

Mecklenburg County Public Schools Internet Safety Cross-Curriculum Objectives Kindergarten (ISK)

Objective ISK.1 Internet Citizenship

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
ISK.1.1 Define "Internet", "Community", and "Internet Community"	C/T K-2.1 The student will demonstrate knowledge of the nature and operation of technology systems.	K.8 The student will demonstrate being a good citizen.	English K.3 The student will build oral communication skills. Listen and speak in informal conversations with peers and adults. Participate in discussions about books and specific topics. Math K While learning mathematics, students will be actively engaged, using concrete materials and appropriate technologies such as calculators and computers. Lab
ISK.1.2 Know the advisability of having adult assistance when using the Internet	C/T K-2.7 The student will use a variety of media and formats to communicate information and ideas effectively to multiple audiences.		Health K.3 The student will explain the concept of being safe. Key concepts/skills include the need for rules and practices Health K.5 The student will explain the importance of seeking guidance from parents/guardians and other trusted adults. Key concepts/skills include peaceful resolution of conflicts; the importance of sharing information Math K Mathematics has its own language, and the acquisition of specialized vocabulary and language patterns is crucial to a student's understanding and appreciation of the subject. Students should be encouraged to use correctly the concepts, skills, symbols, and vocabulary identified in the following set of standards. Math K The focus of statistics instruction at this level is to help students develop methods of collecting, organizing, describing, displaying, and interpreting data to answer questions they have posed about themselves and their world. Lab

Objective ISK.2 Internet Security

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
<p>ISK.2.1 Define (age appropriate) virus (people and computers)</p>			<p>Health K.2 The student will explain the concept of being healthy. Key concepts/ skills include the impact of positive and negative emotions; personal hygiene practices; germs (e.g., bacteria, viruses) that lead to common diseases (e.g., cold, flu).</p> <p>Science K.6 The student will investigate and understand basic needs and life processes of plants and animals. Key concepts include living things change as they grow, and they need food, water, and air to survive; plants and animals live and die (go through a life cycle); and offspring of plants and animals are similar but not identical to their parents and to one another.</p> <p>Lab</p>
<p>ISK.2.2 Compare “sick” people and “sick” computers</p>			<p>Health K.2 The student will explain the concept of being healthy. Key concepts/ skills include the impact of positive and negative emotions; personal hygiene practices; germs (e.g., bacteria, viruses) that lead to common diseases (e.g., cold, flu).</p> <p>English K.3 The student will build oral communication skills. Listen and speak in informal conversations with peers and adults. Participate in discussions about books and specific topics.</p> <p>Science K.6 The student will investigate and understand basic needs and life processes of plants and animals. Key concepts include living things change as they grow, and they need food, water, and air to survive; plants and animals live and die (go through a life cycle); and offspring of plants and animals are similar but not identical to their parents and to one another.</p> <p>Lab</p>

Objective ISK.3 Personal Safety

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
<p>ISK.3.1 Understand concept of E-mail</p>	<p>C/T K-2.7 The student will use a variety of media and formats to communicate information and ideas effectively to multiple audiences.</p>	<p>K.2 The student will describe everyday life in the present and in the past and recognize that things change over time. (mail to E-mail)</p>	<p>English K.3 The student will build oral communication skills. Listen and speak in informal conversations with peers and adults. Participate in discussions about books and specific topics.</p> <p>English K.12 The student will explore the uses of available technology for reading and writing.</p> <p>Lab</p>

ISK.3.2	Know the school's rules for using computers	C/T K-2.3 The student will practice responsible use of technology systems, information, and software.	K.8 The student will demonstrate being a good citizen.	Health K.3 The student will explain the concept of being safe. Key concepts/skills include the need for rules and practices Lab
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Objective ISK.4 Intellectual Property

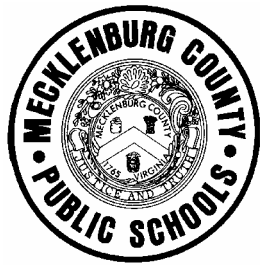
Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
ISK.4.1	Recognize that objects, including computer equipment, have owners	C/T K-2.3 The student will practice responsible use of technology systems, information, and software.	Lab

Objective ISK.5 Cyber Bullying

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
ISK.5.1	Identify the people in the community who help keeps others safe	C/T K-2.3 The student will practice responsible use of technology systems, information, and software.	K.6 The student will match simple descriptions of work that people do. English K.3 The student will build oral communication skills. Listen and speak in informal conversations with peers and adults. Participate in discussions about books and specific topics. Health K.4 The student will identify sources of health and safety information. Key concepts/skills include individuals, including school nurses, family members, health care personnel, teachers, and public safety officials.

Objective ISK.6 Predator Identification

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
ISK.6.1	Explain the concept of "stranger" and apply that concept to Internet use	C/T K-2.3 The student will practice responsible use of technology systems, information, and software.	K.8 The student will demonstrate being a good citizen. Health K.3 The student will explain the concept of being safe. Key concepts/skills include the differences between emergency and nonemergency situations Science K.8 The student will investigate and understand simple patterns in his/her daily life. Key concepts include home and school routines. English K.3 The student will build oral communication skills. Listen and speak in informal conversations with peers and adults. Participate in discussions about books and specific topics. Lab



Mecklenburg County Public Schools

Internet Safety Cross-Curriculum Objectives

1st Grade (IS1)

Objective IS1.1 Internet Citizenship

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
IS1.1.1 Define "Internet citizen"	C/T K-2.4 The student will use technology responsibly.	1.10 The student will apply traits of a good citizen.	English 1.2 The student will continue to expand and use listening and speaking vocabularies. Increase oral descriptive vocabulary. Begin to ask for clarification and explanation of words and ideas. Follow simple two-step oral directions. Give simple two-step oral directions. Use singular and plural nouns. Lab
IS1.1.2 Define "Website" to describe places in the Internet community	C/T K-2.7 The student will use a variety of media and formats to communicate information and ideas effectively to multiple audiences.	1.4 The student will develop map skills. (Compare websites to places on a map)	English 1.2 The student will continue to expand and use listening and speaking vocabularies. Increase oral descriptive vocabulary. Begin to ask for clarification and explanation of words and ideas. Follow simple two-step oral directions. Give simple two-step oral directions. Use singular and plural nouns. English 1.3 The student will adapt or change oral language to fit the situation. Initiate conversation with peers and adults. Follow rules for conversation. Use appropriate voice level in small-group settings. Ask and respond to questions in small-group settings. Health 1.4 The student will demonstrate healthy mental and emotional development. Key concepts/skills include cooperation with others and the differences between positive and negative emotions. Lab
IS1.1.3 List ways students can be good Internet citizens	C/T K-2.4 The student will use technology responsibly.	1.10 The student will apply traits of a good citizen.	English 1.12 The student will write to communicate ideas. Generate ideas. Focus on one topic. Use descriptive words when writing about people, places, things, and events. Use complete sentences in final copies. Begin each sentence with a capital letter and use ending punctuation in final copies. Use correct spelling for high-frequency sight words and phonetically regular words in final copies. Share writing with others. Use available technology. Health 1.6 The student will demonstrate responsible personal and social behaviors in the school community. Key concepts/skills

			include cooperative behavior; respect for others; adherence to school rules; acceptance of responsibility; respect for the property of others. Lab
IS1.1.4 Explain the importance of getting an adult help on the Internet	C/T K-2.1 The student will demonstrate knowledge of the nature and operation of technology systems.		Health 1.2 The student will explain that good health is related to health-promoting decisions. Key concepts/skills include personal hygiene; including care of one's teeth; personal safety behaviors; the harmful effects of misusing medicines and drugs; sleep habits; physical activity and healthy entertainment; proper nutrition. English 1.3 The student will adapt or change oral language to fit the situation. Initiate conversation with peers and adults. Follow rules for conversation. Use appropriate voice level in small-group settings. Ask and respond to questions in small-group settings. Science 1.8 The student will investigate and understand that natural resources are limited. Key concepts include identification of natural resources (plants and animals, water, air, land, minerals, forests, and soil); factors that affect air and water quality; and recycling, reusing, and reducing consumption of natural resources. Lab
IS1.1.5 Compare Internet citizens to real life citizens.	C/T K-2.4 The student will use technology responsibly.	1.10 The student will apply traits of a good citizen.	English 1.3 The student will adapt or change oral language to fit the situation. Initiate conversation with peers and adults. Follow rules for conversation. Use appropriate voice level in small-group settings. Ask and respond to questions in small-group settings. English 1.12 The student will write to communicate ideas. Generate ideas. Focus on one topic. Use descriptive words when writing about people, places, things, and events. Use complete sentences in final copies. Begin each sentence with a capital letter and use ending punctuation in final copies. Use correct spelling for high-frequency sight words and phonetically regular words in final copies. Share writing with others. Use available technology.

Objective IS1.2 Internet Security

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
<p>IS1.2.1 Navigate to a Website</p>	<p>C/T K-2.7 The student will use a variety of media and formats to communicate information and ideas effectively to multiple audiences.</p>	<p>1.4 Proper ways to get somewhere on internet</p>	<p>Health 1.3 The student will explain the need for specific rules and practices to promote personal safety and injury-free situations. Key concepts/skills include bus and automobile safety; pedestrian safety; playground safety; fire safety; home safety; water safety; bicycle, in-line skating, skateboard, scooter, and other self-propelled vehicle safety; the need for protective gear.</p> <p>Science 1.8 The student will investigate and understand that natural resources are limited. Key concepts include identification of natural resources (plants and animals, water, air, land, minerals, forests, and soil); factors that affect air and water quality; and recycling, reusing, and reducing consumption of natural resources.</p> <p>Math 1 While learning mathematics, students will be actively engaged, using concrete materials and appropriate technologies such as calculators and computers.</p>

Objective IS1.3 Personal Safety

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
<p>IS1.3.1 List 5 FBI Internet Safety tips:</p> <ul style="list-style-type: none"> o Never give out personal information o Never write someone who has made you feel uncomfortable o Never meet or visit with someone without your parent's permission o Tell an adult if you read anything on the Internet that makes you feel uncomfortable o People online may not be who they say they are 	<p>C/T K-2.3 The student will practice responsible use of technology systems, information, and software.</p>	<p>1.10 The student will apply traits of a good citizen.</p>	<p>Health 1.2 The student will explain that good health is related to health-promoting decisions. Key concepts/skills include personal hygiene; including care of one's teeth; personal safety behaviors; the harmful effects of misusing medicines and drugs; sleep habits; physical activity and healthy entertainment; proper nutrition.</p> <p>English 1.5 The student will apply knowledge of how print is organized and read. a) Read from left to right and from top to bottom. (if teacher writes it on a chart for students to read)</p> <p>Health 1.3 The student will explain the need for specific rules and practices to promote personal safety and injury-free situations. Key concepts/ skills include bus and automobile safety; pedestrian safety; playground safety; fire safety; home safety; water safety; bicycle, in-line skating, skateboard, scooter, and other self-propelled vehicle safety; the need for protective gear.</p> <p>Lab</p>

Objective IS1.4 Intellectual Property

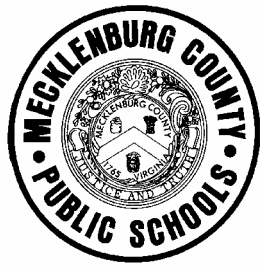
Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
IS1.4.1 Define property and Intellect and relate it to Internet use	C/T K-2.4 The student will use technology responsibly.	1.10 The student will apply traits of a good citizen.	Science 1.1 The student will conduct investigations in which a) differences in physical properties are observed using the senses; b) simple tools are used to enhance observations; c) objects or events are classified and arranged according to attributes or properties; d) observations and data are communicated orally and with simple graphs, pictures, written statements, and numbers

Objective IS1.5 Cyber Bullying

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
IS1.5.1 Define “uncomfortable” and relate it to Internet/E-mail use	C/T K-2.3 The student will practice responsible use of technology systems, information, and software.	1.10 The student will apply traits of a good citizen.	Health 1.4 The student will demonstrate healthy mental and emotional development. Key concepts/ skills include cooperation with others; adaptation to change; expression of ideas and thoughts to create positive relationships; the differences between positive and negative emotions. English 1.2 The student will continue to expand and use listening and speaking vocabularies. Increase oral descriptive vocabulary. Begin to ask for clarification and explanation of words and ideas. Follow simple two-step oral directions. Give simple two-step oral directions. Use singular and plural nouns. Lab Guidance

Objective IS1.6 Predator Identification

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
<p>IS1.6.1 Identify the parents as the primary educators who make rules to keep children safe in both the physical and the Internet community</p>	<p>C/T K-2.4 The student will use technology responsibly.</p>		<p>Health 1.2 The student will explain that good health is related to health-promoting decisions. Key concepts/ skills include personal hygiene; including care of one’s teeth; personal safety behaviors; the harmful effects of misusing medicines and drugs; sleep habits; physical activity and healthy entertainment; proper nutrition.</p> <p>English 1.3 The student will adapt or change oral language to fit the situation. Initiate conversation with peers and adults. Follow rules for conversation. Use appropriate voice level in small-group settings. Ask and respond to questions in small-group settings.</p> <p>Science 1.8 The student will investigate and understand that natural resources are limited. Key concepts include identification of natural resources (plants and animals, water, air, land, minerals, forests, and soil); factors that affect air and water quality; and recycling, reusing, and reducing consumption of natural resources.</p> <p>Lab</p>



Mecklenburg County Public Schools

Internet Safety Cross-Curriculum Objectives

2nd Grade (IS2)

Objective IS2.1 Internet Citizenship

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
<p>IS2.1.1 Compare physical community rules/laws to Internet rules</p>	<p>C/T K-2.3 The student will practice responsible use of technology systems, information, and software.</p>	<p>2.10 The student will explain the responsibilities of a good citizen.</p> <p>2.3 The student will identify and compare changes in community life over time in terms of buildings, jobs, transportation, and population.</p>	<p>Health</p> <p>2.4 The student will recognize the influence that health resources and professionals have on personal health. Key concepts/skills include health care professionals, resources, and services; emergency services; print, audiovisual, and electronic media.</p> <p>English</p> <p>2.1 The student will demonstrate an understanding of oral language structure. Create oral stories to share with others. Create and participate in oral dramatic activities. Use correct verb tenses in oral communication. Use increasingly complex sentence structures in oral communication.</p> <p>English</p> <p>2.2 The student will continue to expand listening and speaking vocabularies. Use words that reflect a growing range of interests and knowledge. Clarify and explain words and ideas orally. Follow oral directions with three or four steps. Give three-step and four-step directions. Identify and use synonyms and antonyms in oral communication.</p> <p>English</p> <p>2.3 The student will use oral communication skills. Use oral language for different purposes: to inform, to persuade, and to entertain. Share stories or information orally with an audience. Participate as a contributor and leader in a group. Summarize information shared orally by others.</p> <p>English</p> <p>2.11 The student will write stories, letters, and simple explanations. Generate ideas before writing. Organize writing to include a beginning, middle, and end. Revise writing for clarity. Use available technology.</p> <p>English</p> <p>2.12 The student will edit writing for correct grammar, capitalization, punctuation, and spelling. Recognize and use complete sentences. Use and punctuate declarative, interrogative, and exclamatory sentences. Capitalize all proper nouns and the word I. Use singular and plural nouns and pronouns. Use apostrophes in contractions, including don't, isn't, and can't. Use correct spelling for high-</p>

			<p>frequency sight words, including compound words and regular plurals.</p> <p>Science 2.8 The student will investigate and understand that plants produce oxygen and food, are a source of useful products, and provide benefits in nature. Key concepts include important plant products (fiber, cotton, oil, spices, lumber, rubber, medicines, and paper); the availability of plant products affects the development of a geographic area; and plants provide homes and food for many animals and prevent soil from washing away.</p> <p>Lab</p>
IS2.1.2	Build on the concept of an Internet community through interactive, hands-on practice	C/T K-2.2 The student will demonstrate proficiency in the use of technology.	<p>2.12 The student will understand that...people have diverse ethnic origins, customs, and traditions...</p> <p>2.3 The student will identify and compare changes in community life over time in terms of buildings, jobs, transportation, and population.</p> <p>Health 2.5 The student will demonstrate ways to communicate consideration and respect for the health of individuals in the community. Key concepts/skills include the impact of verbal and nonverbal aggressive behaviors; the effects of personal health decisions on other individuals.</p> <p>English 2.1 The student will demonstrate an understanding of oral language structure. Create oral stories to share with others. Create and participate in oral dramatic activities. Use correct verb tenses in oral communication. Use increasingly complex sentence structures in oral communication.</p> <p>English 2.2 The student will continue to expand listening and speaking vocabularies. Use words that reflect a growing range of interests and knowledge. Clarify and explain words and ideas orally. Follow oral directions with three or four steps. Give three-step and four-step directions. Identify and use synonyms and antonyms in oral communication.</p> <p>English 2.3 The student will use oral communication skills. Use oral language for different purposes: to inform, to persuade, and to entertain. Share stories or information orally with an audience. Participate as a contributor and leader in a group. Summarize information shared orally by others.</p> <p>English 2.11 The student will write stories, letters, and simple explanations. Generate ideas before writing. Organize writing to include a beginning, middle, and end. Revise writing for clarity. Use available technology.</p> <p>English 2.12 The student will edit writing for correct grammar, capitalization, punctuation, and spelling. Recognize and use complete sentences. Use and punctuate declarative, interrogative, and exclamatory sentences. Capitalize all proper nouns and the word I. Use singular and plural nouns and pronouns. Use apostrophes in contractions, including don't, isn't, and can't. Use correct spelling for high-frequency sight words, including compound words and</p>

			regular plurals. Math 2 While learning mathematics, students will be actively engaged, using concrete materials and appropriate technologies such as calculators and computers.
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Objective IS2.2 Internet Security

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
IS2.2.1 Know that there are laws and consequences governing people who invent viruses	C/T K-2.3 The student will practice responsible use of technology systems, information, and software.	2.10 The student will explain the responsibilities of a good citizen.	Health 2.3 The student will describe the influences and factors that impact health and well-being. Key concepts/skills include heredity; the environment; germs and diseases; different customs and traditions; self-image related to personal success; disappointment, loss, grief, and separation. Science 2.4 The student will investigate and understand that plants and animals undergo a series of orderly changes in their life cycles. Key concepts include some animals (frogs and butterflies) undergo distinct stages during their lives, while others generally resemble their parents; and flowering plants undergo many changes, from the formation of the flower to the development of the fruit.
IS2.2.2 Discuss ways to prevent viruses or to protect computers against viruses			Health 2.3 The student will describe the influences and factors that impact health and well-being. Key concepts/skills include heredity; the environment; germs and diseases; different customs and traditions; self-image related to personal success; disappointment, loss, grief, and separation. English 2.1 The student will demonstrate an understanding of oral language structure. Create oral stories to share with others. Create and participate in oral dramatic activities. Use correct verb tenses in oral communication. Use increasingly complex sentence structures in oral communication. English 2.3 The student will use oral communication skills. Use oral language for different purposes: to inform, to persuade, and to entertain. Share stories or information orally with an audience. Participate as a contributor and leader in a group. Summarize information shared orally by others. English 2.11 The student will write stories, letters, and simple explanations. Generate ideas before writing. Organize writing to include a beginning, middle, and end. Revise writing for clarity. Use available technology. English 2.3 The student will use oral communication skills. Participate as

			<p>a contributor and leader in a group. Summarize information shared orally by others.</p> <p>Science 2.5 The student will investigate and understand that living things are part of a system. Key concepts include living organisms are interdependent with their living and nonliving surroundings; and habitats change over time due to many influences.</p> <p>Lab</p>
IS2.2.3 Define "infected" as it relates to computers			<p>Health 2.3 The student will describe the influences and factors that impact health and well-being. Key concepts/skills include heredity; the environment; germs and diseases; different customs and traditions; self-image related to personal success; disappointment, loss, grief, and separation.</p> <p>Science 2.5 The student will investigate and understand that living things are part of a system. Key concepts include living organisms are interdependent with their living and nonliving surroundings; and habitats change over time due to many influences.</p> <p>English 2.3 The student will use oral communication skills. Participate as a contributor and leader in a group. Summarize information shared orally by others.</p> <p>English 2.2 The student will continue to expand listening and speaking vocabularies. Use words that reflect a growing range of interests and knowledge</p> <p>Lab</p>
IS2.2.4 Classify a computer virus as a type of computer program			<p>Health 2.3 The student will describe the influences and factors that impact health and well-being. Key concepts/skills include heredity; the environment; germs and diseases; different customs and traditions; self-image related to personal success; disappointment, loss, grief, and separation.</p> <p>Lab</p>

Objective IS2.3 Personal Safety

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
<p>IS2.3.1 Discuss the importance of following the FBI rules for Internet use</p> <ul style="list-style-type: none"> o Never give out personal information o Never write someone who has made you feel 	<p>C/T K-2.3 The student will practice responsible use of technology systems, information, and software.</p>	<p>2.10 The student will explain the responsibilities of a good citizen.</p> <p>2.12 The student will understand that the United States is a land of people who have diverse ethnic origins, customs, and traditions,</p>	<p>Health 2.2 The student will explain that personal health decisions and health habits influence health and well-being throughout life. Key concepts/skills include how food choices relate to a healthy lifestyle; the addictive nature of drugs, alcohol, and tobacco; the need for regular health check-ups and screenings; the</p>

<ul style="list-style-type: none"> o uncomfortable o Never meet or visit with someone without your parent's permission o Tell an adult if you read anything on the Internet that makes you feel uncomfortable o People online may not be who they say they are 		<p>who make contributions to their communities, and who are united as Americans by common principles</p>	<p>importance of learning and using refusal skills; the use of nonviolent strategies to resolve conflicts</p> <p>English 2.3 The student will use oral communication skills. Participate as a contributor and leader in a group. Summarize information shared orally by others.</p> <p>English 2.2 The student will continue to expand listening and speaking vocabularies. Use words that reflect a growing range of interests and knowledge. Clarify and explain words and ideas orally.</p> <p>Lab</p>
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Objective IS2.4 Intellectual Property

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
<p>IS2.4.1 List ways to show respect for the property of other people and the school</p>	<p>C/T K-2.3 The student will practice responsible use of technology systems, information, and software.</p>	<p>2.10 The student will explain the responsibilities of a good citizen.</p>	<p>Health 2.4 The student will recognize the influence that health resources and professionals have on personal health. Key concepts/skills include health care professionals, resources, and services; emergency services; print, audiovisual, and electronic media.</p> <p>English 2.3 The student will use oral communication skills. Participate as a contributor and leader in a group. Summarize information shared orally by others.</p> <p>English 2.1 The student will demonstrate an understanding of oral language structure. Create oral stories to share with others. Create and participate in oral dramatic activities. Use correct verb tenses in oral communication. Use increasingly complex sentence structures in oral communication.</p> <p>English 2.2 The student will continue to expand listening and speaking vocabularies. Use words that reflect a growing range of interests and knowledge. Clarify and explain words and ideas orally. Follow oral directions with three or four steps. Give three-step and four-step directions. Identify and use synonyms and antonyms in oral communication.</p> <p>English 2.3 The student will use oral communication skills. Use oral language for different purposes: to inform, to persuade, and to entertain. Share stories or information orally with an audience. Participate as a contributor and leader in a group. Summarize information shared orally by others.</p>

		<p>English 2.11 The student will write stories, letters, and simple explanations. Generate ideas before writing. Organize writing to include a beginning, middle, and end. Revise writing for clarity. Use available technology.</p> <p>English 2.12 The student will edit writing for correct grammar, capitalization, punctuation, and spelling. Recognize and use complete sentences. Use and punctuate declarative, interrogative, and exclamatory sentences. Capitalize all proper nouns and the word I. Use singular and plural nouns and pronouns. Use apostrophes in contractions, including don't, isn't, and can't. Use correct spelling for high-frequency sight words, including compound words and regular plurals.</p> <p>English 2.2 The student will continue to expand listening and speaking vocabularies. Use words that reflect a growing range of interests and knowledge</p> <p>Lab</p>
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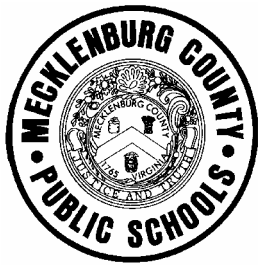
Objective IS2.5 Cyber Bullying

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
IS2.5.1 Identify various characteristics that make people different	C/T K-2.4 The student will use technology responsibly.	<p>2.10 The student will explain the responsibilities of a good citizen.</p> <p>2.12 The student will understand that the United States is a land of people who have diverse ethnic origins, customs, and traditions, who make contributions to their communities, and who are united as Americans by common principles</p>	<p>English 2.3 The student will use oral communication skills. Participate as a contributor and leader in a group. Summarize information shared orally by others.</p> <p>English 2.2 The student will continue to expand listening and speaking vocabularies. Use words that reflect a growing range of interests and knowledge. Clarify and explain words and ideas orally. Follow oral directions with three or four steps. Give three-step and four-step directions. Identify and use synonyms and antonyms in oral communication.</p> <p>English 2.3 The student will use oral communication skills. Use oral language for different purposes: to inform, to persuade, and to entertain. Share stories or information orally with an audience. Participate as a contributor and leader in a group. Summarize information shared orally by others.</p>
IS2.5.2 Discuss ways to get along with people that are different than themselves	C/T K-2.4 The student will use technology responsibly.	<p>2.10 The student will explain the responsibilities of a good citizen.</p> <p>2.12 The student will understand that the United States is a land of people who have diverse ethnic origins, customs, and traditions,</p>	<p>English 2.3 The student will use oral communication skills. Participate as a contributor and leader in a group. Summarize information shared orally by others.</p> <p>English 2.2 The student will continue to expand listening and speaking</p>

		who make contributions to their communities, and who are united as Americans by common principles	vocabularies. Use words that reflect a growing range of interests and knowledge. Clarify and explain words and ideas orally. Follow oral directions with three or four steps. Give three-step and four-step directions. Identify and use synonyms and antonyms in oral communication. English 2.3 The student will use oral communication skills. Use oral language for different purposes: to inform, to persuade, and to entertain. Share stories or information orally with an audience. Participate as a contributor and leader in a group. Summarize information shared orally by others.
IS2.5.3 Discuss the importance of self-discipline and self-reliance when dealing with people that are different than themselves	C/T K-2.4 The student will use technology responsibly.	2.10 The student will explain the responsibilities of a good citizen. 2.12 The student will understand that the United States is a land of people who have diverse ethnic origins, customs, and traditions, who make contributions to their communities, and who are united as Americans by common principles	English 2.3 The student will use oral communication skills. Participate as a contributor and leader in a group. Summarize information shared orally by others. English 2.2 The student will continue to expand listening and speaking vocabularies. Use words that reflect a growing range of interests and knowledge. Clarify and explain words and ideas orally. Follow oral directions with three or four steps. Give three-step and four-step directions. Identify and use synonyms and antonyms in oral communication. English 2.3 The student will use oral communication skills. Use oral language for different purposes: to inform, to persuade, and to entertain. Share stories or information orally with an audience. Participate as a contributor and leader in a group. Summarize information shared orally by others.

Objective IS2.6 Predator Identification

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
IS2.6.1 Define predator as it relates to internet use	C/T K-2.3 The student will practice responsible use of technology systems, information, and software. C/T K-2.4 The student will use technology responsibly.		
IS2.6.2 Define honesty and trustworthiness as it relates to internet use	C/T K-2.3 The student will practice responsible use of technology systems, information, and software. C/T K-2.4 The student will use technology responsibly.	2.10 The student will explain the responsibilities of a good citizen, with emphasis on a) respecting and protecting the rights and property of others; b) practicing honesty and trustworthiness.	



Mecklenburg County Public Schools

Internet Safety Cross-Curriculum Objectives

3rd Grade (IS3)

Objective IS3.1 Internet Citizenship

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
IS3.1.1 Identify URL as an Internet address	C/T 3-5.1 The student will demonstrate knowledge of the nature and operation of technology systems.		<p>Health</p> <p>3.1 The student will explain that health habits impact personal growth and development. Key concepts/skills include food choices based on nutritional content; the benefits of physical activity and personal fitness; safe and harmful behaviors; positive interaction with family, peers, and other individuals.</p> <p>English</p> <p>3.10 The student will write stories, letters, simple explanations, and short reports across all content areas. Use a variety of planning strategies. Organize information according to the type of writing. Identify the intended audience. Revise writing for specific vocabulary and information. Use available technology.</p> <p>Health</p> <p>3.4 The student will demonstrate the ability to use health information to improve personal health. Key concepts/skills include the use of health services and agencies to gain information; the ways in which health care has improved as a result of technology; the use of a variety of print, audiovisual, and electronic media resources.</p> <p>Lab</p>
IS3.1.2 Define E-mail	C/T 3-5.1 The student will demonstrate knowledge of the nature and operation of technology systems.		<p>Lab</p>

Objective IS3.2 Internet Security

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
IS3.2.1 Identify ways of recognizing inappropriate Websites vs. appropriate ones	C/T 3-5.4 The student will practice responsible use of technology systems, information, and software		<p>Health</p> <p>3.2 The student will use decision-making skills to promote health and personal well-being. Key concepts/skills include goal setting for personal health; the process of resolving conflicts peacefully; strategies for solving problems related to health.</p> <p>Health</p> <p>3.4 The student will demonstrate the ability to use health information to improve personal health. Key concepts/skills include the use of health services and agencies to gain information; the ways in which health care has improved as</p>

			<p>a result of technology; the use of a variety of print, audiovisual, and electronic media resources.</p> <p>Math 3 While learning mathematics, students will be actively engaged, using concrete materials and appropriate technologies such as calculators and computers.</p>
IS3.2.2 Describe what to do when an inappropriate Website appears (i.e., Click the 'X' (close box) in the corner	C/T 3-5.4 The student will practice responsible use of technology systems, information, and software		<p>Health 3.4 The student will demonstrate the ability to use health information to improve personal health. Key concepts/skills include the use of health services and agencies to gain information; the ways in which health care has improved as a result of technology; the use of a variety of print, audiovisual, and electronic media resources.</p> <p>Lab</p>

Objective IS3.3 Personal Safety

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
<p>IS3.3.1 Discuss the importance of following the FBI rules for Internet use</p> <ul style="list-style-type: none"> o Never give out personal information o Never write someone who has made you feel uncomfortable o Never meet or visit with someone without your parent's permission o Tell an adult if you read anything on the Internet that makes you feel uncomfortable o People online may not be who they say they are 	C/T 3-5.4 The student will practice responsible use of technology systems, information, and software	3.10 The student will recognize why government is necessary in the classroom, school, and community by <ul style="list-style-type: none"> a) explaining the purpose of rules and laws; b) explaining that the basic purposes of government are to make laws, carry out laws, and decide if laws have been broken; c) explaining that government protects the rights and property of individuals. 	<p>Health 3.1 The student will explain that health habits impact personal growth and development. Key concepts/skills include food choices based on nutritional content; the benefits of physical activity and personal fitness; safe and harmful behaviors; positive interaction with family, peers, and other individuals.</p> <p>Health 3.3 The student will identify the effects of drug and inhalant experimentation and alcohol and tobacco use on personal health. Key concepts/skills include improper use of medicines; the use of refusal skills to counter negative influences; the effects of nicotine, alcohol, and other drugs on body systems; the use of common household items as inhalants; the effects of mind-altering drugs on behavior.</p> <p>Lab</p>
IS3.3.2 Know the importance of talking to a "trusted adult" about things on the Internet or in E-mail that make students uncomfortable	C/T 3-5.4 The student will practice responsible use of technology systems, information, and software		<p>Health 3.1 The student will explain that health habits impact personal growth and development. Key concepts/skills include food choices based on nutritional content; the benefits of physical activity and personal fitness; safe and harmful behaviors; positive interaction with family, peers, and other individuals.</p> <p>Lab Guidance</p>

Objective IS3.4 Intellectual Property

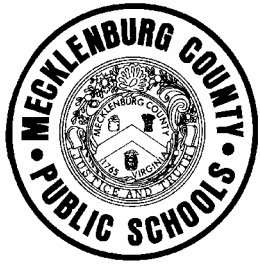
Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
<p>IS3.4.1 Explain the importance of respecting others' rights and property</p>	<p>C/T 3-5.3 The student will demonstrate knowledge of ethical, cultural, and societal issues related to technology.</p> <p>C/T 3-5.4 The student will practice responsible use of technology systems, information, and software</p>	<p>3.10 The student will recognize why government is necessary in the classroom, school, and community by</p> <ul style="list-style-type: none"> d) explaining the purpose of rules and laws; e) explaining that government protects the rights and property of individuals. <p>3.11 The student will explain the importance of the basic principles that form the foundation of a republican form of government by</p> <ul style="list-style-type: none"> a) describing the individual rights to life, liberty, and the pursuit of happiness; and equality under the law; <p>3.12 The student will recognize that Americans are a people of diverse ethnic origins, customs, and traditions, who are united by the basic principles of a republican form of government and respect for individual rights and freedoms.</p>	
<p>IS3.4.2 Know the consequence of violating someone's rights or property</p>	<p>C/T 3-5.3 The student will demonstrate knowledge of ethical, cultural, and societal issues related to technology.</p> <p>C/T 3-5.4 The student will practice responsible use of technology systems, information, and software</p>	<p>3.10 The student will recognize why government is necessary in the classroom, school, and community by</p> <ul style="list-style-type: none"> f) explaining the purpose of rules and laws; g) explaining that government protects the rights and property of individuals. <p>3.11 The student will explain the importance of the basic principles that form the foundation of a republican form of government by</p> <ul style="list-style-type: none"> b) describing the individual rights to life, liberty, and the pursuit of happiness; and equality under the law; <p>3.12 The student will recognize that Americans are a people of diverse ethnic origins, customs, and traditions, who are united by the basic principles of a republican form of government and respect for individual rights and freedoms.</p>	

Objective IS3.5 Cyber Bullying

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
IS3.5.1 Discuss the importance of having parents present when using the Internet or E-mail	C/T 3-5.4 The student will practice responsible use of technology systems, information, and software		Health 3.1 The student will explain that health habits impact personal growth and development. Key concepts/skills include food choices based on nutritional content; the benefits of physical activity and personal fitness; safe and harmful behaviors; positive interaction with family, peers, and other individuals. Lab

Objective IS3.6 Predator Identification

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
IS3.6.1 Define "trusted adult"	C/T 3-5.4 The student will practice responsible use of technology systems, information, and software		Health 3.1 The student will explain that health habits impact personal growth and development. Key concepts/skills include food choices based on nutritional content; the benefits of physical activity and personal fitness; safe and harmful behaviors; positive interaction with family, peers, and other individuals. Lab Guidance



Mecklenburg County Public Schools

Internet Safety Cross-Curriculum Objectives

4th Grade (IS4)

Objective IS4.1 Internet Citizenship

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
IS4.1.1 Define netiquette	C/T 3-5.1 The student will demonstrate knowledge of the nature and operation of technology systems.		<p>English</p> <p>4.1 The student will use effective oral communication skills in a variety of settings. Use grammatically correct language and specific vocabulary to communicate ideas.</p> <p>Math 4</p> <p>Students should enhance their ability to select an appropriate problem-solving method from among estimation, mental math, paper-and-pencil algorithms, and the use of calculators and computers. With activities that challenge students to use this knowledge and these skills to solve problems in many contexts, students develop the foundation to ensure success and achievement in higher mathematics.</p> <p>Lab</p>
IS4.1.2 List rules of netiquette	C/T 3-5.3 The student will demonstrate knowledge of ethical, cultural, and societal issues related to technology.		<p>Lab</p>

Objective IS4.2 Internet Security

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
IS4.2.1 E-mail protocol and etiquette	C/T 3-5.1 The student will demonstrate knowledge of the nature and operation of technology systems.		<p>Health</p> <p>4.5 The student will access and use health resources to improve personal and family health. Key concepts/ skills include the use of health care agencies, printed materials, broadcast media, Internet, and audiovisual materials; identification of accurate and inaccurate health information.</p> <p>English</p> <p>4.1 The student will use effective oral communication skills in a variety of settings. Use grammatically correct language and specific vocabulary to communicate ideas.</p> <p>Lab</p>

Objective IS4.3 Personal Safety

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
IS4.3.1 List at least four forms of Internet communication 1. Email 2. Blogging 3. Instant messaging 4. Chat Rooms	C/T 3-5.1 The student will demonstrate knowledge of the nature and operation of technology systems.		Health 4.7 The student will understand the importance of communicating with family about personal and community health issues. Key concepts/skills include identification of obstacles and solutions to communication; assistance from a trusted adult when in unsafe or uncomfortable situations. English 4.1 The student will use effective oral communication skills in a variety of settings. Contribute to group discussions. Seek ideas and opinions of others. Lab
IS4.3.2 Define blogging	C/T 3-5.1 The student will demonstrate knowledge of the nature and operation of technology systems.		English 4.1 The student will use effective oral communication skills in a variety of settings. Use grammatically correct language and specific vocabulary to communicate ideas. Lab
IS4.3.3 Discuss responsible uses of Email	C/T 3-5.3 The student will demonstrate knowledge of ethical, cultural, and societal issues related to technology.		Lab

Objective IS4.4 Intellectual Property

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
IS4.4.1 Explain the importance of respecting others rights and property	C/T 3-5.3 The student will demonstrate knowledge of ethical, cultural, and societal issues related to technology.	VS.1 The student will develop skills for historical and geographical analysis including the ability to a) determine cause and effect relationships; b) draw conclusions and make generalizations; c) evaluate and discuss issues orally and in writing;	
IS4.4.2 Discuss the consequences of violating someone's rights and property	C/T 3-5.3 The student will demonstrate knowledge of ethical, cultural, and societal issues related to technology.	VS.1 The student will develop skills for historical and geographical analysis including the ability to d) determine cause and effect relationships; e) draw conclusions and make generalizations; evaluate and discuss issues orally and in writing;	
IS4.4.3 List at least three examples of intellectual property	C/T 3-5.3 The student will demonstrate knowledge of ethical, cultural, and societal issues		Lab

	related to technology.		
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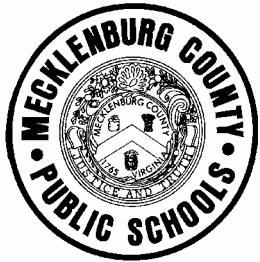
Objective IS4.5 Cyber Bullying

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
IS4.5.1 Define Cyber Bullying	C/T 3-5.1 The student will demonstrate knowledge of the nature and operation of technology systems.		Health 4.2 The student will develop the skills necessary for coping with difficult relationships. Key concepts/skills include development of refusal skills; identification of bullying and aggressive behaviors; development of coping skills; recognition of harmful or abusive relationships; practicing self-control. English 4.1 The student will use effective oral communication skills in a variety of settings. Use grammatically correct language and specific vocabulary to communicate ideas. Lab Guidance
IS4.5.2 Compare Cyber Bullying to real life bullying	C/T 3-5.1 The student will demonstrate knowledge of the nature and operation of technology systems.		Health 4.2 The student will develop the skills necessary for coping with difficult relationships. Key concepts/skills include development of refusal skills; identification of bullying and aggressive behaviors; development of coping skills; recognition of harmful or abusive relationships; practicing self-control. Lab Guidance
IS4.5.3 List tips for prevention of Cyber Bullying	C/T 3-5.1 The student will demonstrate knowledge of the nature and operation of technology systems.		Health 4.2 The student will develop the skills necessary for coping with difficult relationships. Key concepts/skills include development of refusal skills; identification of bullying and aggressive behaviors; development of coping skills; recognition of harmful or abusive relationships; practicing self-control. Lab Guidance

Objective IS4.6 Predator Identification

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
IS4.6.1 Define Stranger as it relates to Internet Communication	C/T 3-5.1 The student will demonstrate knowledge of the nature and operation of technology systems.		English 4.1 The student will use effective oral communication skills in a variety of settings. Use grammatically correct language and specific vocabulary to communicate ideas.

			<p>English 4.7 The student will write effective narratives, poems, and explanations. Focus on one aspect of a topic. Develop a plan for writing. Organize writing to convey a central idea. Write several related paragraphs on the same topic. Utilize elements of style, including word choice and sentence variation. Write rhymed, unrhymed, and patterned poetry. Use available technology.</p> <p>English 4.6 The student will demonstrate comprehension of information resources to research a topic.</p> <p>Lab</p>
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Mecklenburg County Public Schools Internet Safety Cross-Curriculum Objectives 5th Grade (IS5)

Objective IS5.1 Internet Citizenship

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
IS5.1.1 Compare Internet to physical community, highlighting the following similarities:		VS.2 The student will demonstrate knowledge of the geography and early inhabitants of Virginia by locating and Piedmont VS.10 The student will demonstrate knowledge of government, geography, and economics by explaining how advances in transportation, communications, and technology have contributed to Virginia's prosperity and role in the global economy.	
IS5.1.1.1 Interaction between people	C/T 3-5.4 The student will practice responsible use of technology systems, information, and software.		Health 5.5 The student will explain how peers, families, and community groups work together to build a healthy community. Key concepts/skills include collaborative support for environmental issues; the existence of customs and traditions; promotion of the value of community health and wellness; examination of community health issues; development of community health projects; promotion of volunteerism and community service.
IS5.1.1.2 Examples of safe/appropriate and unsafe/inappropriate	C/T 3-5.4 The student will practice responsible use of technology systems,		Health 5.4 The student will critically evaluate how print media, broadcast media, and Internet technology influence

places	information, and software.		<p>perceptions of health information, products, and services. Key concepts/skills include strategies for validating health information; tools for the critical evaluation of advertisements and promotions.</p> <p>Math 5 Students should enhance their ability to select an appropriate problem-solving method from among estimation, mental math, paper-and-pencil algorithms, and the use of calculators and computers. With activities that challenge students to use this knowledge and these skills to solve problems in many contexts, students develop the foundation to ensure success and achievement in higher mathematics.</p> <p>Lab</p>
IS5.1.2 Strategies for age-appropriate travel	C/T 3-5.4 The student will practice responsible use of technology systems, information, and software.		<p>Health 5.4 The student will critically evaluate how print media, broadcast media, and Internet technology influence perceptions of health information, products, and services. Key concepts/skills include strategies for validating health information; tools for the critical evaluation of advertisements and promotions.</p> <p>Lab</p>

Objective IS5.2 Internet Security

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
IS5.2.1 Discuss Internet security issues, focusing on the following issues:			
IS5.2.1.1 Define attachment	C/T 3-5.4 The student will practice responsible use of technology systems, information, and software.		<p>Health 5.4 The student will critically evaluate how print media, broadcast media, and Internet technology influence perceptions of health information, products, and services. Key concepts/skills include strategies for validating health information; tools for the critical evaluation of advertisements and promotions.</p> <p>Science 5.5 The student will investigate and understand that organisms are made of cells and have distinguishing characteristics. Key concepts include basic cell structures and functions; kingdoms of living things; vascular and nonvascular plants; and vertebrates and invertebrates.</p> <p>Lab</p>
IS5.2.1.2 Attributes of viruses	C/T 3-5.4 The student will practice responsible use of technology systems, information, and software.		<p>Health 5.2 The student will demonstrate responsibility for developing personal health habits and practicing the behaviors that promote an active, healthy lifestyle. Key concepts/skills include the relationship between health promotion and disease prevention; the connection between dietary guidelines and weight management; strategies for managing stress; the importance of exercise and recreation;</p>

			the effects of personal health habits on cardiovascular fitness; the importance of developing and maintaining a positive self-image. Lab
IS5.2.1.3 Consequences of spam, forwarding, and viruses	C/T 3-5.4 The student will practice responsible use of technology systems, information, and software.		Lab

Objective IS5.3 Personal Safety

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
IS5.3.1 Investigate and identify key concepts associated with responsible and safe Internet choices and behaviors as they pertain to the following:			
IS5.3.1.1 Providing personal information	C/T 3-5.4 The student will practice responsible use of technology systems, information, and software.		Health 5.5 The student will explain how peers, families, and community groups work together to build a healthy community. Key concepts/skills include collaborative support for environmental issues; the existence of customs and traditions; promotion of the value of community health and wellness; examination of community health issues; development of community health projects; promotion of volunteerism and community service. Lab
IS5.3.1.2 Selecting screen names and passwords	C/T 3-5.4 The student will practice responsible use of technology systems, information, and software.		Lab
IS5.3.1.3 Choosing online communication methods	C/T 3-5.4 The student will practice responsible use of technology systems, information, and software.		Math 5 Students should enhance their ability to select an appropriate problem-solving method from among estimation, mental math, paper-and-pencil algorithms, and the use of calculators and computers. With activities that challenge students to use this knowledge and these skills to solve problems in many contexts, students develop the foundation to ensure success and achievement in higher mathematics. Lab

Objective IS5.4 Intellectual Property

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
IS5.4.1 Define "copyright"	C/T 3-5.1 The student will demonstrate knowledge of the nature and operation of technology systems.		Library
IS5.4.2 Define "plagiarism"	C/T 3-5.1 The student will demonstrate knowledge of the nature and operation of technology systems.		Library
IS5.4.3 List techniques to avoid plagiarism	C/T 3-5.4 The student will practice responsible use of technology systems, information, and software.		Library

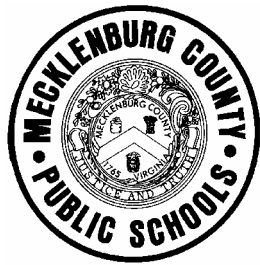
Objective IS5.5 Cyber Bullying

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
IS5.5.1 Identify attributes and types of Cyber bullying			Health 5.1 The student will demonstrate the interpersonal skills necessary to build healthy relationships. Key concepts/skills include the development of positive social skills; the use of refusal and conflict resolution skills; effective verbal and nonverbal communication skills. Guidance
IS5.5.2 List techniques to avoid Cyber bullying			Health 5.1 The student will demonstrate the interpersonal skills necessary to build healthy relationships. Key concepts/skills include the development of positive social skills; the use of refusal and conflict resolution skills; effective verbal and nonverbal communication skills. Guidance

Objective IS5.6 Predator Identification

Internet Safety Objectives	Computer/Technology Objectives	History and Social Sciences Objectives	Other Course Objectives
IS5.6.1 Define Internet predators	C/T 3-5.1 The student will demonstrate knowledge of the nature and operation of technology systems.		Lab Guidance
IS5.6.2 Identify key characteristics of Internet predators	C/T 3-5.1 The student will demonstrate knowledge of the nature and operation of technology systems.		Lab Guidance
IS5.6.3 Discuss the grooming process of Internet predators	C/T 3-5.1 The student will demonstrate knowledge of the nature and operation of technology systems.		Health 5.5 The student will explain how peers, families, and community groups work together to build a healthy community. Key concepts/skills include collaborative support for environmental issues; the existence of customs and traditions; promotion of the value of community health and wellness; examination of community health issues; development of community health projects; promotion of volunteerism and community service. Health 5.3 The student will analyze the risks of dependence and addiction associated with the use of alcohol, tobacco, inhalants, and other drugs on the systems of the body. Key concepts/skills include the effects on the integrated functioning of the body systems; the effects on academic performance; the effects on relationships with family, peers, and other individuals. Lab Guidance

<p>IS5.6.4 Identify proactive techniques to reduce risks of becoming the victim of an Internet predator</p>	<p>C/T 3-5.1 The student will demonstrate knowledge of the nature and operation of technology systems.</p>		<p>Health 5.5 The student will explain how peers, families, and community groups work together to build a healthy community. Key concepts/skills include collaborative support for environmental issues; the existence of customs and traditions; promotion of the value of community health and wellness; examination of community health issues; development of community health projects; promotion of volunteerism and community service.</p> <p>Lab Guidance</p>
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Mecklenburg County Public Schools Internet Safety Cross-Curriculum Objectives 6th Grade (IS6)

Objective 1 Internet Citizenship

Internet Safety Objectives	Exploratory Objectives	US History to 1877 Objectives	Other Course Objectives
<p>IS6.1.1 Compare Internet to the physical community, with a focus on rules and responsibilities as citizens</p>	<p>Make It Your Business 6111-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Keyboarding 6150-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Introduction to Agri-Science 8002-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Computer Solutions 6609-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p>	<p>USI.1 The student will develop skills for Historical and geographical analysis, including the ability to:</p> <ul style="list-style-type: none"> b) make connections between the past and the present. <p>USI.2 The student will use maps, globes, photographs, pictures and tables to</p> <ul style="list-style-type: none"> c) locate the seven continents 	<p>Health 6.4 The student will analyze the consequences of personal choices on health and well-being. Key concepts/skills include:</p> <ul style="list-style-type: none"> a) the connection between self-image and personal success; b) the importance of accepting responsibility for personal actions; c) the use of resistance skills to avoid violence, gangs, weapons, and drugs; d) identification of risk behaviors; e) strategies for preventing and responding to injuries. <p>Science -Living Systems 6.7 The student will investigate and understand the natural processes and human interactions that affect watershed systems. Key concepts include</p> <ul style="list-style-type: none"> a) the health of ecosystems and the abiotic factors of a watershed; b) the location and structure of Virginia's regional watershed systems; c) divides, tributaries, river systems, and river and stream processes; d) wetlands; e) estuaries; f) major conservation, health, and safety issues associated with watersheds; and g) water monitoring and analysis using field equipment including hand-held technology. <p>Science - Resources 6.9 The student will investigate and understand public policy decisions relating to the environment. Key concepts include</p> <ul style="list-style-type: none"> a) management of renewable resources (water, air, soil, plant life, animal life); b) management of nonrenewable resources (coal, oil, natural gas, nuclear power, mineral resources); c) the mitigation of land-use and environmental hazards through preventive measures; d) and cost/benefit tradeoffs in conservation policies. <p>Family Life 6.2 The student will explain the effects of growth on development, attitudes and interests.</p>

Objective 2 Internet Security

Internet Safety Objectives	Exploratory Objectives	US History to 1877 Objectives	Other Course Objectives
<p>IS6.2.1 Discuss Internet security issues, focusing on the following issues:</p>	<p>Make It Your Business 6111-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Keyboarding 6150-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Introduction to Agri-science 8002-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Computer Solutions 6609-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p>	<p>USI.1 The student will develop skills for historical and geographical analysis, including the ability to: b) make connections between the past and the present.</p>	<p>Health 6.7The student will evaluate the benefits of becoming a positive role model within the family and the community. Key concepts/skills include a) involvement in community and family projects; b) development of increased leadership-role participation; c) development of peer mediation techniques; d) demonstrate respect for the opinions and beliefs of other individuals; e) respect for rules and regulations.</p>
<p>IS6.2.1.1 Vocabulary associated with E-mail use</p>			<p>Health 6.6 The student will access and analyze information for the purpose of improving personal and family health. Key concepts/skills include</p>
<p>IS6.2.1.2 Attributes of computer viruses</p>	<p>Computer Solutions 6609-6.033 Identify security issues related to computer hardware, software, and data. 6609-6.036 Identify safety precautions associated with computer use.</p>	<p>USI.1 The student will develop skills for historical and geographical analysis, including the ability to: b) make connections between the past and the present.</p>	<p>a) assessment of personal and family wellness; b) recognition of the persuasive tactics used by various types of media; c) interpretation of the contraindications for prescription drugs and over-the-counter medicines.</p>
<p>IS6.2.1.3 Consequences of malicious behavior involved in online communication</p>	<p>Computer Solutions 6609-6.033 Identify security issues related to computer hardware, software, and data. 6609-6.034 Analyze problems involving integrity, courtesy, and confidentiality related to information and communications systems.</p>		<p>Family Life 6.9 The student will become aware of community health-care and safe agencies and their functions. 6.11 The student will apply decision-making skills in solving problems and in determining the possible outcomes of his or her decisions. 6.12 The student will apply decision-making skills in solving problems in determining the possible outcomes of his or her decisions.</p>
<p>IS6.2.2 Identify inappropriate E-mails as threatening or mean, hoaxes, scams, or SPAM.</p>	<p>Make It Your Business 6111-18.002 Identify Internet Safety issues and procedures for complying with</p>		

	<p>acceptable use standards.</p> <p>Keyboarding 6150-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Introduction to Agri-science 8002-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>8002-6.019 Discuss the Importance of effective communication.</p> <p>8002-6.020 Participate in a group discussion.</p> <p>Computer Solutions 6609-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p>		
<p>IS6.2.3 Identify "hoaxes," "scams," and "SPAM"</p>	<p>Make It Your Business 6111-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Keyboarding 6150-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Introduction to Agri-science 8002-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>8002-6.019 Discuss the Importance of effective communication.</p> <p>8002-6.020 Participate in a group discussion.</p> <p>Computer Solutions 6609-6.002 Identify Internet Safety issues and procedures for complying with acceptable use</p>		

	standards.	
IS6.2.4 List at least four ways to handle inappropriate E-mail:	<p>Make It Your Business 6111-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Keyboarding 6150-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Introduction to Agri-science 8002-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>8002-6.019 Discuss the Importance of effective communication.</p> <p>8002-6.020 Participate in a group discussion.</p> <p>Computer Solutions 6609-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p>	
IS6.2.4.1 Don't open e-mail from people you don't know.		
IS6.2.4.2 It's a good idea to ask permission from an adult before you open any E-mail.		
IS6.2.4.3 If an E-mail contains inappropriate material delete it.		
IS6.2.4.4 Never respond to SPAM E- mail		
IS6.2.5 Explain that inappropriate Websites can be fixed so that responsible Internet citizens cannot get out of them very easily.	<p>Make It Your Business 6111-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Keyboarding 6150-18.002 Identify Internet Safety issues and procedures for</p>	

	<p>complying with acceptable use standards.</p> <p>Introduction to Agri-science 8002-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Media Center Research Computer Solutions 6609-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p>		
IS6.2.6 List at least three ways to get out of an inappropriate Website:	<p>Make It Your Business 6111-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Keyboarding 6150-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Introduction to Agri-science 8002-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Media Center Research Computer Solutions 6609-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p>		
IS6.2.6.1 Click the 'X' (close box) in the corner of the Web page			
IS6.2.6.2 Click the back arrow			
IS6.2.6.3 If all else fails, turn off the system completely			

Objective 3 Personal Safety

Internet Safety Objectives	Exploratory Objectives	US History to 1877 Objectives	Other Course Objectives
<p>IS6.3.1 Review key concepts associated with responsible and safe Internet choices and behaviors as they pertain to the following:</p>	<p>Make It Your Business 6111-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Keyboarding 6150-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Introduction to Agri-science 8002-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Media Center Research Computer Solutions 6609-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p>		<p>Health 6.7 The student will evaluate the benefits of becoming a positive role model within the family and the community. Key concepts/skills include a) involvement in community and family projects; b) development of increased leadership-role participation; c) development of peer mediation techniques; d) demonstrate respect for the opinions and beliefs of other individuals; e) respect for rules and regulations.</p> <p>Family Life 6.9 The student will become aware of community health-care and safety agencies and their functions.</p> <p>6.11 The student will evaluate the messages from mass media related to sexuality and gender stereotyping.</p>
<p>IS6.3.1.1 Providing personal information</p>			
<p>IS6.3.1.2 Selecting screen names and passwords</p>			
<p>IS6.3.1.3 Choosing online Communication methods</p>			

Objective 4 Predator Identification

Internet Safety Objectives	Exploratory Objectives	US History to 1877 Objectives	Other Course Objectives
<p>IS6.4.1 Review definition of Internet predators</p>	<p>Make It Your Business 6111-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Keyboarding 6150-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Introduction to Agri-science 8002-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Computer Solutions 6609-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p>		<p>Health 6.6 The student will access and analyze information for the purpose of improving personal and family health. Key concepts/skills include a) assessment of personal and family wellness; b) recognition of the persuasive tactics used by various types of media; c) interpretation of the contraindications for prescription drugs and over-the-counter medicines.</p> <p>6.7 The student will evaluate the benefits of becoming a positive role model within the family and the community. Key concepts/skills include a) involvement in community and family projects; b) development of increased leadership-role participation; c) development of peer mediation techniques; d) demonstrate respect for the opinions and beliefs of other individuals; e) respect for rules and regulations.</p> <p>Family Life 6.12 The student will apply decision-making skills in solving specific problems in determining the possible outcomes of his or her decisions.</p>
<p>IS6.4.2 Identify key characteristics of Internet predators</p>	<p>Make It Your Business 6111-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Keyboarding 6150-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Introduction to Agri-science 8002-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Computer Solutions 6609-6.002 Identify Internet Safety issues and procedures</p>		<p>Health 6.6 The student will access and analyze information for the purpose of improving personal and family health. Key concepts/skills include a) assessment of personal and family wellness; b) recognition of the persuasive tactics used by various types of media; c) interpretation of the contraindications for prescription drugs and over-the-counter medicines.</p> <p>6.7 The student will evaluate the benefits of becoming a positive role model within the family and the community. Key concepts/skills include a) involvement in community and family projects; b) development of increased leadership-role participation; c) development of peer mediation techniques; d) demonstrate respect for the opinions and beliefs of other individuals; e) respect for rules and regulations.</p> <p>Family Life 6.12 The student will apply decision-making skills in solving specific problems in determining the possible outcomes of his or her decisions.</p>

	<p>for complying with acceptable use standards.</p> <p>Computer Solutions 6609-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p>		
IS6.4.3 Discuss the grooming process of Internet predators	<p>Make It Your Business 6111-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Keyboarding 6150-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Introduction to Agri-science 8002-6.002 Identify Internet Safety issues and procedures for complying with acceptable us</p> <p>Computer Solutions 6609-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p>		<p>Family Life 6.12 The student will apply decision-making skills in solving specific problems in determining the possible outcomes of his or her decisions.</p>
IS6.4.4 Identify proactive techniques to reduce risks of becoming the victim of an Internet predator	<p>Make It Your Business 6111-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Keyboarding 6150-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Introduction to Agri-science 8002-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p>		<p>Family Life 6.12 The student will apply decision-making skills in solving specific problems in determining the possible outcomes of his or her decisions.</p>

	Computer Solutions 6609-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.		
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Objective 5 Intellectual Property

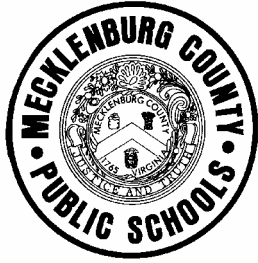
Internet Safety Objectives	Exploratory Objectives	US History to 1877 Objectives	Other Course Objectives
<p>IS6.5.1 Identify material which qualifies as intellectual property</p>	<p>Make It Your Business 6111-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Keyboarding 6150-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Introduction to Agri-science 8002-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Media Center Research Computer Solutions 6609-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p>		<p>Science - Living Systems</p> <p>6.7 The student will investigate and understand the natural processes and human interactions that affect watershed systems. Key concepts include</p> <ul style="list-style-type: none"> a) the health of ecosystems and the abiotic factors of a watershed; b) the location and structure of Virginia's regional watershed systems; c) divides, tributaries, river systems, and river and stream processes; d) wetlands; e) estuaries; f) major conservation, health, and safety issues associated with watersheds; and <p>water monitoring and analysis using field equipment including hand-held technology.</p>
<p>IS6.5.2 Discuss guidelines for using intellectual property correctly</p>	<p>Make It Your Business 6111-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Keyboarding 6150-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Introduction to Agri-science 8002-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p>		

	<p>Media Center Research Computer Solutions 6609-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p>		
<p>IS6.5.3 Review definition of plagiarism</p>	<p>Make It Your Business 6111-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Keyboarding 6150-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Introduction to Agri-science 8002-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Media Center Research Computer Solutions 6609-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p>		
<p>IS6.5.4 List techniques to avoid plagiarism</p>	<p>Make It Your Business 6111-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Keyboarding 6150-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Introduction to Agri-science 8002-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p>		

Objective 6 Cyber Bullying

Internet Safety Objectives	Exploratory Objectives	US History to 1877 Objectives	Other Course Objectives
<p>IS6.6.1 Review attributes and types of Cyber bullying</p>	<p>Make It Your Business 6111-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Keyboarding 6150-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Introduction to Agri-science 8002-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Computer Solutions 6609-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p>		<p>Family Life 6.7 The student will describe personal characteristics that can contribute to happiness of self and others.</p> <p>6.12 The student will apply decision-making skills in solving specific problems in determining the possible outcomes of his or her decisions.</p>
<p>IS6.6.2 Discuss motivation for Cyber bullying</p>	<p>Make It Your Business 6111-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Keyboarding 6150-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Introduction to Agri-science 8002-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Computer Solutions 6609-6.02 Identify Internet Safety issues</p>		<p>Family Life 6.7 The student will describe personal characteristics that can contribute to happiness of self and others</p> <p>6.12 The student will apply decision-making skills in solving specific problems in determining the possible outcomes of his or her decisions.</p>

	and procedures for complying with acceptable use standards.		
IS6.6.3 Review techniques to avoid Cyber bullying	<p>Make It Your Business 6111-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Keyboarding 6150-18.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Introduction to Agri-science 8002-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p> <p>Computer Solutions 6609-6.002 Identify Internet Safety issues and procedures for complying with acceptable use standards.</p>		<p>Family Life 6.7 The student will describe personal characteristics that can contribute to happiness of self and others</p> <p>6.12 The student will apply decision-making skills in solving specific problems in determining the possible outcomes of his or her decisions.</p>



Mecklenburg County Public Schools Internet Safety Cross-Curriculum Objectives 7th Grade (IS7)

Objective 1 Internet Citizenship

Internet Safety Objectives	US History: 1877 to the Present Objectives	English Objectives	Other Course Objectives
<p>IS7.1.1 Compare Internet to the physical community, with a focus on the following:</p> <p>IS7.1.1.1 Who participates</p> <p>IS7.1.1.2 How people interact</p> <p>IS7.1.1.3 The roles of community leaders</p>	<p>USII.1 The student will demonstrate skills for historical and geographical analysis, including the ability to</p> <ul style="list-style-type: none"> b) make connections between past and present c) sequence events in United States history from 1877 to the present d) interpret ideas and events from different historical perspectives <p>USII.8 The student will demonstrate knowledge of the key domestic issues during the second half of the twentieth century by</p> <ul style="list-style-type: none"> b) describing the development of new technologies and their impact on American life. 	<p>7.1 The student will give and seek information in conversations, in group discussions, and in oral presentations.</p> <ul style="list-style-type: none"> a) Use oral vocabulary and style appropriate for listeners. b) Communicate ideas and information orally in an organized and succinct manner. c) Ask probing questions to seek elaboration and clarification of ideas. d) Make supportive statements to communicate agreement with or acceptance of others' ideas. e) Use grammatically correct language and vocabulary appropriate to audience, topic, and purpose. <p>7.8 The student will develop narrative, expository, and persuasive writing.</p> <ul style="list-style-type: none"> a) Apply knowledge of prewriting strategies. b) Elaborate the central idea in an organized manner. c) Choose vocabulary and information that will create voice and tone. d) Use clauses and phrases to vary sentences. e) Revise writing for clarity and effect. f) Use a word processor to plan, draft, revise, edit, and publish selected writings. <p>7.9 The student will edit writing for correct grammar, capitalization, punctuation, spelling, sentence structure, and paragraphing.</p> <ul style="list-style-type: none"> a) Use a variety of graphic organizers, 	<p>Math</p> <p>7.17 The student, given a problem situation, will collect, analyze, display, and interpret data, using a variety of graphical methods, including</p> <ul style="list-style-type: none"> a) frequency distributions; b) line plots; c) histograms; d) stem-and-leaf plots; e) box-and-whisker plots; and f) scatter grams <p>7.18 The student will make inferences, conjectures, and predictions based on analysis of a set of data.</p> <p>Family Life</p> <p>7.1 The student will identify this or her role and relationships within the family.</p>

		<p>including sentence diagrams, to analyze and improve sentence formation and paragraph structure.</p> <p>b) Demonstrate understanding of sentence formation by identifying the eight parts of speech and their functions in sentences.</p> <p>c) Choose pronouns to agree with antecedents.</p> <p>d) Use subject-verb agreement with intervening phrases and clauses.</p> <p>e) Edit for verb tense consistency.</p>	
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Objective 2 Internet Security

Internet Safety Objectives	US History: 1877 to the Present Objectives	English Objectives	Other Course Objectives
IS7.2.1 Review definition of Cyber bullying	<p>USII.1 The student will demonstrate skills for historical and geographical analysis, including the ability to</p> <p>d) interpret ideas and events from different historical perspectives</p>	<p>7.1 The student will give and seek information in conversations, in group discussions, and in oral presentations.</p> <p>a) Use oral vocabulary and style appropriate for listeners.</p> <p>b) Communicate ideas and information orally in an organized and succinct manner.</p> <p>c) Ask probing questions to seek elaboration and clarification of ideas.</p> <p>d) Make supportive statements to communicate agreement with or acceptance of others' ideas.</p> <p>e) Use grammatically correct language and vocabulary appropriate to audience, topic, and purpose.</p> <p>7.4 The student will read to determine the meanings and pronunciations of unfamiliar words and phrases.</p> <p>a) Use roots and affixes to expand vocabulary.</p> <p>b) Recognize analogies and figurative language.</p> <p>c) Identify connotations.</p> <p>7.7 The student will apply knowledge of appropriate reference materials.</p> <p>a) Use print and electronic sources to locate information in books and articles.</p> <p>b) Use graphic organizers to organize information.</p>	<p>Family Life</p> <p>7.12 The student will identify the issues associated with friendships.</p> <p>7.13 The student will realize the role of peers and the peer group during adolescence, and the nature and purpose of dating.</p> <p>7.15 The student will increase his or her ability to listen to different points of view and to accept the rights of others to a differing point of view.</p> <p>Health</p> <p>7.1 The student will use knowledge of health concepts to make decisions related to personal safety and wellness. Key concepts/skills include</p> <p>a) alternatives to gang-related behaviors and acts of violence</p> <p>b) recognition of harmful and risky behaviors</p> <p>c) the benefits of stress management</p> <p>d) strategies for coping with disappointment</p> <p>e) factors that affect school success;</p> <p>f) the impact of difficult family situations;</p> <p>g) development of interpersonal relationships.</p> <p>7.2 The student will describe and exhibit the behaviors associated with a physically active and healthy lifestyle. Key concepts/skills include</p> <p>a) the effects of dietary habits on daily performance;</p> <p>b) the importance of participating in recreational and leisure activities;</p> <p>c) strategies for avoiding drugs, alcohol, tobacco, and inhalants;</p> <p>d) the health benefits of regular physical activity and fitness;</p> <p>e) the impact of sleep and rest on physical and mental performance.</p>

		<ul style="list-style-type: none"> c) Synthesize information from multiple sources. d) Credit primary and secondary sources <p>7.8 The student will develop narrative, expository, and persuasive writing.</p> <ul style="list-style-type: none"> a) Apply knowledge of prewriting strategies. b) Elaborate the central idea in an organized manner. c) Choose vocabulary and information that will create voice and tone. d) Use clauses and phrases to vary sentences. e) Revise writing for clarity and effect. f) Use a word processor to plan, draft, revise, edit, and publish selected writings. 	
<p>IS7.2.2 Recognize the signs of Cyber bullying</p>	<p>d) interpret ideas and events from different historical perspectives</p>	<p>7.1 The student will give and seek information in conversations, in group discussions, and in oral presentations.</p> <ul style="list-style-type: none"> a) Use oral vocabulary and style appropriate for listeners. b) Communicate ideas and information orally in an organized and succinct manner. c) Ask probing questions to seek elaboration and clarification of ideas. d) Make supportive statements to communicate agreement with or acceptance of others' ideas. e) Use grammatically correct language and vocabulary appropriate to audience, topic, and purpose. <p>7.6 The student will read and demonstrate comprehension of a variety of informational texts.</p> <ul style="list-style-type: none"> c) Distinguish fact from opinion in newspapers, magazines, and other print media. <p>7.8 The student will develop narrative, expository, and persuasive writing.</p> <ul style="list-style-type: none"> a) Apply knowledge of prewriting strategies. b) Elaborate the central idea in an organized manner. c) Choose vocabulary and 	<p>Health: Knowledge and Skills</p> <p>7.1 The student will use knowledge of health concepts to make decisions related to personal safety and wellness. Key concepts/skills include</p> <ul style="list-style-type: none"> a) alternatives to gang-related behaviors and acts of violence; b) recognition of harmful and risky behaviors; c) the benefits of stress management; d) strategies for coping with disappointment; e) factors that affect school success; f) the impact of difficult family situations; g) development of interpersonal relationships.

		<p>information that will create voice and tone.</p> <p>d) Use clauses and phrases to vary sentences.</p> <p>e) Revise writing for clarity and effect.</p> <p>f) Use a word processor to plan, draft, revise, edit, and publish selected writings.</p>	
<p>IS7.2.3 List the consequences of Cyber bullying</p>	<p>d) interpret ideas and events from different historical perspectives</p>	<p>7.1 The student will give and seek information in conversations, in group discussions, and in oral presentations.</p> <p>a) Use oral vocabulary and style appropriate for listeners.</p> <p>b) Communicate ideas and information orally in an organized and succinct manner.</p> <p>c) Ask probing questions to seek elaboration and clarification of ideas.</p> <p>d) Make supportive statements to communicate agreement with or acceptance of others' ideas.</p> <p>e) Use grammatically correct language and vocabulary appropriate to audience, topic, and purpose.</p> <p>7.8 The student will develop narrative, expository, and persuasive writing.</p> <p>a) Apply knowledge of prewriting strategies.</p> <p>b) Elaborate the central idea in an organized manner.</p> <p>c) Choose vocabulary and information that will create voice and tone.</p> <p>d) Use clauses and phrases to vary sentences.</p> <p>e) Revise writing for clarity and effect.</p> <p>f) Use a word processor to plan, draft, revise, edit, and publish selected writings.</p> <p>7.9 The student will edit writing for correct grammar, capitalization, punctuation, spelling, sentence structure, and paragraphing.</p> <p>a) Use a variety of graphic organizers, including sentence diagrams, to analyze and improve sentence formation and paragraph structure.</p> <p>b) Demonstrate understanding of</p>	

		<p>sentence formation by identifying the eight parts of speech and their functions in sentences.</p> <p>c) Choose pronouns to agree with antecedents.</p> <p>d) Use subject-verb agreement with intervening phrases and clauses.</p> <p>e) Edit for verb tense consistency.</p>	
IS7.2.4 Discuss techniques for preventing or discouraging Cyber bullying	d) interpret ideas and events from different historical perspectives	<p>7.1 The student will give and seek information in conversations, in group discussions, and in oral presentations.</p> <p>a) Use oral vocabulary and style appropriate for listeners.</p> <p>b) Communicate ideas and information orally in an organized and succinct manner.</p> <p>c) Ask probing questions to seek elaboration and clarification of ideas.</p> <p>d) Make supportive statements to communicate agreement with or acceptance of others' ideas.</p> <p>e) Use grammatically correct language and vocabulary appropriate to audience, topic, and purpose.</p> <p>7.3 The student will describe persuasive messages in nonprint media, including television, radio, and video.</p> <p>a) Identify persuasive technique used.</p> <p>7.8 The student will develop narrative, expository, and persuasive writing.</p> <p>a) Apply knowledge of prewriting strategies.</p> <p>b) Elaborate the central idea in an organized manner.</p> <p>c) Choose vocabulary and information that will create voice and tone.</p> <p>d) Use clauses and phrases to vary sentences.</p> <p>e) Revise writing for clarity and effect.</p> <p>f) Use a word processor to plan, draft, revise, edit, and publish selected writings.</p>	

Objective 3 Personal Safety

Internet Safety Objectives	US History: 1877 to the Present Objectives	English Objectives	Other Course Objectives
<p>IS7.3.1 Review key concepts associated with responsible and safe Internet choices and behaviors as they pertain to the following:</p>	<p>USII.1 The student will demonstrate skills for historical and geographical analysis, including the ability to</p> <ul style="list-style-type: none"> b) make connections between past and present c) sequence events in United States history from 1877 to the present <p>USII.8 The student will demonstrate knowledge of the key domestic issues during the second half of the twentieth century by</p> <ul style="list-style-type: none"> b) describing the development of new technologies and their impact on American life. 	<p>7.1 The student will give and seek information in conversations, in group discussions, and in oral presentations.</p> <ul style="list-style-type: none"> a) Use oral vocabulary and style appropriate for listeners. b) Communicate ideas and information orally in an organized and succinct manner. c) Ask probing questions to seek elaboration and clarification of ideas. d) Make supportive statements to communicate agreement with or acceptance of others' ideas. e) Use grammatically correct language and vocabulary appropriate to audience, topic, and purpose. 	<p>Health: Knowledge and Skills</p> <p>7.1 The student will use knowledge of health concepts to make decisions related to personal safety and wellness. Key concepts/skills include</p> <ul style="list-style-type: none"> b) recognition of harmful and risky behaviors <p>Family Life</p> <p>7.12 The student will identify the issues associated with friendships.</p> <p>7.13 The student will realize the role of peers and the peer group during adolescence, and the nature and purpose of dating.</p> <p>Math</p> <p>The focus of statistics instruction is to assist students with further development and investigation of data-collection strategies. Students should continue to focus on</p>
<p>IS7.3.1.1 Providing personal information</p>			
<p>IS7.3.1.2 Selecting screen names and passwords</p>		<p>7.8 The student will develop narrative, expository, and persuasive writing.</p> <ul style="list-style-type: none"> a) Apply knowledge of prewriting strategies. b) Elaborate the central idea in an organized manner. c) Choose vocabulary and information that will create voice and tone. d) Use clauses and phrases to vary sentences. e) Revise writing for clarity and effect. f) Use a word processor to plan, draft, revise, edit, and publish selected writings. 	<ul style="list-style-type: none"> • posing questions; • collecting data and organizing this data into meaningful graphs, charts, and diagrams based on issues relating to real-world experiences; • interpreting the data presented by these graphs; • answering descriptive questions (“How many?” “How much?”) from the data displays; • identifying and justifying comparisons (“Which is the most? Which is the least?” “Which is the same? Which is different?”) about the information; • comparing their initial predictions to the actual results; and • writing a few sentences to communicate to others their analysis and interpretation of the data. <p>In the middle grades, the focus of mathematics learning is to</p> <ul style="list-style-type: none"> • build on students’ concrete reasoning experiences developed in the elementary grades;
<p>IS7.3.1.3 Choosing online Communication methods</p>		<p>7.7 The student will apply knowledge of appropriate reference materials.</p> <ul style="list-style-type: none"> a) Use print and electronic sources to locate information in books and articles. b) Use graphic organizers to organize information. c) Synthesize information from multiple sources. d) Credit primary and secondary sources 	<ul style="list-style-type: none"> • construct through active learning experiences a more advanced understanding of mathematics; • develop deep mathematical understandings required for success in abstract learning experiences; and • apply mathematics as a tool in solving real-life problems.

Objective 4 Predator Identification

Internet Safety Objectives	US History: 1877 to the Present Objectives	English Objectives	Other Course Objectives
IS7.4.1 Review definition of Internet predators	USII.8 The student will demonstrate knowledge of the key domestic issues during the second half of the twentieth century by b) describing the development of new technologies and their impact on American life.	7.4 The student will read to determine the meanings and pronunciations of unfamiliar words and phrases. a) Use roots and affixes to expand vocabulary. b) Recognize analogies and figurative language. c) Identify connotations.	Family Life 7.12 The student will identify the issues associated with friendships. 7.13 The student will realize the role of peers and the peer group during adolescence, and the nature and purpose of dating. 7.15 The student will increase his or her ability to listen to different points of view and to accept the rights of others to a differing point of view
IS7.4.2 Identify key characteristics of Internet predators	b) describing the development of new technologies and their impact on American life.		Health: Knowledge and Skills 7.1 The student will use knowledge of health concepts to make decisions related to personal safety and wellness. Key concepts/skills include a) alternatives to gang-related behaviors and acts of violence b) recognition of harmful and risky behaviors c) the benefits of stress management d) strategies for coping with disappointment e) factors that affect school success; f) the impact of difficult family situations; g) development of interpersonal relationships. 7.2 The student will describe and exhibit the behaviors associated with a physically active and healthy lifestyle. Key concepts/skills include a) the effects of dietary habits on daily performance; b) the importance of participating in recreational and leisure activities; c) strategies for avoiding drugs, alcohol, tobacco, and inhalants; d) the health benefits of regular physical activity and fitness; e) the impact of sleep and rest on physical and mental performance.
IS7.4.3 Discuss the grooming process of Internet predators	b) describing the development of new technologies and their impact on American life.		
IS7.4.4 Identify proactive techniques to reduce risks of becoming the victim of an Internet predator	b) describing the development of new technologies and their impact on American life.		

Objective 5 Intellectual Property

Internet Safety Objectives	US History: 1877 to the Present Objectives	English Objectives	Other Course Objectives
IS7.5.1 Define "piracy" in regards to music, videos, or arts			
IS7.5.2 Identify material which qualifies as intellectual property			
IS7.5.3 Review the attributes and types of intellectual properties			
IS7.5.4 Discuss copyright rules as they apply to student work		7.7 The student will apply knowledge of appropriate reference materials. d) Credit primary and secondary sources	

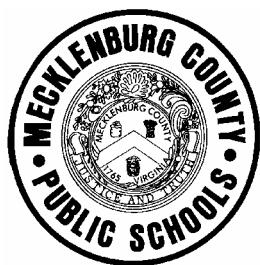
Objective 6 Cyber Bullying

Internet Safety Objectives	US History: 1877 to the Present Objectives	English Objectives	Other Course Objectives
IS7.6.1 Review attributes and types of Cyber bullying	USII.8 The student will demonstrate knowledge of the key domestic issues during the second half of the twentieth century by b) describing the development of new technologies and their impact on American life.	7.8 The student will develop narrative, expository, and persuasive writing. a) Apply knowledge of prewriting strategies. b) Elaborate the central idea in an organized manner. c) Choose vocabulary and information that will create voice and tone. d) Use clauses and phrases to vary sentences. e) Revise writing for clarity and effect. f) Use a word processor to plan, draft, revise, edit, and publish selected writings.	Health: Knowledge and Skills 7.1 The student will use knowledge of health concepts to make decisions related to personal safety and wellness. Key concepts/skills include a) alternatives to gang-related behaviors and acts of violence; b) recognition of harmful and risky behaviors; c) the benefits of stress management; d) strategies for coping with disappointment; e) factors that affect school success; f) the impact of difficult family situations; g) development of interpersonal relationships. Family Life 7.13 The student will realize the role of peers and the peer group during adolescence, and the nature and purpose of dating.
IS7.6.2 Review techniques to avoid and report Cyber bullying	b) describing the development of new technologies and their impact on American life.		Health 7.1 The student will use knowledge of health concepts to make decisions related to personal safety and wellness. Key concepts/skills include
IS7.6.3 Discuss consequences of Cyber bullying	b) describing the development of new technologies and their impact on American life.		a) alternatives to gang-related behaviors and acts of violence b) recognition of harmful and risky behaviors c) the benefits of stress management d) strategies for coping with disappointment e) factors that affect school success; f) the impact of difficult family situations; g) development of interpersonal relationships. 7.2 The student will describe and exhibit the behaviors associated with a physically active and healthy lifestyle. Key concepts/skills include a) the effects of dietary habits on daily performance; b) the importance of participating in recreational and leisure activities; c) strategies for avoiding drugs, alcohol, tobacco, and inhalants; d) the health benefits of regular physical activity and fitness; e) the impact of sleep and rest on physical and mental performance.

Objective 7 Homeland Security

Internet Safety Objectives	US History: 1877 to the Present Objectives	English Objectives	Other Course Objectives
IS7.6.1 Define Internet terrorism	USII.8 The student will demonstrate knowledge of the key domestic issues during the second half of the twentieth century by	7.7 The student will apply knowledge of appropriate reference materials. a) Use print and electronic sources to	

	b) describing the development of new technologies and their impact on American life.	locate information in books and articles. b) Use graphic organizers to organize information.	
IS7.6.2 Review definitions of hacking and malicious code (i.e. viruses and worms)	b) describing the development of new technologies and their impact on American life.	c) Synthesize information from multiple sources. d) Credit primary and secondary sources	
IS7.6.3 Integrate knowledge of terms to identify and comprehend the utilization of the Internet in Cyber terrorism and internet warfare	b) describing the development of new technologies and their impact on American life.	7.8 The student will develop narrative, expository, and persuasive writing. a) Apply knowledge of prewriting strategies. b) Elaborate the central idea in an organized manner. c) Choose vocabulary and information that will create voice and tone. d) Use clauses and phrases to vary sentences. e) Revise writing for clarity and effect. f) Use a word processor to plan, draft, revise, edit, and publish selected writings. 7.4 The student will read to determine the meanings and pronunciations of unfamiliar words and phrases. a) Use roots and affixes to expand vocabulary. b) Recognize analogies and figurative language. c) Identify connotations.	



Mecklenburg County Public Schools

Internet Safety Cross-Curriculum Objectives

8th Grade (IS8)

Objective 1 Internet Citizenship

Internet Safety Objectives	Civics and Economics	English Objectives	Other Course Objectives
<p>IS8.1.1 Compare Internet to the physical community, with a focus on evaluating the appropriateness of Websites considering the following:</p>	<p>CE.4 The student will demonstrate knowledge of personal character traits that facilitate thoughtful and effective participation in civic life by</p> <ol style="list-style-type: none"> a) practicing trustworthiness and honesty; b) practicing courtesy and respect for the rights of others; c) practicing responsibility, accountability, and self-reliance; d) practicing respect for the law; e) practicing patriotism. <p>CE.3 The student will demonstrate knowledge of citizenship and the rights, duties, and responsibilities of citizens by</p> <ol style="list-style-type: none"> c) describing the duties of citizenship, including obeying the laws, paying taxes, defending the nation, and serving in court; d) examining the responsibilities of citizenship, including registering and voting, communicating with government officials, participating in political campaigns, keeping informed about current issues, and respecting differing opinions in a diverse society; 		<p>Health Information Access and Use 8.4 The student will interpret and evaluate how health information, products, services, and agencies are targeted to impact adolescents. Key concepts/skills include</p> <ol style="list-style-type: none"> a) a personal system for reviewing appropriateness of print, audiovisual, and electronic media images; b) the influence of multiple media resources on personal choices; c) consumer rights related to health products and services.
<p>IS8.1.1.1 Age-group</p>			
<p>IS8.1.1.2 Intended use</p>		<p>Reading 8.6 The student will read, comprehend, and analyze a variety of informational sources.</p> <ol style="list-style-type: none"> b) Analyze the author's credentials, 	<p>Math In the middle grades, the focus of mathematics learning is to</p> <ul style="list-style-type: none"> • build on students' concrete reasoning experiences developed in the elementary grades;

		viewpoint, and impact. c) Analyze the author's use of text structure and word choice. Analyze details for relevance and accuracy.	<ul style="list-style-type: none"> construct through active learning experiences a more advanced understanding of mathematics; develop deep mathematical understandings required for success in abstract learning experiences; and apply mathematics as a tool in solving real-life problems.
IS8.1.1.3 Reliability of information		Reading (8.6) d) Analyze details for relevance and accuracy.	

Objective 2 Internet Security

Internet Safety Objectives	Civics and Economics		Other Course Objectives
IS8.2.1 Discuss Internet security issues, with details on specific threats and consequences of the following:	CE.1 The student will develop the social skills citizenship requires, including the ability to d) distinguish between relevant and irrelevant information e) review information for accuracy, separating fact from opinion f) identify a problem and recommend a solution	Reading (8.6) d) Analyze details for relevance and accuracy.	Health 8.1 The student will analyze and evaluate the relationship between health-risk behaviors and the onset of health problems that can impact health and well-being during the adolescent years. Key concepts/skills include b) the roles of preventative health measures, immunization, and treatment in disease prevention; h) the risk factors associated with communicable and non-communicable diseases.
IS8.2.1.1 Computer viruses	CE.1 The student will develop the social skills citizenship requires, including the ability to f) identify a problem and recommend a solution	Reading 8.4 The student will apply knowledge of word origins, derivations, inflections, analogies, and figurative language to extend vocabulary development. b) Use context, structure, and connotations to determine meaning of words and phrases.	Health 8.1 The student will analyze and evaluate the relationship between health-risk behaviors and the onset of health problems that can impact health and well-being during the adolescent years. Key concepts/skills include b) the roles of preventative health measures, immunization, and treatment in disease prevention; h) the risk factors associated with communicable and non-communicable diseases.
IS8.2.1.2 Trojan horses	CE.1 The student will develop the social skills citizenship requires, including the ability to f) identify a problem and recommend a solution	Reading 8.4 The student will apply knowledge of word origins, derivations, inflections, analogies, and figurative language to extend vocabulary development. b) Use context, structure, and connotations to determine meaning of words and phrases.	Health 8.1 The student will analyze and evaluate the relationship between health-risk behaviors and the onset of health problems that can impact health and well-being during the adolescent years. Key concepts/skills include b) the roles of preventative health measures, immunization, and treatment in disease prevention; h) the risk factors associated with communicable and non-communicable diseases.
IS8.2.1.3 Worms	CE.1 The student will develop the social skills citizenship requires, including the ability to f) identify a problem and recommend a solution	Reading 8.4 The student will apply knowledge of word origins, derivations, inflections, analogies, and figurative language to extend vocabulary development. b) Use context, structure, and connotations to determine meaning of words and phrases.	Health 8.1 The student will analyze and evaluate the relationship between health-risk behaviors and the onset of health problems that can impact health and well-being during the adolescent years. Key concepts/skills include b) the roles of preventative health measures, immunization, and treatment in disease prevention; h) the risk factors associated with communicable and non-communicable diseases.
IS8.2.1.4 Hacking	CE.1 The student will develop the social skills citizenship requires, including the ability to	Reading 8.4 The student will apply knowledge of word origins, derivations,	Health 8.1 The student will analyze and evaluate the relationship between health-risk behaviors and the onset of health

	f) identify a problem and recommend a solution	inflections, analogies, and figurative language to extend vocabulary development. b) Use context, structure, and connotations to determine meaning of words and phrases.	problems that can impact health and well-being during the adolescent years. Key concepts/skills include b) the roles of preventative health measures, immunization, and treatment in disease prevention; h) the risk factors associated with communicable and non-communicable diseases.
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Objective 3 Personal Safety

Internet Safety Objectives	Civics and Economics		Other Course Objectives
IS8.3.1 Review key concepts associated with responsible and safe Internet choices and behaviors as they pertain to the following:	CE.4 The student will demonstrate knowledge of personal character traits that facilitate thoughtful and effective participation in civic life by c) practicing responsibility, accountability, and self-reliance		Health 8.4 The student will interpret and evaluate how health information, products, services, and agencies are targeted to impact adolescents. Key concepts/skills include a) personal system for reviewing appropriateness of print, audiovisual, and electronic media images; b) the influence of multiple media resources on personal choices; c) consumer rights related to health products and services.
IS8.3.1.1 Providing personal information	CE.4 The student will demonstrate knowledge of personal character traits that facilitate thoughtful and effective participation in civic life by a) practicing trustworthiness and honesty; c) practicing responsibility, accountability, and self-reliance; d) practicing respect for the law;		
IS8.3.1.2 Selecting screen names and passwords	CE.3 The student will demonstrate knowledge of citizenship and the rights, duties, and responsibilities of citizens by d) examining the responsibilities of citizenship, including keeping informed about current issues, and respecting differing opinions in a diverse society;		
IS8.3.1.3 Choosing online Communication methods	CE.4 The student will demonstrate knowledge of personal character traits that facilitate thoughtful and effective participation in civic life by c) practicing responsibility, accountability, and self-reliance		

Objective 4 Predator Identification

Internet Safety Objectives	Civics and Economics		Other Course Objectives
IS8.4.1 Review definition of Internet predators	CE.4 The student will demonstrate knowledge of personal character traits that facilitate thoughtful and effective participation in civic life by c) practicing responsibility, accountability, and self-reliance d) practicing respect for the law		Family 8.1 The student will relate stages of human development to his or her own developmental level. 8.3 The student will become aware of the need to think through decisions and to take responsibility for them.
IS8.4.2 Identify key characteristics of Internet predators	CE.4 The student will demonstrate knowledge of personal character traits that facilitate thoughtful and effective participation in civic life by c) practicing responsibility, accountability, and self-reliance d) practicing respect for the law		Health 8.2 The student will apply health concepts and skills to the management of personal and family health. Key concepts/skills include a) the risks associated with gang-related activities; b) the benefits of using resistance, problem-solving, and decision-making skills for resolving health issues; c) the importance of developing relationships that are positive and promote wellness; d) the benefits of developing and implementing short- and long-term health and fitness goals that are achievable and purposeful. 8.5 The student will investigate and evaluate ways in which peers, families, and other community groups can work together to build a safe and healthy community. Key concepts/skills include c) the similarities among practices associated with healthy environments;
IS8.4.3 Discuss the grooming process of Internet predators	CE.4 The student will demonstrate knowledge of personal character traits that facilitate thoughtful and effective participation in civic life by c) practicing responsibility, accountability, and self-reliance d) practicing respect for the law	Writing (persuasive writing) 8.7 The student will write in a variety of forms, including narrative, expository, persuasive, and informational. a) Use prewriting strategies to generate and organize ideas. b) Organize details to elaborate the central idea. c) Select specific vocabulary and information. d) Revise writing for word choice, sentence variety, and transitions among paragraphs. e) Use available technology.	
IS8.4.4 Identify proactive techniques to reduce risks of becoming the victim of an Internet predator	CE.4 The student will demonstrate knowledge of personal character traits that facilitate thoughtful and effective participation in civic life by c) practicing responsibility, accountability, and self-reliance d) practicing respect for the law	Writing (expository writing) 8.7 The student will write in a variety of forms, including narrative, expository, persuasive, and informational. a) Use prewriting strategies to generate and organize ideas. b) Organize details to elaborate the	

		<p>central idea.</p> <p>c) Select specific vocabulary and information.</p> <p>d) Revise writing for word choice, sentence variety, and transitions among paragraphs.</p> <p>e) Use available technology.</p>	
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Objective 5 Intellectual Property

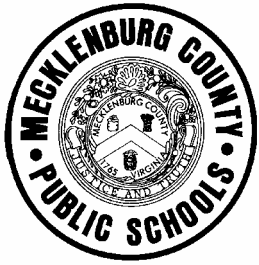
Internet Safety Objectives	Civics and Economics		Other Course Objectives
IS8.5.1 Review definition of copyright		<p>Writing (Research)</p> <p>8.7 The student will write in a variety of forms, including narrative, expository, persuasive, and informational.</p> <p>a) Use prewriting strategies to generate and organize ideas.</p> <p>b) Organize details to elaborate the central idea.</p> <p>c) Select specific vocabulary and information.</p> <p>d) Revise writing for word choice, sentence variety, and transitions among paragraphs.</p> <p>e) Use available technology.</p>	
IS8.5.2 Review definition of plagiarism			
IS8.5.3 Identify and discuss laws governing intellectual property	<p>CE.3 The student will demonstrate knowledge of citizenship and the rights, duties, and responsibilities of citizens by</p> <p>c) describing the duties of citizenship, including obeying the laws, paying taxes, defending the nation, and serving in court;</p> <p>CE.8 The student will demonstrate knowledge of the judicial systems established by the Constitution of Virginia and the Constitution of the United States by</p> <p>a) describing the organization and jurisdiction of federal and state courts;</p> <p>b) describing the exercise of judicial review;</p> <p>c) explaining court proceedings in civil and criminal cases;</p> <p>d) explaining how due process protections seek to ensure</p>		

Objective 6 Cyber Bullying

Internet Safety Objectives	Civics and Economics		Other Course Objectives
IS8.6.1 Expand definition of Cyber bullying to include Cyber stalking	CE.4 The student will demonstrate knowledge of personal character traits that facilitate thoughtful and effective participation in civic life by b) practicing courtesy and respect for the rights of others c) practicing responsibility, accountability, and self-reliance d) practicing respect for the law		Family 8.1 The student will relate stages of human development to his or her own development level. 8.3 The student will become aware of the need to think through decisions and to take responsibility for them. 8.4 The student will identify the issues associated with friendships. Health 8.2 The student will apply health concepts and skills to the management of personal and family health. Key concepts/skills include a) the risks associated with gang-related activities; b) the benefits of using resistance, problem-solving, and decision-making skills for resolving health issues; c) the importance of developing relationships that are positive and promote wellness; d) the benefits of developing and implementing short- and long-term health and fitness goals that are achievable and purposeful.
IS8.6.2 Define online harassment	b) practicing courtesy and respect for the rights of others c) practicing responsibility, accountability, and self-reliance		
IS8.6.3 Identify and discuss laws governing harassment online	d) practicing respect for the law		

Objective 7 Homeland Security

Internet Safety Objectives	Civics and Economics		Other Course Objectives
IS8.7.1 Review definitions of hacking, Internet terrorism, and malicious code (i.e. viruses and worms)	CE.4 The student will demonstrate knowledge of personal character traits that facilitate thoughtful and effective participation in civic life by c) practicing responsibility, accountability, and self-reliance d) practicing respect for the law		
IS7.7.2 Integrate knowledge of terms to identify and comprehend the utilization of the Internet in Cyber terrorism and internet warfare	CE.4 The student will demonstrate knowledge of personal character traits that facilitate thoughtful and effective participation in civic life by c) practicing responsibility, accountability, and self-reliance d) practicing respect for the law		



Mecklenburg County Public Schools Internet Safety Cross-Curriculum Objectives 9-12 Grades (IS9-12)

Objective IS9-12.1 Internet Citizenship

Internet Safety Objectives	Keyboarding Objectives	English Objectives	Other Course Objectives
<p>IS9-12.1.1 Compare Internet to the physical community</p>	<p>6152.003 Identify Internet Safety issues and procedures for complying with acceptable use standards</p> <p>6152. 028 Obtain assistance for preparing documents via electronic and hard copy references and documentation (e.g., help screen, user's manual, ...Internet Search).</p>	<p>9.9 The student will use print, electronic databases, and online resources to access information.</p> <p>10.4 The student will read and interpret informational materials.</p> <p>10.11 The student will collect, evaluate, organize, and present information.</p> <p>f) Use technology to access information, organize ideas, and develop writing.</p> <p>11.9 The student will write, revise, and edit personal, professional, and informational correspondence to a standard acceptable in the workplace and higher education.</p> <p>e) Use technology to access information, organize ideas, and develop writing.</p> <p>12.4 The student will read and analyze a variety of informational materials, including electronic resources.</p>	<p>Health 9.5 The student will evaluate the benefits of collaboration in relation to community health and wellness initiatives. Key concepts/skills include...</p> <p>Health 10.4 The student will synthesize and evaluate available health information, products, and services for the value and potential impact on his/her well-being throughout life. Key concepts/skills include...</p> <p>Family Life 9.1 The student will trace the human growth cycle in relation to parenting skills from the prenatal period through the elderly stage.</p> <p>Math Algebra I -- Students should make connections and build relationships among algebra, arithmetic, geometry, discrete mathematics, and probability and statistics. Connections should be made to other subject areas and fields of endeavor through applications. Using manipulatives, graphing calculators, and computer applications to develop concepts should help students develop and attach meaning to abstract ideas. Throughout the study of mathematics, students should be encouraged to talk about mathematics, use the language and symbols of mathematics, communicate, discuss problems and problem solving, and develop their competence and their confidence in themselves as mathematics students</p> <p>Math Geometry -- Students should make connections and build relationships among algebra, arithmetic, geometry, discrete mathematics, and probability and statistics. Connections should be made to other subject areas and fields of endeavor through applications. Using manipulatives, graphing calculators, and computer applications to develop concepts should help students develop and attach meaning to abstract ideas. Throughout the study of mathematics, students should be encouraged to talk about mathematics,</p>

			<p>use the language and symbols of mathematics, communicate, discuss problems and problem solving, and develop their competence and their confidence in themselves as mathematics students</p> <p>Math Algebra II --Teachers should help students make connections and build relationships among algebra, arithmetic, geometry, discrete mathematics, and probability and statistics. Connections should be made to other subject areas and fields of endeavor through applications. Using manipulatives, graphing calculators, and computer applications to develop concepts should help students develop and attach meaning to abstract ideas. Throughout the study of mathematics, students should be encouraged to talk about mathematics, use the language and symbols of mathematics, communicate, discuss problems and problem solving, and develop their competence and their confidence in themselves as mathematics students.</p>
<p>IS9-12.1.2 Identify and discuss Internet terminology, with detail to specific concepts:</p>	<p>6152.028 Obtain assistance for preparing documents via electronic and hard copy references and documentation (e.g., help screen, user's manual, ...Internet Search).</p>	<p>9.2 f Use grammatically correct language, including vocabulary appropriate to the topic, audience, and purpose</p> <p>9.4 e Extend general and specialized vocabulary through speaking, reading, and writing</p> <p>9.9 The student will use print, electronic databases, and online resources to access information.</p> <p>10.1 d Use grammatically correct language, including vocabulary appropriate to the topic, audience, and purpose</p> <p>11.4 c Apply concepts and use vocabulary in informational and technical materials to complete a task</p> <p>12.4 b Recognize and apply specialized informational vocabulary</p>	<p>Health 10.4 The student will synthesize and evaluate available health information, products, and services for the value and potential impact on his/her well-being throughout life. Key concepts/skills include...</p> <p>Family Life 9.14 The student will begin to identify educational and career goals.</p> <p>Math Geometry G.2 The student will use pictorial representations, including computer software, constructions, and coordinate methods, to solve problems involving symmetry and transformation. This will include a) investigating and using formulas for finding distance, midpoint, and slope; b) investigating symmetry and determining whether a figure is symmetric with respect to a line or a point; and c) determining whether a figure has been translated, reflected, or rotated.</p> <p>Math Geometry G. 6 The student, given information concerning the lengths of sides and/or measures of angles, will apply the triangle inequality properties to determine whether a triangle exists and to order sides and angles. These concepts will be considered in the context of practical situations.</p> <p>Math Geometry G. 7 The student will solve practical problems involving right triangles by using the Pythagorean Theorem, properties of special right triangles, and right triangle trigonometry. Solutions will be expressed in radical form or as decimal approximations.</p>

			<p>Math Geometry G. 9 The student will use measures of interior and exterior angles of polygons to solve problems. Tessellations and tiling problems will be used to make connections to art, construction, and nature.</p> <p>Math Geometry G. 10 The student will investigate and solve practical problems involving circles, using properties of angles, arcs, chords, tangents, and secants. Problems will include finding arc length and area of a sector, and may be drawn from applications of architecture, art, and construction.</p> <p>Math Geometry G.12 The student will make a model of a three-dimensional figure from a two-dimensional drawing and make a two-dimensional representation of a three-dimensional object. Models and representations will include scale drawings, perspective drawings, blueprints, or computer simulations.</p> <p>Math Algebra II.1 The student will use matrix multiplication to solve practical problems. Graphing calculators or computer programs with matrix capabilities will be used to find the product</p> <p>Math Algebra II.12 The student will represent problem situations with a system of linear equations and solve the system, using the inverse matrix method. Graphing calculators or computer programs with matrix capability will be used to perform computations.</p> <p>All math courses should be able to work this objective into the curriculum</p>
IS9-12.1.2.1 Email (i.e. attachments, forward, reply, browse)		<p>9.6 The student will develop narrative, expository, and informational writings to inform, explain, analyze, or entertain.</p> <ol style="list-style-type: none"> a) Generate, gather, and organize ideas for writing. b) Plan and organize writing to address a specific audience and purpose. c) Communicate clearly the purpose of the writing. d) Write clear, varied sentences. e) Use specific vocabulary and information. f) Arrange paragraphs into a logical progression. g) Revise writing for clarity. h) Proofread and prepare final product for intended audience and purpose. 	

		<p>9.7 The student will edit writing for correct grammar, capitalization, punctuation, spelling, sentence structure, and paragraphing.</p> <p>a) Use and apply rules for the parts of a sentence, including subject/verb, direct/indirect object, and predicate nominative/predicate adjective.</p> <p>b) Use parallel structures across sentences and paragraphs.</p> <p>c) Use appositives, main clauses, and subordinate clauses.</p> <p>d) Use commas and semicolons to distinguish and divide main and subordinate clauses.</p>	
IS9-12.1.2.2	Messaging abbreviations (i.e. kpid, keep parents in dark)	12.4 b Recognize and apply specialized informational vocabulary	
IS9-12.1.2.3	Search engine names (i.e. dogpile, google, yahoo, etc.)	<p>9.9 The student will use print, electronic databases, and online resources to access information.</p> <p>10.11 The student will collect, evaluate, organize, and present information.</p> <p>f) Use technology to access information, organize ideas, and develop writing.</p> <p>11.9 The student will write, revise, and edit personal, professional, and informational correspondence to a standard acceptable in the workplace and higher education.</p> <p>e) Use technology to access information, organize ideas, and develop writing.</p> <p>12.4 The student will read and analyze a variety of informational materials, including electronic resources.</p>	<p>Health</p> <p>10.4 The student will synthesize and evaluate available health information, products, and services for the value and potential impact on his/her well-being throughout life. Key concepts/skills include...</p> <p>Family Life</p> <p>9.14 The student will begin to identify educational and career goals.</p>
IS9-12.1.2.4	Search criteria (i.e. and, or, use of quotations with terms, etc)	<p>9.9 The student will use print, electronic databases, and online resources to access information.</p> <p>10.11 The student will collect, evaluate, organize, and present information.</p> <p>f) Use technology to access information, organize ideas, and develop writing.</p> <p>11.9 The student will write, revise, and</p>	<p>Health</p> <p>10.4 The student will synthesize and evaluate available health information, products, and services for the value and potential impact on his/her well-being throughout life. Key concepts/skills include...</p>

		<p>edit personal, professional, and informational correspondence to a standard acceptable in the workplace and higher education.</p> <p>e) Use technology to access information, organize ideas, and develop writing.</p> <p>12.4 The student will read and analyze a variety of informational materials, including electronic resources.</p>	
IS9-12.1.2.5	Online Resources (i.e. porta portal, etc)	6152.023 Key and format research-related documents including outlines, bibliographies, and manuscripts.	<p>Health 10.4 The student will synthesize and evaluate available health information, products, and services for the value and potential impact on his/her well-being throughout life. Key concepts/skills include...</p> <p>Family 9.12 The student will explain the transmission and prevention of the AIDS virus.</p> <p>Family 10.16 The student will compile a list of community agencies and resources available to assist individuals and families.</p> <p>Math Algebra II.11 The student will use matrix multiplication to solve practical problems. Graphing calculators or computer programs with matrix capabilities will be used to find the product.</p> <p>Math Algebra II.12 The student will represent problem situations with a system of linear equations and solve the system, using the inverse matrix method. Graphing calculators or computer programs with matrix capability will be used to perform computations.</p>
IS9-12.1.3	Identify and discuss Internet social issues, such as online identities and pornography	6152.033 Create a portfolio containing representative samples of student work.	<p>9.4 The student will read and analyze a variety of informational materials (manuals, textbooks, business letters, newspapers, brochures, reports, catalogs) and nonfiction materials, including journals, essays, speeches, biographies, and autobiographies.</p> <p>c) Synthesize information from sources and apply it in written and oral presentations.</p> <p>9.6 The student will develop narrative, expository, and</p> <p>Family 9.7 The student will interpret the effects and prevention of sexual assault, rape (including "date rape"), incestuous behavior, and molestation.</p> <p>Family 9.11 The student will demonstrate knowledge of pregnancy prevention and disease control.</p> <p>Family 9.12 The student will explain the transmission and prevention of the AIDS virus.</p> <p>Family 10.16 The student will compile a list of community agencies and</p>

		<p>informational writings to inform, explain, analyze, or entertain.</p> <p>9.7 The student will edit writing for correct grammar, capitalization punctuation, spelling, sentence, structure, and paragraphing.</p> <p>11.8a The student will edit writing for correct grammar, capitalization, punctuation, spelling, sentence structure, and paragraphing.</p> <p>a) Use a style manual, such as that of the Modern Language Association (MLA) or the American Psychological Association (APA), for producing research projects.</p>	resources available to assist individuals and families.
IS9-12.1.4	Classify appropriate vs. inappropriate online interactions	<p>9.9 The student will use print, electronic databases, and online resources to access information.</p> <p>10.4 The student will read and interpret informational materials.</p> <p>a) Analyze and apply the information contained in warranties, contracts, job descriptions, technical descriptions, and other informational sources, including labels, warnings, manuals, directions, applications, and forms, to complete specific tasks.</p> <p>b) Skim manuals or informational sources to locate information.</p> <p>c) Compare and contrast product information contained in advertisements with that found in instruction manuals and warranties.</p>	

Objective IS9-12.2 Internet Security

Internet Safety Objectives	Keyboarding Objectives	English Objectives	Other Course Objectives
IS9-12.2.1 Define terminology, including malicious code, virus, worm, Trojan horse, identity theft	6152.003 Identify Internet Safety issues and procedures for complying with acceptable use standards	<p>9.2 f Use grammatically correct language, including vocabulary appropriate to the topic, audience, and purpose</p> <p>9.4 e Extend general and specialized vocabulary through speaking, reading, and writing</p> <p>10.1 d Use grammatically correct language, including vocabulary appropriate to the topic, audience, and purpose</p>	<p>Health</p> <p>9.4 The student will review and apply the decision-making process.</p> <p>Health</p> <p>10.4 The student will synthesize and evaluate available health information, products, and services for the value and potential impact on his/her well-being throughout life. Key concepts/skills include...</p> <p>Family</p> <p>9.7 The student will interpret the effects and prevention of sexual assault, rape (including "date rape"), incestuous behavior, and molestation.</p>

		11.4 c Apply concepts and use vocabulary in informational and technical materials to complete a task	Family 9.10 The student will demonstrate understanding of specific health issues, including the ability to conduct particular self-examinations.
		12.4 b Recognize and apply specialized informational vocabulary	Family 9.11 The student will demonstrate knowledge of pregnancy prevention and disease control. Government 12 The student will demonstrate knowledge of the role of the United States in a changing world by a) describing the responsibilities of the national government for foreign policy and national security; b) assessing the role played by national interest in shaping foreign policy and promoting world peace; c) examining the relationship of Virginia and the United States to the global economy; d) examining recent foreign policy and international trade initiatives since 1980.
IS9-12.2.2	Discuss Internet security issues, with details on specific threats and consequences of the following:	6152.003 Identify Internet Safety issues and procedures for complying with acceptable use standards	
IS9-12.2.2.1	Web Design		
IS9-12.2.2.2	Online Payment Systems		
IS9-12.2.2.3	Computer Viruses, Trojan Horses, Worms, Hacking, etc.		
IS9-12.2.3	Identify methods for maintaining security	6152.003 Identify Internet Safety issues and procedures for complying with acceptable use standards	Government 12 The student will demonstrate knowledge of the role of the United States in a changing world by a) describing the responsibilities of the national government for foreign policy and national security; b) assessing the role played by national interest in shaping foreign policy and promoting world peace; c) examining the relationship of Virginia and the United States to the global economy; d) examining recent foreign policy and international trade initiatives since 1980.

Objective IS9-12.3 Personal Safety

Internet Safety Objectives	Keyboarding Objectives	English Objectives	Other Course Objectives
IS9-12.3.1 Review key concepts associated with responsible and safe Internet choices	6152.003 Identify Internet Safety issues and procedures for complying with acceptable	9.9 The student will use print, electronic databases, and online resources to access	Health 9.5 The student will review the nature and purposes of dating.

<p>and behaviors as they pertain to the following:</p>	<p>use standards</p> <p>6152.033 Create a portfolio containing representative samples of student work.</p>	<p>information.</p> <p>10.4 The student will read and interpret informational materials.</p> <p>10.11 The student will collect, evaluate, organize, and present information.</p> <p>f) Use technology to access information, organize ideas, and develop writing.</p> <p>11.9 The student will write, revise, and edit personal, professional, and informational correspondence to a standard acceptable in the workplace and higher education.</p> <p>e) Use technology to access information, organize ideas, and develop writing.</p> <p>12.4 The student will read and analyze a variety of informational materials, including electronic resources.</p>	<p>Health</p> <p>10.5 The student will recognize the need to abstain from premarital sexual intercourse.</p> <p>Family Life – ALL SOLs</p>
<p>IS9-12.3.1.1 Providing personal information</p>		<p>7.1 The student will give and seek information in conversations, in group discussions, and in oral presentations.</p> <p>a) Use oral vocabulary and style appropriate for listeners.</p> <p>b) Communicate ideas and information orally in an organized and succinct manner.</p> <p>c) Ask probing questions to seek elaboration and clarification of ideas.</p> <p>d) Make supportive statements to communicate agreement with or acceptance of others' ideas.</p> <p>e) Use grammatically correct language and vocabulary appropriate to audience, topic, and purpose.</p> <p>7.8 The student will develop narrative, expository, and persuasive writing.</p> <p>a) Apply knowledge of prewriting strategies.</p> <p>b) Elaborate the central idea in an organized manner.</p> <p>c) Choose vocabulary and information that will create voice and tone.</p> <p>d) Use clauses and phrases to vary sentences.</p>	<p>9.2 The student will make planned oral presentations.</p> <p>a) Include definitions to increase clarity.</p> <p>b) Use relevant details to support main ideas.</p> <p>c) Illustrate main ideas through anecdotes and examples.</p> <p>d) Cite information sources.</p> <p>e) Make impromptu responses to questions about presentation.</p> <p>f) Use grammatically correct language, including vocabulary appropriate to the topic, audience, and purpose.</p>

			<p>e) Revise writing for clarity and effect.</p> <p>f) Use a word processor to plan, draft, revise, edit, and publish selected writings.</p>	
IS9-12.3.1.2	Selecting screen names and passwords			
IS9-12.3.1.3	Choosing online communication methods			
IS9-12.3.1.4	Securing online privacy		<p>7.7 The student will apply knowledge of appropriate reference materials.</p> <p>a) Use print and electronic sources to locate information in books and articles.</p> <p>b) Use graphic organizers to organize information.</p> <p>c) Synthesize information from multiple sources.</p> <p>d) Credit primary and secondary sources</p>	<p>Health</p> <p>9.4 The student will review and apply the decision-making process.</p> <p>Health</p> <p>10.4 The student will synthesize and evaluate available health information, products, and services for the value and potential impact on his/her well-being throughout life. Key concepts/skills include...</p>
IS9-12.3.2	Compare safe sites vs. unsafe sites, identifying examples of each	6152.003 Identify Internet Safety issues and procedures for complying with acceptable use standards	<p>9.9 The student will use print, electronic databases, and online resources to access information.</p> <p>10.4 The student will read and interpret informational materials.</p> <p>10.11 The student will collect, evaluate, organize, and present information.</p> <p>f) Use technology to access information, organize ideas, and develop writing.</p> <p>11.9 The student will write, revise, and edit personal, professional, and informational correspondence to a standard acceptable in the workplace and higher education.</p> <p>e) Use technology to access information, organize ideas, and develop writing.</p> <p>12.4 The student will read and analyze a variety of informational materials, including electronic resources.</p>	<p>Health</p> <p>9.4 The student will review and apply the decision-making process.</p> <p>Health</p> <p>10.4 The student will synthesize and evaluate available health information, products, and services for the value and potential impact on his/her well-being throughout life. Key concepts/skills include...</p> <p>Family Life – ALL SOLs</p>

Objective IS9-12.4 Intellectual Property

Internet Safety Objectives	Keyboarding Objectives	English Objectives	Other Course Objectives
IS9-12.4.1 Define Property	6152.003 Identify Internet Safety issues and procedures for complying with acceptable use standards	<p>9.8 The student will credit the sources of both quoted and paraphrased ideas.</p> <p>a) Define the meaning and consequences of plagiarism.</p> <p>b) Distinguish one's own ideas from information created or discovered by others.</p> <p>c) Use a style sheet, such as that of the Modern Language Association (MLA) or the American Psychological Association (APA), for citing sources.</p> <p>10.8 The student will edit writing for correct grammar, capitalization, punctuation, spelling, sentence structure, and paragraphing.</p> <p>a) Use a style manual, such as that of the Modern Language Association (MLA) or the American Psychological Association (APA), to apply rules for punctuation and formatting of direct quotations.</p> <p>b) Apply rules governing use of the colon.</p> <p>c) Distinguish between active and passive voice.</p> <p>11.10 The student will analyze, evaluate, synthesize, and organize information from a variety of sources to produce a research product.</p> <p>f) Document sources of information, using a style sheet, such as that of the Modern Language Association (MLA) or the American Psychological Association (APA).</p> <p>12.8 e Cite Sources of information, using a standard method of documentation, such as that of the Modern Language Association (MLA) or the American Psychological Association (APA)</p>	<p>Math Computer Math.1 The student will apply programming techniques and skills to solve practical problems in mathematics arising from consumer, business, personal finance, leisure activities, sports, probability and statistics, and other applications in mathematics. Problems will include opportunities for students to analyze data in charts, graphs, and tables and to use their knowledge of equations, formulas, and functions to solve these problems.</p> <p>Math Computer Math.2 The student will design, write, test, debug, and document a program. Programming documentation will include pre-conditions and post-conditions of program segments, input/output specifications, the step-by-step plan, the test data, a sample run, and the program listing with appropriately placed comments.</p> <p>Math Computer Math.3 The student will write program specifications that define the constraints of a given problem. These specifications will include descriptions of pre-conditions, post-conditions, the desired output, analysis of the available input, and an indication as to whether or not the problem is solvable under the given conditions.</p> <p>Math Computer Math.4 The student will design a step-by-step plan (algorithm) to solve a given problem. The plan will be in the form of a program flowchart, pseudo code, hierarchy chart, and/or data-flow diagram.</p> <p>Math Computer Math.5 The student will divide a given problem into manageable sections (modules) by task and implement the solution. The modules will include an appropriate user-defined function, subroutines, and procedures. Enrichment topics might include user-defined libraries (units) and object-oriented programming.</p> <p>Math Computer Math.9 The student will define simple variable data types that include integer, real (fixed and scientific notation), character, string, and Boolean.</p> <p>Math Computer Math.10 The student will use appropriate variable data types, including integer, real (fixed and scientific notation), character, string, and Boolean. This will also include variables representing structured data types.</p> <p>Math Computer Math.11 The student will describe the way the computer stores, accesses, and processes variables,</p>

			<p>including the following topics: the use of variables versus constants, variables addresses, pointers, parameter passing, scope of variables, and local versus global variables.</p> <p>Math Computer Math.12 The student will translate a mathematical expression into a computer statement, which involves writing assignment statements and using the order of operations.</p> <p>Math Computer Math.13 The student will select and implement built-in (library) functions in processing data.</p> <p>Math Computer Math.14 The student will implement conditional statements that include "if/then" statements, "if/then/else" statements, case statements, and Boolean logic.</p> <p>Math Computer Math.15 The student will implement loops, including iterative loops. Other topics will include single entry point, single exit point, pre-conditions, and post-conditions.</p> <p>Math Computer Math.16 The student will select and implement appropriate data structures, including arrays (one-dimensional and/or multidimensional), files, and records. Implementation will include creating the data structure, putting information into the structure, and retrieving information from the structure.</p> <p>Math Computer Math.20 The student will design, write, test, debug, and document a complete structured program that requires the synthesis of many of the concepts contained in previous standards.</p>
IS9-12.4.2 Define Intellectual Property	6152.003 Identify Internet Safety issues and procedures for complying with acceptable use standards		<p>Math Computer Math.1 The student will apply programming techniques and skills to solve practical problems in mathematics arising from consumer, business, personal finance, leisure activities, sports, probability and statistics, and other applications in mathematics. Problems will include opportunities for students to analyze data in charts, graphs, and tables and to use their knowledge of equations, formulas, and functions to solve these problems.</p> <p>Math Computer Math.2 The student will design, write, test, debug, and document a program. Programming documentation will include pre-conditions and post-conditions of program segments, input/output specifications, the step-by-step plan, the test data, a sample run, and the program listing with appropriately placed comments.</p> <p>Math Computer Math.3 The student will write program specifications</p>

			<p>that define the constraints of a given problem. These specifications will include descriptions of pre-conditions, post-conditions, the desired output, analysis of the available input, and an indication as to whether or not the problem is solvable under the given conditions.</p> <p>Math Computer Math.4 The student will design a step-by-step plan (algorithm) to solve a given problem. The plan will be in the form of a program flowchart, pseudo code, hierarchy chart, and/or data-flow diagram.</p> <p>Math Computer Math.5 The student will divide a given problem into manageable sections (modules) by task and implement the solution. The modules will include an appropriate user-defined function, subroutines, and procedures. Enrichment topics might include user-defined libraries (units) and object-oriented programming.</p> <p>Math Computer Math.9 The student will define simple variable data types that include integer, real (fixed and scientific notation), character, string, and Boolean.</p> <p>Math Computer Math.10 The student will use appropriate variable data types, including integer, real (fixed and scientific notation), character, string, and Boolean. This will also include variables representing structured data types.</p> <p>Math Computer Math.11 The student will describe the way the computer stores, accesses, and processes variables, including the following topics: the use of variables versus constants, variables addresses, pointers, parameter passing, scope of variables, and local versus global variables.</p> <p>Math Computer Math.12 The student will translate a mathematical expression into a computer statement, which involves writing assignment statements and using the order of operations.</p> <p>Math Computer Math.13 The student will select and implement built-in (library) functions in processing data.</p> <p>Math Computer Math.14 The student will implement conditional statements that include "if/then" statements, "if/then/else" statements, case statements, and Boolean logic.</p> <p>Math Computer Math.15 The student will implement loops, including iterative loops. Other topics will include single entry point, single exit point, pre-conditions, and post-conditions.</p> <p>Math</p>
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			<p>Computer Math.16 The student will select and implement appropriate data structures, including arrays (one-dimensional and/or multidimensional), files, and records. Implementation will include creating the data structure, putting information into the structure, and retrieving information from the structure.</p> <p>Math Computer Math.20 The student will design, write, test, debug, and document a complete structured program that requires the synthesis of many of the concepts contained in previous standards.</p> <p>Math Probability and Statistics.1 The student will analyze graphical displays of data, including dot plots, stem plots, and histograms, to identify and describe patterns and departures from patterns, using central tendency, spread, clusters, gaps, and outliers. Appropriate technology will be used to create graphical displays.</p> <p>Math Probability and Statistics.3 The student will compare distributions of two or more univariate data sets, analyzing center and spread (within group and between group variations), clusters and gaps, shapes, outliers, or other unusual features. Appropriate technology will be used to generate graphical displays.</p> <p>Math Probability and Statistics.4 The student will analyze scatter plots to identify and describe the relationship between two variables, using shape; strength of relationship; clusters; positive, negative, or no association; outliers; and influential points. Appropriate technology will be used to generate scatter plots and identify outliers and influential points.</p> <p>Math Probability and Statistics.5 The student will find and interpret linear correlation, use the method of least squares regression to model the linear relationship between two variables, and use the residual plots to assess linearity. Appropriate technology will be used to compute correlation coefficients and residual plots.</p> <p>Math Probability and Statistics.8 The student will describe the methods of data collection in a census, sample survey, experiment, and observational study and identify an appropriate method of solution for a given problem setting.</p> <p>Math Probability and Statistics.9 The student will plan and conduct a survey. The plan will address sampling techniques (e.g., simple random and stratified) and methods to reduce bias.</p> <p>Math Probability and Statistics.10 The student will plan and conduct</p>
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				<p>an experiment. The plan will address control, randomization, and measurement of experimental error.</p> <p>Math Probability and Statistics.15 The student will simulate probability distributions, including binomial and geometric.</p>
IS9-12.4.3	Review Definition of Copyright	6152.003 Identify Internet Safety issues and procedures for complying with acceptable use standards	12.8 e Cite Sources of information, using a standard method of documentation, such as that of the Modern Language Association (MLA) or the American Psychological Association (APA)	<p>Health 9.4 The student will review and apply the decision-making process.</p> <p>Health 10.4 The student will synthesize and evaluate available health information, products, and services for the value and potential impact on his/her well-being throughout life. Key concepts/skills include...</p>
IS9-12.4.4	Review Definition of Plagiarism	6152.003 Identify Internet Safety issues and procedures for complying with acceptable use standards	12.8 e Cite Sources of information, using a standard method of documentation, such as that of the Modern Language Association (MLA) or the American Psychological Association (APA)	<p>Health 10.4 The student will synthesize and evaluate available health information, products, and services for the value and potential impact on his/her well-being throughout life. Key concepts/skills include...</p>
IS9-12.4.5	Identify and discuss laws governing intellectual property	6152.003 Identify Internet Safety issues and procedures for complying with acceptable use standards		<p>Health 9.4 The student will review and apply the decision-making process.</p> <p>Government 12 The student will demonstrate knowledge of the role of the United States in a changing world by</p> <ol style="list-style-type: none"> describing the responsibilities of the national government for foreign policy and national security; assessing the role played by national interest in shaping foreign policy and promoting world peace; examining the relationship of Virginia and the United States to the global economy; examining recent foreign policy and international trade initiatives since 1980. <p>Math Computer Math.1 The student will apply programming techniques and skills to solve practical problems in mathematics arising from consumer, business, personal finance, leisure activities, sports, probability and statistics, and others applications in mathematics. Problems will include opportunities for students to analyze data in charts, graphs, and tables and to use their knowledge of equations, formulas, and functions to solve these problems.</p> <p>Math Computer Math.2 The student will design, write, test, debug, and document a program. Programming documentation will include pre-conditions and post-conditions of program segments, input/output specifications, the step-by-step plan, the test data, a sample run, and the program listing with appropriately placed comments.</p>

			<p>Math Computer Math.3 The student will write program specifications that define the constraints of a given problem. These specifications will include descriptions of pre-conditions, post-conditions, the desired output, analysis of the available input, and an indication as to whether or not the problem is solvable under the given conditions.</p> <p>Math Computer Math.4 The student will design a step-by-step plan (algorithm) to solve a given problem. The plan will be in the form of a program flowchart, pseudo code, hierarchy chart, and/or data-flow diagram.</p> <p>Math Computer Math.5 The student will divide a given problem into manageable sections (modules) by task and implement the solution. The modules will include an appropriate user-defined function, subroutines, and procedures. Enrichment topics might include user-defined libraries (units) and object-oriented programming.</p> <p>Math Computer Math.9 The student will define simple variable data types that include integer, real (fixed and scientific notation), character, string, and Boolean.</p> <p>Math Computer Math.10 The student will use appropriate variable data types, including integer, real (fixed and scientific notation), character, string, and Boolean. This will also include variables representing structured data types.</p> <p>Math Computer Math.11 The student will describe the way the computer stores, accesses, and processes variables, including the following topics: the use of variables versus constants, variables addresses, pointers, parameter passing, scope of variables, and local versus global variables.</p> <p>Math Computer Math.12 The student will translate a mathematical expression into a computer statement, which involves writing assignment statements and using the order of operations.</p> <p>Math Computer Math.13 The student will select and implement built-in (library) functions in processing data.</p> <p>Math Computer Math.14 The student will implement conditional statements that include "if/then" statements, "if/then/else" statements, case statements, and Boolean logic.</p> <p>Math Computer Math.15 The student will implement loops, including iterative loops. Other topics will include single entry point, single exit point, pre-conditions, and post-conditions.</p>
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Objective IS9-12.5 Cyber Bullying

Internet Safety Objectives		Keyboarding Objectives		English Objectives	Other Course Objectives
IS9-12.5.1	Expand definition of Cyber bullying to include Internet stalking	6152.003	Identify Internet Safety issues and procedures for complying with acceptable use standards		<p>Health 9.1 The student will apply health knowledge and skills to the development and analysis of personal goals to achieve and maintain long-term health and well-being. Key concepts/skills include...</p> <p>Health 10.2 The student will analyze, synthesize, and evaluate the protective factors related to achieving and maintaining a sound mind and healthy body throughout life. Key concepts/skills include...</p> <p>Health 10.3 The student will implement personal injury prevention and self-management strategies that promote personal, family, and community health throughout life. Key concepts/skills include....</p> <p>Family 9.13 The student will identify the effects of discrimination.</p>
IS9-12.5.2	Define online harassment	6152.003	Identify Internet Safety issues and procedures for complying with acceptable use standards		<p>Health 9.1 The student will apply health knowledge and skills to the development and analysis of personal goals to achieve and maintain long-term health and well-being. Key concepts/skills include...</p> <p>Health 10.2 The student will analyze, synthesize, and evaluate the protective factors related to achieving and maintaining a sound mind and healthy body throughout life. Key concepts/skills include...</p> <p>Health 10.3 The student will implement personal injury prevention and self-management strategies that promote personal, family,</p>

			and community health throughout life. Key concepts/skills include.... Family 9.13 The student will identify the effects of discrimination.
IS9-12.5.3	Identify and discuss laws governing harassment online	6152.003	Identify Internet Safety issues and procedures for complying with acceptable use standards
			Health 9.1 The student will apply health knowledge and skills to the development and analysis of personal goals to achieve and maintain long-term health and well-being. Key concepts/skills include... Health 10.2 The student will analyze, synthesize, and evaluate the protective factors related to achieving and maintaining a sound mind and healthy body throughout life. Key concepts/skills include... Health 10.3 The student will implement personal injury prevention and self-management strategies that promote personal, family, and community health throughout life. Key concepts/skills include....

Objective IS9-12.6 Homeland Security

Internet Safety Objectives		Keyboarding Objectives		English Objectives	Other Course Objectives
IS9-12.6.1	Review definitions of hacking, Cyber terrorism, and malicious code (ie. Viruses and Worms)	6152.003	Identify Internet Safety issues and procedures for complying with acceptable use standards		Government 12 The student will demonstrate knowledge of the role of the United States in a changing world by a) describing the responsibilities of the national government for foreign policy and national security; b) assessing the role played by national interest in shaping foreign policy and promoting world peace; c) examining the relationship of Virginia and the United States to the global economy; d) examining recent foreign policy and international trade initiatives since 1980.
IS9-12.6.2	Identify and comprehend the utilization of the Internet in Cyber terrorism and internet warfare	6152.003	Identify Internet Safety issues and procedures for complying with acceptable use standards		Government 12 The student will demonstrate knowledge of the role of the United States in a changing world by a) describing the responsibilities of the national government for foreign policy and national security; b) assessing the role played by national interest in shaping foreign policy and promoting world peace; c) examining the relationship of Virginia and the United States to the global economy; d) examining recent foreign policy and international trade initiatives since 1980.

			Health 10.3 The student will implement personal injury prevention and self-management strategies that promote personal, family, and community health throughout life. Key concepts/skills include....
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Objective IS9-12.7 Predator Identification

Internet Safety Objectives		Keyboarding Objectives		English Objectives	Other Course Objectives
IS9-12.7.1	Review definition of Internet Predators	6152.003	Identify Internet Safety issues and procedures for complying with acceptable use standards		Family Life 9.3 The student will recognize the development of sexuality as an aspect of the total personality. Health 10.4 The student will synthesize and evaluate available health information, products, and services for the value and potential impact on his/her well-being throughout life. Key concepts/skills include...
IS9-12.7.2	Identify key characteristics of Internet predators	6152.003	Identify Internet Safety issues and procedures for complying with acceptable use standards		Health 10.3 The student will implement personal injury prevention and self-management strategies that promote personal, family, and community health throughout life. Key concepts/skills include.... Family Life 9.3 The student will recognize the development of sexuality as an aspect of the total personality.
IS9-12.7.3	Discuss the grooming process of Internet predators	6152.003	Identify Internet Safety issues and procedures for complying with acceptable use standards		Health 10.2 The student will analyze, synthesize, and evaluate the protective factors related to achieving and maintaining a sound mind and healthy body throughout life. Key concepts/skills include... Family Life 9.3 The student will recognize the development of sexuality as an aspect of the total personality.
IS9-12.7.4	Identify proactive techniques to reduce risks of becoming the victim of an Internet predator	6152.003	Identify Internet Safety issues and procedures for complying with acceptable use standards		Health 10.2 The student will analyze, synthesize, and evaluate the protective factors related to achieving and maintaining a sound mind and healthy body throughout life. Key concepts/skills include... Family Life 9.3 The student will recognize the development of sexuality as an aspect of the total personality.