



Elevate TN Crosswalk of Practices

Elevate TN Course Name: CyberSmart

Sub-part: CS 101: What is Cybersecurity?

Discipline/Subject	General Practice
English/Language Arts	<p>Language:</p> <ul style="list-style-type: none"> ● Developing a strong academic vocabulary and emphasize strategies for continued vocabulary growth; ● Opportunity to access increasingly complex texts; ● Verify their constructed meaning with reference material and confirm their inferences; ● Distinguish main ideas from subordinating ideas; ● Know the speaker’s or writer’s focus; ● Draw on content knowledge to determine the connotative meanings of words that rely on allusions to previously learned material; ● Think flexibly about communicating a range of ideas effectively. <p>Reading:</p> <ul style="list-style-type: none"> ● Make inferences in increasingly complex text and logically explain their thinking behind the inferences; ● Determine central ideas of texts, unpack the development of the ideas, and summarize key aspects of a text to show the relationship between the details and the central ideas; ; ● Assess how point of view, perspective, and purpose impact the development of a text; Integrate and evaluate content in diverse media formats and analyze the impact on a text; Evaluate arguments and trace the key points; ● Analyze ideas across texts and time; ● Build knowledge from content-rich nonfiction; <p>Speaking and Listening:</p> <ul style="list-style-type: none"> ● Effectively integrate information from appropriate diverse formats; ● Evaluate a speaker’s point of view <p>Writing:</p> <ul style="list-style-type: none"> ● Recognize and write in various modes, for different purposes, including to support and sustain an opinion or argument, to inform, and to express and reflect; ● Understand the relationship among writing task, purpose, and audience; ● Use technology to communicate effectively and to produce and publish writing; ● Understand writing can be used to answer questions, and participate in short- and long-term research and inquiry projects; ● Use evidence to support claims and convey ideas in

	<p>writing;</p> <ul style="list-style-type: none"> ● Integrate and synthesize others' ideas into writing; and
Mathematics	<ul style="list-style-type: none"> ● Reason abstractly and quantitatively ● Construct viable arguments and critique the reasoning of others. ● Look for and express regularity in repeated reasoning.
Science/Engineering	<ul style="list-style-type: none"> ● Planning and carrying out controlled investigations. ● Analyzing and interpreting data. ● Constructing explanations and designing solutions. ● Engaging in argument from evidence. ● Obtaining, evaluating, and communicating information.

Sub-part: CS 102: Network Fundamentals

Discipline/Subject	General Practice
English/Language Arts	<p>Language:</p> <ul style="list-style-type: none"> ● Developing a strong academic vocabulary and emphasize strategies for continued vocabulary growth; ● Opportunity to access increasingly complex texts; ● Verify their constructed meaning with reference material and confirm their inferences; ● Distinguish main ideas from subordinating ideas; ● Know the speaker's or writer's focus; ● Draw on content knowledge to determine the connotative meanings of words that rely on allusions to previously learned material; <p>Reading:</p> <ul style="list-style-type: none"> ● Determine central ideas of texts, unpack the development of the ideas, and summarize key aspects of a text to show the relationship between the details and the central ideas; ● Build knowledge from content-rich nonfiction; <p>Speaking and Listening:</p> <ul style="list-style-type: none"> ● Effectively integrate information from appropriate diverse formats; ● Evaluate a speaker's point of view; and <p>Writing:</p> <ul style="list-style-type: none"> ● Recognize and write in various modes, for different purposes, including to support and sustain an opinion or argument, to inform, and to express and reflect; ● Understand the relationship among writing task, purpose, and audience; ● Understand writing can be used to answer questions, and participate in short- and long-term research and inquiry projects; ● Use evidence to support claims and convey ideas in writing; ● Integrate and synthesize others' ideas into writing;

Mathematics	<ul style="list-style-type: none"> ● Reason abstractly and quantitatively ● Construct viable arguments and critique the reasoning of others. ● Look for and express regularity in repeated reasoning.
Science/Engineering	<ul style="list-style-type: none"> ● Constructing explanations and designing solutions. ● Engaging in argument from evidence. ● Obtaining, evaluating, and communicating information.

Sub-part: CS 103: Internet Security

Discipline/Subject	General Practice
English/Language Arts	<p>Language:</p> <ul style="list-style-type: none"> ● Developing a strong academic vocabulary and emphasize strategies for continued vocabulary growth; ● Think flexibly about communicating a range of ideas effectively. <p>Reading:</p> <ul style="list-style-type: none"> ● Determine central ideas of texts, unpack the development of the ideas, and summarize key aspects of a text to show the relationship between the details and the central ideas; ● ; Integrate and evaluate content in diverse media formats and analyze the impact on a text; Evaluate arguments and trace the key points; ● Build knowledge from content-rich nonfiction; <p>Speaking and Listening:</p> <ul style="list-style-type: none"> ● Effectively integrate information from appropriate diverse formats; ● Evaluate a speaker's point of view; and <p>Writing:</p> <ul style="list-style-type: none"> ● Recognize and write in various modes, for different purposes, including to support and sustain an opinion or argument, to inform, and to express and reflect; ● Understand writing can be used to answer questions, and participate in short- and long-term research and inquiry projects; ● Use evidence to support claims and convey ideas in writing;
Mathematics	<ul style="list-style-type: none"> ● Reason abstractly and quantitatively ● Construct viable arguments and critique the reasoning of others. ● Look for and express regularity in repeated reasoning.
Science/Engineering	<ul style="list-style-type: none"> ● Constructing explanations and designing solutions. ● Engaging in argument from evidence. ● Obtaining, evaluating, and communicating information.

Sub-part: CS 104: Digital Citizenship

Discipline/Subject	General Practice
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English/Language Arts	<p>Language:</p> <ul style="list-style-type: none"> • <p>Reading:</p> <ul style="list-style-type: none"> • Determine central ideas of texts, unpack the development of the ideas, and summarize key aspects of a text to show the relationship between the details and the central ideas; • Evaluate arguments and trace the key points; • Build knowledge from content-rich nonfiction; <p>Speaking and Listening:</p> <ul style="list-style-type: none"> • Effectively integrate information from appropriate diverse formats; • Evaluate a speaker’s point of view <p>Writing:</p> <ul style="list-style-type: none"> • Recognize and write in various modes, for different purposes, including to support and sustain an opinion or argument, to inform, and to express and reflect; • Understand writing can be used to answer questions, and participate in short- and long-term research and inquiry projects;
Mathematics	<ul style="list-style-type: none"> • Reason abstractly and quantitatively • Construct viable arguments and critique the reasoning of others
Science/Engineering	<ul style="list-style-type: none"> • Constructing explanations and designing solutions. • Engaging in argument from evidence. • Obtaining, evaluating, and communicating information.

Sub-part: CS 105: Cyber Incidents

Discipline/Subject	General Practice
English/Language Arts	<p>Language:</p> <ul style="list-style-type: none"> • Verify their constructed meaning with reference material and confirm their inferences; • Distinguish main ideas from subordinating ideas; • Know the speaker’s or writer’s focus; • Draw on content knowledge to determine the connotative meanings of words that rely on allusions to previously learned material; <p>Reading:</p> <ul style="list-style-type: none"> • Determine central ideas of texts, unpack the development of the ideas, and summarize key aspects of a text to show the relationship between the details and the central ideas; • Build knowledge from content-rich nonfiction; <p>Speaking and Listening:</p> <ul style="list-style-type: none"> • Effectively integrate information from appropriate diverse formats; • Evaluate a speaker’s point of view; and • Make strategic use of digital media. <p>Writing:</p>

	<ul style="list-style-type: none"> ● Recognize and write in various modes, for different purposes, including to support and sustain an opinion or argument, to inform, and to express and reflect; ● Use technology to communicate effectively and to produce and publish writing; ● Understand writing can be used to answer questions, and participate in short- and long-term research and inquiry projects; ● Use evidence to support claims and convey ideas in writing;
Mathematics	<ul style="list-style-type: none"> ● Construct viable arguments and critique the reasoning of others. ● Look for and express regularity in repeated reasoning.
Science/Engineering	<ul style="list-style-type: none"> ● Analyzing and interpreting data. ● Constructing explanations and designing solutions. ● Engaging in argument from evidence. ● Obtaining, evaluating, and communicating information.

Sub-part: CS 106: Information Literacy

Discipline/Subject	General Practice
English/Language Arts	<p>Language:</p> <ul style="list-style-type: none"> ● Verify their constructed meaning with reference material and confirm their inferences; ● Distinguish main ideas from subordinating ideas; ● Know the speaker’s or writer’s focus; ● Think flexibly about communicating a range of ideas effectively. <p>Reading:</p> <ul style="list-style-type: none"> ● Make inferences in increasingly complex text and logically explain their thinking behind the inferences; ● Determine central ideas of texts, unpack the development of the ideas, and summarize key aspects of a text to show the relationship between the details and the central ideas; ● Build knowledge from content-rich nonfiction; ● Consider alternate and opposing interpretations of text. <p>Speaking and Listening:</p> <ul style="list-style-type: none"> ● Effectively integrate information from appropriate diverse formats; ● Evaluate a speaker’s point of view; and ● Make strategic use of digital media. <p>Writing:</p> <ul style="list-style-type: none"> ● Recognize and write in various modes, for different purposes, including to support and sustain an opinion or argument, to inform, and to express and reflect; ● Understand the relationship among writing task, purpose, and audience; ● Use technology to communicate effectively and to produce and publish writing;

	<ul style="list-style-type: none"> • Understand writing can be used to answer questions, and participate in short- and long-term research and inquiry projects; • Use evidence to support claims and convey ideas in writing; • Integrate and synthesize others' ideas into writing
Mathematics	<ul style="list-style-type: none"> • Make sense of problems and persevere in solving them • Reason abstractly and quantitatively • Construct viable arguments and critique the reasoning of others. • Look for and express regularity in repeated reasoning.
Science/Engineering	<ul style="list-style-type: none"> • Asking questions (for science) and defining problems (for engineering). • Developing and using models. • Planning and carrying out controlled investigations. • Analyzing and interpreting data. • Constructing explanations and designing solutions. • Engaging in argument from evidence. • Obtaining, evaluating, and communicating information.

Sub-part: CS 107: Information Protection Fundamentals

Discipline/Subject	General Practice
English/Language Arts	<ul style="list-style-type: none"> • Developing a strong academic vocabulary and emphasize strategies for continued vocabulary growth • Distinguish main ideas from subordinating ideas • Determine central ideas of texts, unpack the development of the ideas, and summarize key aspects of a text to show the relationship between the details and the central ideas • Build knowledge from content-rich nonfiction • Effectively integrate information from appropriate diverse formats • Make strategic use of digital media • Understand writing can be used to answer questions, and participate in short- and long-term research and inquiry projects • Use technology to communicate effectively and to produce and publish writing • Use evidence to support claims and convey ideas in writing
Mathematics	
Science/Engineering	<ul style="list-style-type: none"> • Obtaining, evaluating, and communicating information • Engaging in argument from evidence • Analyzing and interpreting data (mostly from additional resources)

Sub-part: CS 108: Threat Analysis

Discipline/Subject	General Practice
English/Language Arts	<ul style="list-style-type: none">• Distinguish main ideas from subordinating ideas• Know how to organize the various clauses within a sentence to communicate clearly• Think flexibly about communicating a range of ideas effectively• Make inferences in increasingly complex text and logically explain their thinking behind the inferences• Determine central ideas of texts, unpack the development of the ideas, and summarize key aspects of a text to show the relationship between the details and the central ideas• Assess how point of view, perspective, and purpose impact the development of a text• Build knowledge from content-rich nonfiction• Understand writing occurs through a process, and utilize a process that includes planning, revising, editing, and rewriting• Use technology to communicate effectively and to produce and publish writing• Use evidence to support claims and convey ideas in writing• Make strategic use of digital media
Mathematics	<ul style="list-style-type: none">• Reason abstractly and quantitatively• Model with mathematics• Attend to precision• Look for and express regularity in repeated reasoning
Science/Engineering	<ul style="list-style-type: none">• Developing and using models• Analyzing and interpreting data• Using mathematics and computational thinking• Constructing explanations and designing solutions• Engaging in argument from evidence

Sub-part: CS 109: Don't Be a Fraud!

Discipline/Subject	General Practice
English/Language Arts	<ul style="list-style-type: none">• Developing a strong academic vocabulary and emphasize strategies for continued vocabulary growth• Know the speaker's or writer's focus• Draw on content knowledge to determine the connotative meanings of words that rely on allusions to previously learned material• Make inferences in increasingly complex text and logically explain their thinking behind the inferences• Determine central ideas of texts, unpack the development of the ideas, and summarize key aspects of a text to show the relationship between the details and the central ideas• Make strategic use of digital media• Use technology to communicate effectively and to produce

	<p>and publish writing</p> <ul style="list-style-type: none"> • Understand writing can be used to answer questions, and participate in short- and long-term research and inquiry projects • Use evidence to support claims and convey ideas in writing
Mathematics	
Science/Engineering	<ul style="list-style-type: none"> • Analyzing and interpreting data • Constructing explanations and designing solutions • Engaging in argument from evidence

Sub-part: CS 110: Digital Forensics

Discipline/Subject	General Practice
English/Language Arts	<ul style="list-style-type: none"> • Developing a strong academic vocabulary and emphasize strategies for continued vocabulary growth • Opportunity to access increasingly complex texts • Distinguish main ideas from subordinating ideas • Make inferences in increasingly complex text and logically explain their thinking behind the inferences • Build knowledge from content-rich nonfiction • Make strategic use of digital media • Recognize and write in various modes, for different purposes, including to support and sustain an opinion or argument, to inform, and to express and reflect • Use evidence to support claims and convey ideas in writing
Mathematics	
Science/Engineering	<ul style="list-style-type: none"> • Planning and carrying out controlled investigations • Analyzing and interpreting data • Constructing explanations and designing solutions • Obtaining, evaluating, and communicating information

Sub-part: CS 111: Cybersecurity Career Pathways

Discipline/Subject	General Practice
English/Language Arts	<ul style="list-style-type: none"> • Opportunity to access increasingly complex texts • Make inferences in increasingly complex text and logically explain their thinking behind the inferences • Build knowledge from content-rich nonfiction • Effectively integrate information from appropriate diverse formats • Make strategic use of digital media
Mathematics	<ul style="list-style-type: none"> • Reason abstractly and quantitatively • Model with mathematics

Science/Engineering	<ul style="list-style-type: none"> ● Using mathematics and computational thinking ● Constructing explanations and designing solutions ● Obtaining, evaluating, and communicating information
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Sub-part: CS 112: Teach Others Cybersafety!

Discipline/Subject	General Practice
English/Language Arts	<ul style="list-style-type: none"> ● Developing a strong academic vocabulary and emphasize strategies for continued vocabulary growth ● Opportunity to access increasingly complex texts ● Acquire command of language in environments rich in listening, speaking, reading, and writing opportunities ● Make inferences in increasingly complex text and logically explain their thinking behind the inferences ● Determine central ideas of texts, unpack the development of the ideas, and summarize key aspects of a text to show the relationship between the details and the central ideas ● Participate in a range of conversations and collaborations with varied partners, building on others' ideas and expressing their own clearly and persuasively ● Present information/ideas formally and informally in such a way that others can follow a line of reasoning ● Effectively integrate information from appropriate diverse formats ● Make strategic use of digital media ● Recognize and write in various modes, for different purposes, including to support and sustain an opinion or argument, to inform, and to express and reflect ● Use technology to communicate effectively and to produce and publish writing ● Use evidence to support claims and convey ideas in writing ● Write often to develop fluency, confidence, and stamina
Mathematics	<ul style="list-style-type: none"> ● Reason abstractly and quantitatively ● Model with mathematics
Science/Engineering	<ul style="list-style-type: none"> ● Developing and using models ● Analyzing and interpreting data ● Obtaining, evaluating, and communicating information