

TOWNSHIP OF UNION PUBLIC SCHOOLS



Honors Corporate Internship Updated December 18, 2018

Mission Statement

The mission of the Township of Union Public Schools is to build on the foundations of honesty, excellence, integrity, strong family, and community partnerships. We promote a supportive learning environment where every student is challenged, inspired, empowered, and respected as diverse learners. Through cultivation of students' intellectual curiosity, skills and knowledge, our students can achieve academically and socially, and contribute as responsible and productive citizens of our global community.

Philosophy Statement

The Township of Union Public School District, as a societal agency, reflects democratic ideals and concepts through its educational practices. It is the belief of the Board of Education that a primary function of the Township of Union Public School System is to formulate a learning climate conducive to the needs of all students in general, providing therein for individual differences. The school operates as a partner with the home and community.

Statement of District Goals

- Develop reading, writing, speaking, listening, and mathematical skills.
- Develop a pride in work and a feeling of self-worth, self-reliance, and self- discipline.
- Acquire and use the skills and habits involved in critical and constructive thinking.
- Develop a code of behavior based on moral and ethical principles.
- Work with others cooperatively.
- Acquire a knowledge and appreciation of the historical record of human achievement and failures and current societal issues.
- Acquire a knowledge and understanding of the physical and biological sciences.
- Participate effectively and efficiently in economic life and the development of skills to enter a specific field of work.
- Appreciate and understand literature, art, music, and other cultural activities.
- Develop an understanding of the historical and cultural heritage.
- Develop a concern for the proper use and/or preservation of natural resources.
- Develop basic skills in sports and other forms of recreation.

Course Description

This course provides students with a virtual work environment in which they assume the role of intern for a corporation called “Corporate View.” Students work independently, as well as cooperatively, developing skills in communication, research, and business decision-making, using office tools and integrated software. This curriculum will enable the students to complete corporate-level work assignments, creating a portfolio that will document their level of competency and computer literacy expertise.

The goal of “Corporate View” is to encourage teamwork and cooperation at all levels, increase the technical skills of its employees, and enhance communications among “Corporate View” business units, departments and teams.

Recommended Resources

Barksdale, Karl. Corporate View Management and Human Resources. Cincinnati, OH: South-Western Educational Publishing.

Barksdale, Karl and Michael Rutter. Corporate View Orientation. Cincinnati, OH: South-Western Educational Publishing.

Barksdale, Karl and Michael Rutter. Corporate View Orientation Instructor's Guide . Cincinnati, OH: South-Western Educational Publishing.

<https://hechingerreport.org/teacher-voice>

<https://blog.prepscholar.com/job>

<https://www.pbs.org/>

<https://www.forbes.com/>

Curriculum Units

Unit 1: Orientation

Unit 2: Human Resources and Corporate Communications

Unit 3: Research and Development

Unit 4: Marketing, Sales, and Customer Support

Unit 5: Finance, Legal Services, Information Technology

Unit 6: Final Project

Pacing Guide

Content	Number of Days
Unit One:	40
Unit Two:	28
Unit Three:	25
Unit Four:	40
Unit Five:	38
Unit Six:	9

New Jersey Student Learning Standards

21st Century Life and Careers

- **9.1 Personal Financial Literacy**

This standard outlines the important fiscal knowledge, habits, and skills that must be mastered in order for students to make informed decisions about personal finance. Financial literacy is an integral component of a student's college and career readiness, enabling students to achieve fulfilling, financially-secure, and successful careers.

- **9.2 Career Awareness, Exploration, and Preparation**

This standard outlines the importance of being knowledgeable about one's interests and talents, and being well informed about postsecondary and career options, career planning, and career requirements.

- **9.3 Career and Technical Education**

This standard outlines what students should know and be able to do upon completion of a CTE Program of Study.

Unit One: Orientation

	Student Learning Objectives	Resources	NJSLS
1	Define internship, portfolio, mentor, and internship skills.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
2	Define “packaging yourself,” extroverts, introverts, intuitive people, and work ethic.	Textbooks, Resources Links,	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
3	Describe effective teams, team work, team rules, team effectiveness, and team assessment.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
4	Determine the correct format for a business letter using the Corporate View style guide.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
5	Describe the characteristics, attitudes, and behaviors of successful teams.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
6	Define problems with the CF4000SE, determine ways to resolve them, and address criticisms of the product.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2

Unit Two: Human Resources & Corporate Communication

	Student Learning Objectives	Resources	NJSLS
1	Describe human resources and the functions performed	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
2	Plan a corporate dinner and create a flyer for it	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
3	Define skills required when hiring new employees	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
4	Define corporate communications	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
5	Define and write general, specific, and detailed press releases	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
6	Examine diversity in the workplace and prepare a presentation on a selected topic	Textbooks, Resources Links,	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2

Unit Three: Research & Development

	Student Learning Objectives	Resources	NJSLS
1	Create five new products for three different Corporate View strategic business units (TeleView, RetailView, PublishView, MediView, MoneyView, and/or TravelView).	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
2	Create a new cell phone, including a calling plan, and specification sheet.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
3	Create a usability report for the new cell phone.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
4	Write a general press release for the new phone.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
5	Write a corporate policy addressing the dress code for the company and create a presentation to introduce it.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2

Unit Four: Marketing, Sales, & Customer Support

	Student Learning Objectives	Resources	NJSLS
1	Describe marketing, sales, and customer support.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
2	Define strategies, market trends, and niche markets.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
3	Describe a white paper, summarize its main points, identify implications, audience, and purpose.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
4	Describe a survey, its purpose, and the	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-

	essential parts of it.		5; 9.2.12 C.1-2
5	Describe the creative process of a print ad.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
6	Describe how to create a billboard.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
7	Create a script and record a 30-second radio spot for the new cell phone to be aired on Z100	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
8	Develop a contest to promote the new cell phone	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
9	Use MovieMaker to create a one-minute TV commercial for the new cell phone	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2

Unit Five: Finance, Legal Services, & Information Technology

	Student Learning Objectives	Resources	NJSLS
1	Describe finance and accounting.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
2	Create a white paper detailing how the use of one of the Big Four firms could improve Corporate View's tax situation.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
3	Describe stock ownership and explain how corporate stock works.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
4	Describe the importance of professional development and plan a business trip to an	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2

	accounting seminar.		
5	Describe the function of legal services.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
6	Analyze state constitutions with regard to laws governing corporations.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
7	Evaluate the impact of the law on four Corporate View mission critical functions.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
8	Describe patents and copyright laws.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
9	Define IT (information technology) and the function it serves.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
10	Describe outsourcing and provide examples of which Corporate View functions could be outsourced.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
11	Research different careers available in IT and create a job description.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2

Unit Six: Final Project

	Student Learning Objectives	Resources	NJSLS
1	Describe the benefits offered by Corporate View for new employees, or students can complete option # 2 (see below)	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2
2	Create a travel brochure for any country in the world for Corporate View's Travel View SBU.	Textbooks, Resources Links	9.1.12 A.1, 3; 9.1.12. B2-5; 9.2.12 C.1-2

Resource Links

<https://hechingerreport.org/teacher-voice>

<https://blog.prepscholar.com/job>

<https://www.pbs.org/>

<https://www.forbes.com/>

Career Ready Practices

Career Ready Practices describe the career-ready skills that all educators in all content areas should seek to develop in their students. They are practices that have been linked to increase college, career, and life success. Career Ready Practices should be taught and reinforced in all career exploration and preparation programs with increasingly higher levels of complexity and expectation as a student advances through a program of study.

- CRP1.** Act as a responsible and contributing citizen and employee.
- CRP2.** Apply appropriate academic and technical skills. **CRP3.** Attend to personal health and financial well-being. **CRP4.** Communicate clearly and effectively and with reason.
- CRP5.** Consider the environmental, social and economic impacts of decisions.
- CRP6.** Demonstrate creativity and innovation.
- CRP7.** Employ valid and reliable research strategies.
- CRP8.** Utilize critical thinking to make sense of problems and persevere in solving them.
- CRP9.** Model integrity, ethical leadership and effective management.
- CRP10.** Plan education and career paths aligned to personal goals.
- CRP11.** Use technology to enhance productivity.
- CRP12.** Work productively in teams while using cultural global competence.

CRP1. Act as a responsible and contributing citizen and employee

Career-ready individuals understand the obligations and responsibilities of being a member of a community, and they demonstrate this understanding every day through their interactions with others. They are conscientious of the impacts of their decisions on others and the environment around them. They think about the near-term and long-term consequences of their actions and seek to act in ways that contribute to the betterment of their teams, families, community and workplace. They are reliable and consistent in going beyond the minimum expectation and in participating in activities that serve the greater good.

CRP2. Apply appropriate academic and technical skills.

Career-ready individuals readily access and use the knowledge and skills acquired through experience and education to be more productive. They make connections between abstract concepts with real-world applications, and they make correct insights about

when it is appropriate to apply the use of an academic skill in a workplace situation

CRP3. Attend to personal health and financial well-being.

Career-ready individuals understand the relationship between personal health, workplace performance and personal well-being; they act on that understanding to regularly practice healthy diet, exercise and mental health activities. Career-ready individuals also take regular action to contribute to their personal financial well-being, understanding that personal financial security provides the peace of mind required to contribute more fully to their own career success.

CRP4. Communicate clearly and effectively and with reason.

Career-ready individuals communicate thoughts, ideas, and action plans with clarity, whether using written, verbal, and/or visual methods. They communicate in the workplace with clarity and purpose to make maximum use of their own and others' time. They are excellent writers; they master conventions, word choice, and organization, and use effective tone and presentation skills to articulate ideas. They are skilled at interacting with others; they are active listeners and speak clearly and with purpose. Career-ready individuals think about the audience for their communication and prepare accordingly to ensure the desired outcome.

CRP5. Consider the environmental, social and economic impacts of decisions.

Career-ready individuals understand the interrelated nature of their actions and regularly make decisions that positively impact and/or mitigate negative impact on other people, organization, and the environment. They are aware of and utilize new technologies, understandings, procedures, materials, and regulations affecting the nature of their work as it relates to the impact on the social condition, the environment and the profitability of the organization.

CRP6. Demonstrate creativity and innovation.

Career-ready individuals regularly think of ideas that solve problems in new and different ways, and they contribute those ideas in a useful and productive manner to improve their organization. They can consider unconventional ideas and suggestions as solutions to issues, tasks or problems, and they discern which ideas and suggestions will add greatest value. They seek new methods, practices, and ideas from a variety of sources and seek to apply those ideas to their own workplace. They take action on their ideas and understand how to bring innovation to an organization.

2014 New Jersey Core Curriculum Content Standards - Technology

Content Area		Technology	
Standard		8.1 Educational Technology: All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaborate and to create and communicate knowledge.	
Strand		A. Technology Operations and Concepts: <i>Students demonstrate a sound understanding of technology concepts, systems and operations.</i>	
Grade Level bands	Content Statement Students will:	Indicator	Indicator
9-12	Understand and use technology systems.	8.1.12.A.1	Create a personal digital portfolio which reflects personal and academic interests, achievements, and career aspirations by using a variety of digital tools and resources.
	Select and use applications effectively and productively.	8.1.12.A.2	Produce and edit a multi-page digital document for a commercial or professional audience and present it to peers and/or professionals in that related area for review.
		8.1.12.A.3	Collaborate in online courses, learning communities, social networks or virtual worlds to discuss a resolution to a problem or issue.
		8.1.12.A.4	Construct a spreadsheet workbook with multiple worksheets, rename tabs to reflect the data on the worksheet, and use mathematical or logical functions, charts and data from all worksheets to convey the results.
		8.1.12.A.5	Create a report from a relational database consisting of at least two tables and describe the process, and explain the report results.
Content Area		Technology	
Standard		8.1 Educational Technology: All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaborate and to create and communicate knowledge.	
Strand		B. Creativity and Innovation: <i>Students demonstrate creative thinking, construct knowledge and develop innovative products and process using technology.</i>	
Grade	Content Statement	Indicator	Indicator

Level bands	Students will:		
9-12		8.1.12.B.2	Apply previous content knowledge by creating and piloting a digital learning game or tutorial.
Content Area	Technology		
Standard	8.1 Educational Technology: All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaborate and to create and communicate knowledge.		
Strand	C. Communication and Collaboration: <i>Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.</i>		
Grade Level bands	Content Statement	Indicator	Indicator
9-12		8.1.12.C.1	Develop an innovative solution to a real world problem or issue in collaboration with peers and experts, and present ideas for feedback through social media or in an online community.
Content Area	Technology		
Standard	8.1 Educational Technology: All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaborate and to create and communicate knowledge.		
Strand	D. Digital Citizenship: <i>Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.</i>		
Grade Level bands	Content Statement	Indicator	Indicator
9-12	Advocate and practice safe, legal, and responsible use of information and technology.	8.1.12.D.1	Demonstrate appropriate application of copyright, fair use and/or Creative Commons to an original work.
	Demonstrate personal responsibility for lifelong learning.	8.1.12.D.2	Evaluate consequences of unauthorized electronic access (e.g., hacking) and disclosure, and on dissemination of personal information.

		8.1.12.D.3	Compare and contrast policies on filtering and censorship both locally and globally.
	Exhibit leadership for digital citizenship.	8.1.12.D.4	Research and understand the positive and negative impact of one's digital footprint.
		8.1.12.D.5	Analyze the capabilities and limitations of current and emerging technology resources and assess their potential to address personal, social, lifelong learning, and career needs.
Content Area		Technology	
Standard		8.1 Educational Technology: All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaborate and to create and communicate knowledge.	
Strand		E: Research and Information Fluency: <i>Students apply digital tools to gather, evaluate, and use information.</i>	
Grade Level bands	Content Statement	Indicator	Indicator
9-12	Students will: Plan strategies to guide inquiry. Locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media. Evaluate and select information sources and digital tools based on the appropriateness for specific tasks. Process data and report results.	8.1.12.E.1	Produce a position statement about a real world problem by developing a systematic plan of investigation with peers and experts synthesizing information from multiple sources.
		8.1.12.E.2	Research and evaluate the impact on society of the unethical use of digital tools and present your research to peers.
Content Area		Technology	
Standard		8.1 Educational Technology: All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaborate and to create and communicate knowledge.	
Strand		F: Critical thinking, problem solving, and decision making: <i>Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.</i>	

Grade Level bands	Content Statement Students will:	Indicator	Indicator
9-12	Identify and define authentic problems and significant questions for investigation. Plan and manage activities to develop a solution or complete a project. Collect and analyze data to identify solutions and/or make informed decisions. Use multiple processes and diverse perspectives to explore alternative solutions.	8.1.12.F.1	Evaluate the strengths and limitations of emerging technologies and their impact on educational, career, personal and or social needs.

2014 New Jersey Core Curriculum Content Standards - Technology

Content Area		Technology	
Standard		8.2 Technology Education, Engineering, Design, and Computational Thinking - Programming: All students will develop an understanding of the nature and impact of technology, engineering, technological design, computational thinking and the designed world as they relate to the individual, global society, and the environment.	
Strand		A. The Nature of Technology: Creativity and Innovation <i>Technology systems impact every aspect of the world in which we live.</i>	
Grade Level bands	Content Statement Students will be able to understand:	Indicator	Indicator
9-12	The characteristics and scope of technology.	8.2.12.A.1	Propose an innovation to meet future demands supported by an analysis of the potential full costs, benefits, trade-offs and risks, related to the use of the innovation.
	The core concepts of technology.	8.2.12.A.2	Analyze a current technology and the resources used, to identify the trade-offs in terms of availability, cost, desirability and waste.

	The relationships among technologies and the connections between technology and other fields of study.	8.2.12.A.3	Research and present information on an existing technological product that has been repurposed for a different function.
Content Area	Technology		
Standard	8.2 Technology Education, Engineering, Design, and Computational Thinking - Programming: All students will develop an understanding of the nature and impact of technology, engineering, technological design, computational thinking and the designed world as they relate to the individual, global society, and the environment.		
Strand	B. Technology and Society: <i>Knowledge and understanding of human, cultural and societal values are fundamental when designing technological systems and products in the global society.</i>		
Grade Level bands	Content Statement Students will be able to understand:	Indicator	Indicator
9-12	The cultural, social, economic and political effects of technology.	8.2.12.B.1	Research and analyze the impact of the design constraints (specifications and limits) for a product or technology driven by a cultural, social, economic or political need and publish for review.
	The effects of technology on the environment.	8.2.12.B.2	Evaluate ethical considerations regarding the sustainability of environmental resources that are used for the design, creation and maintenance of a chosen product.
	The role of society in the development and use of technology.	8.2.12.B.3	Analyze ethical and unethical practices around intellectual property rights as influenced by human wants and/or needs.
	The influence of technology on history.	8.2.12.B.4	Investigate a technology used in a given period of history, e.g., stone age, industrial revolution or information age, and identify their impact and how they may have changed to meet human needs and wants.
		8.2.12.B.5	Research the historical tensions between environmental and economic considerations as driven by human needs and wants in the development of a technological product, and present the competing viewpoints to peers for review.
Content Area	Technology		

Standard		8.2 Technology Education, Engineering, Design, and Computational Thinking - Programming: All students will develop an understanding of the nature and impact of technology, engineering, technological design, computational thinking and the designed world as they relate to the individual, global society, and the environment.	
Strand		C. Design: <i>The design process is a systematic approach to solving problems.</i>	
Grade Level bands	Content Statement	Indicator	Indicator
	Students will be able to understand:		
9-12	The attributes of design.	8.2.12.C.1	Explain how open source technologies follow the design process.
		8.2.12.C.2	Analyze a product and how it has changed or might change over time to meet human needs and wants.
	The application of engineering design.	8.2.12.C.3	Analyze a product or system for factors such as safety, reliability, economic considerations, quality control, environmental concerns, manufacturability, maintenance and repair, and human factors engineering (ergonomics).
		8.2.12.C.4	Explain and identify interdependent systems and their functions.
		8.2.12.C.5	Create scaled engineering drawings of products both manually and digitally with materials and measurements labeled.
	The role of troubleshooting, research and development, invention and innovation and experimentation in problem solving.	8.2.12.C.6	Research an existing product, reverse engineer and redesign it to improve form and function.
		8.2.12.C.7	Use a design process to devise a technological product or system that addresses a global problem, provide research, identify trade-offs and constraints, and document the process through drawings that include data and materials.
Content Area	Technology		
Standard		8.2 Technology Education, Engineering, Design, and Computational Thinking - Programming: All students will develop an understanding of the nature and impact of technology, engineering, technological design, computational thinking and the designed world as they relate to the individual, global society, and the environment.	
Strand		D. Abilities for a Technological World: <i>The designed world is the product of a design process that provides the means to convert resources into products and systems.</i>	
Grade	Content Statement	Indicator	Indicator

Level bands	Students will understand how to:		
9-12	Apply the design process.	8.2.12.D.1	Design and create a prototype to solve a real world problem using a design process, identify constraints addressed during the creation of the prototype, identify trade-offs made, and present the solution for peer review.
		8.2.12.D.2	Write a feasibility study of a product to include: economic, market, technical, financial, and management factors, and provide recommendations for implementation.
	Use and maintain technological products and systems.	8.2.12.D.3	Determine and use the appropriate resources (e.g., CNC (Computer Numerical Control) equipment, 3D printers, CAD software) in the design, development and creation of a technological product or system.
	Assess the impact of products and systems.	8.2.12.D.4	Assess the impacts of emerging technologies on developing countries.
		8.2.12.D.5	Explain how material processing impacts the quality of engineered and fabricated products.
		8.2.12.D.6	Synthesize data, analyze trends and draw conclusions regarding the effect of a technology on the individual, society, or the environment and publish conclusions.
Content Area	Technology		
Standard	8.2 Technology Education, Engineering, Design, and Computational Thinking - Programming: All students will develop an understanding of the nature and impact of technology, engineering, technological design, computational thinking and the designed world as they relate to the individual, global society, and the environment.		
Strand	E. Computational Thinking: Programming: <i>Computational thinking builds and enhances problem solving, allowing students to move beyond using knowledge to creating knowledge.</i>		
Grade Level bands	Content Statement Students will be able to understand:	Indicator	Indicator
9-12	Computational thinking and computer	8.2.12.E.1	Demonstrate an understanding of the problem-solving capacity of computers in our world.

programming as tools used in design and engineering.	8.2.12.E.2	Analyze the relationships between internal and external computer components.
	8.2.12.E.3	Use a programming language to solve problems or accomplish a task (e.g., robotic functions, website designs, applications, and games).
	8.2.12.E.4	Use appropriate terms in conversation (e.g., troubleshooting, peripherals, diagnostic software, GUI, abstraction, variables, data types and conditional statements).

Suggested Activities/Modifications

Below are a list of suggested activities, modifications, accommodations, and enrichment opportunities. This includes, but is not limited to:

1. Activities:

<https://www.pbs.org/>

<https://www.forbes.com/>

2. English Language Learners:

- a. Read written instructions
- b. Students may be provided with note organizers/study guides to reinforce key topics.
- c. Model and provide examples
- d. Extended time on assessments when needed.
- e. Establish a non-verbal cue to redirect student when not on task.
- f. Students may use a bilingual dictionary.
- g. Pair Visual Prompts with Verbal Presentations
- h. Highlight Key Words & Phrases

3. Special Education/504 Students:

- a. Students may be provided with note organizers / study guides to reinforce key topics.
- b. Extended time on assessments when needed.

- c. Preferred seating to be determined by student and teacher.
 - d. Provide modified assessments when necessary.
 - e. Student may complete assessments in alternate setting when requested.
 - f. Establish a non-verbal cue to redirect student when not on task.
 - g. Maintain strong teacher / parent communication.
 - h. Repetition and practice
 - i. Pair Visual Prompts with Verbal Presentations
 - j. Check Use of Agenda
4. Gifted and Talented Students:
- a. Use of Higher Level Questioning Techniques
 - b. Extension/Challenge Questions
 - c. Provide Assessments at a Higher Level of Thinking

Interdisciplinary Connections/Global Perspective:

Content Workplace Readiness Skills/Standards as directed by the Core Curriculum Content Standards are infused into the curriculum.

English: Written reports & projects