

Marking Period	Unit Title	Recommended Instructional Days
1	OSHA 10	5
<p style="text-align: center;">CTE Disciplinary Concept: Design/Pre-Construction Maintenance/Operations Food Product and Processing Systems Construction Arts, A/V Technology & Communications Education & Training Early Childhood Development & Services Restaurants & Food/Beverage Services</p>		<p>Recommended Activities, Investigations, Interdisciplinary Connections, and/or Student Experiences to Explore NJSLS-CLKS within Unit</p>
<p><i>Core Ideas and Performance Expectation:</i></p> <p>Design/Pre-Construction 9.3.12.AC-DES.2 Use effective communication skills and strategies (listening, speaking, reading, writing and graphic communications) to work with clients and colleagues. 9.3.12.AC-DES.4 Apply building codes, laws and rules in the project design.</p> <p>Maintenance/Operations 9.3.12.AC-MO.1 Recognize and employ universal construction signs and symbols to function safely in the workplace 9.3.12.AC-MO.5 Plan and practice preventative maintenance activities to service existing buildings.</p> <p>Food Product and Processing Systems 9.3.12.AG-FD.1 Develop and implement procedures to ensure safety, sanitation and quality in food product and processing facilities.</p> <p>Construction</p>		

<p>9.3.12.AC-CST.5 Apply practices and procedures required to maintain jobsite safety</p> <p>Arts, A/V Technology & Communications 9.3.12.AR.2 Analyze the importance of health, safety and environmental management systems, policies and procedures common in arts, audio/video technology and communications activities and facilities.</p> <p>Education & Training 9.3.12.ED.4 Evaluate and manage risks to safety, health and the environment in education and training settings.</p> <p>Early Childhood Development & Services 9.3.HU-ED.5 Evaluate safety and sanitation procedures associated with the early childhood education environment to assure compliance and prevent potential hazards.</p> <p>Restaurants & Food/Beverage Services 9.3.HT-RFB.2 Demonstrate safety and sanitation procedures in food and beverage service facilities</p>	
<p>Life Literacy & Key Skills Disciplinary Concept: Creativity and Innovation Digital Citizenship Information and Media Literacy</p>	
<p><i>Core Ideas and Performance Expectation:</i></p> <p>Creativity and Innovation <i>Innovative ideas or innovation can lead to career opportunities.</i> 9.4.12.CI.3: Investigate new challenges and opportunities for personal growth, advancement, and transition (e.g., 2.1.12.PGD.1).</p>	<p><u>Essential Question/s:</u> Why is it important to practice safety? What do safe practices look like in my industry? How can I keep myself and others safe?</p> <p><u>Activity Description:</u></p>

<p>Digital Citizenship <i>Laws govern many aspects of computing, such as privacy, data, property, information, and identity. These laws can have beneficial and harmful effects, such as expediting or delaying advancements in computing and protecting or infringing upon people's rights.</i> 9.4.12.DC.3: Evaluate the social and economic implications of privacy in the context of safety, law, or ethics (e.g., 6.3.12.HistoryCA.1).</p> <p>Information and Media Literacy <i>Advanced search techniques can be used with digital and media resources to locate information and to check the credibility and the expertise of sources to answer questions, solve problems, and inform the decision-making.</i> 9.4.12.IML.2: Evaluate digital sources for timeliness, accuracy, perspective, credibility of the source, and relevance of information, in media, data, or other resources (e.g., NJSLA.W8, Social Studies Practice: Gathering and Evaluating Sources).</p>	<p>Activity: Safety Consequences Brainstorm</p> <ul style="list-style-type: none"> • Divide students into small groups • Each group brainstorms potential consequences of not following safety procedures in various workplace scenarios • Groups present their findings to the class • Discuss the physical, emotional, and financial impacts of workplace accidents <p>Activity: Industry-Specific Safety Poster Creation</p> <ul style="list-style-type: none"> • Assign different industries to student groups (construction, healthcare, manufacturing, etc.) • Students research OSHA standards for their assigned industry • Create informative posters highlighting key safety practices for that industry • Present posters to the class, explaining the rationale behind each safety practice
<p>Career Awareness, Exploration, Preparation, & Training Disciplinary Concept: Career Awareness and Planning</p>	<p>Activity: Safety Hazard Identification Walk</p> <ul style="list-style-type: none"> • Conduct a supervised walk through the school, or a simulated workplace • Students identify potential safety hazards and suggest mitigation strategies • Discuss the importance of speaking up about safety concerns • Practice using proper communication techniques for reporting hazards
<p>Core Ideas and Performance Expectation:</p> <p>Career Awareness and Planning <i>There are strategies to improve one's professional value and marketability.</i> 9.2.12.CAP.2: Develop college and career readiness skills by participating in opportunities such as structured learning experiences, apprenticeships, and dual enrollment programs. 9.2.12.CAP.3: Investigate how continuing education contributes to one's career and personal growth.</p> <p><i>Career planning requires purposeful planning based on research, self-knowledge, and informed choices.</i> 9.2.12.CAP.6: Identify transferable skills in career choices and design alternative career plans based on those skills. 9.2.12.CAP.7: Use online resources to examine licensing, certification, and credentialing requirements at the local, state, and national levels to maintain compliance with industry requirements in areas of career interest.</p>	<p>Activity: Guest Speaker Q&A</p> <ul style="list-style-type: none"> • Invite a local safety professional or someone who has experienced a workplace injury • Students prepare questions in advance about the importance of workplace safety • Conduct a Q&A session, allowing students to understand real-world implications of safety practices <p>Activity: Safety Equipment Demonstration</p> <ul style="list-style-type: none"> • Bring in various pieces of personal protective equipment (PPE) • Demonstrate proper use and maintenance of PPE

<p>9.2.12.CAP.8: Determine job entrance criteria (e.g., education credentials, math/writing/reading comprehension tests, drug tests) used by employers in various industry sectors.</p>	<ul style="list-style-type: none"> • Students practice putting on and taking off PPE correctly • Discuss scenarios where each piece of equipment would be necessary
<p>Personal Financial Literacy Disciplinary Concept:</p>	<p>Activity: Safety Scenario Role-Play</p>
	<ul style="list-style-type: none"> • Create cards with different workplace safety scenarios • Students act out the scenarios, demonstrating both unsafe and safe behaviors
<p>Social and Emotional Learning: Competencies and Sub-Competencies</p>	<ul style="list-style-type: none"> • Class discusses the differences and potential outcomes of each approach • Emphasize the importance of looking out for coworkers' safety as well as one's own
<p>Self-Awareness</p> <ul style="list-style-type: none"> • Recognize one's feelings and thoughts • Recognize the impact of one's feelings and thoughts on one's own behavior • Recognize one's personal traits, strengths, and limitations • Recognize the importance of self-confidence in handling daily tasks and challenges <p>Self-Management</p> <ul style="list-style-type: none"> • Understand and practice strategies for managing one's own emotions, thoughts, and behaviors • Recognize the skills needed to establish and achieve personal and educational goals • Identify and apply ways to persevere or overcome barriers through alternative methods to achieve one's goals <p>Social Awareness</p> <ul style="list-style-type: none"> • Recognize and identify the thoughts, feelings, and perspectives of others • Demonstrate an awareness of the differences among individuals, groups, and others' cultural backgrounds • Demonstrate an understanding of the need for mutual respect when viewpoints differ • Demonstrate an awareness of the expectations for social interactions in a variety of settings. <p>Responsible Decision-Making</p>	<p>Activity: Safety Statistics Analysis</p> <ul style="list-style-type: none"> • Provide students with workplace injury and illness statistics from OSHA • In groups, students analyze the data and create visual representations (graphs, charts) • Present findings to the class, discussing trends and implications • Relate statistics to the importance of safety practices in reducing these numbers <p>Interdisciplinary Connections: Math ELA</p> <p>Content: Walking working surfaces Emergency action plans Fire protection Electrocution hazards Personal protective equipment Hazard communication Materials handling, storage, use and disposal.</p> <p>CLKS:</p>

<ul style="list-style-type: none"> • Develop, implement, and model effective problem-solving and critical thinking skills • Identify the consequences associated with one’s actions in order to make constructive choices • Evaluate personal, ethical, safety, and civic impact of decisions <p>Relationship Skills</p> <ul style="list-style-type: none"> • Establish and maintain healthy relationships • Utilize positive communication and social skills to interact effectively with others 	<p><i>Consider the environmental, social and economic impacts of decisions.</i> Students 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.</p> <p><i>Plan education and career paths aligned to personal goals.</i> Students take personal ownership of their own education and career goals, and they regularly act on a plan to attain these goals. They understand their own career interests, preferences, goals, and requirements. They have perspective regarding the pathways available to them and the time, effort, experience and other requirements to pursue each, including a path of entrepreneurship. They recognize the value of each step in the education and experiential process, and they recognize that nearly all career paths require ongoing education and experience. They seek counselors, mentors, and other experts to assist in the planning and execution of career and personal goals.</p>
<p style="text-align: center;">Assessments (Formative) <i>To show evidence of meeting the standard/s, students will successfully engage within:</i></p>	<p style="text-align: center;">Assessments (Summative) <i>To show evidence of meeting the standard/s, students will successfully complete:</i></p>
<p>Formative Assessments:</p> <ul style="list-style-type: none"> Teacher Observation Do Now Homework Class Participation Portfolio Discussions Quiz Journal writing Group Assessment Group Interaction/Discussion/Computer Research Self and Peer Evaluations 	<p>Benchmarks:</p> <ul style="list-style-type: none"> Quiz Exam <p>Summative Assessments:</p> <ul style="list-style-type: none"> Pre-Test Oral Presentations Projects Rubric Teacher observation Written Assessments Reflective Paper Group Presentations <p>OSHA 10 Assessment and Certificate</p>

Differentiated Student Access to Content: Teaching and Learning Resources/Materials			
Core Resources	Alternate Core Resources <i>IEP/504/At-Risk/ESL</i>	ELL Core Resources	Gifted & Talented Core Resources
<p>Tiered Content Materials: Textbooks at different reading levels (below, at, and above grade level) Simplified versions of texts with key concepts highlighted Advanced supplementary readings for accelerated learners Audio versions of texts for auditory learners or struggling readers</p> <p>Multimedia Resources: Educational videos and documentaries Interactive online modules and simulations Podcasts and audio recordings Infographics and visual aids</p> <p>Hands-On Materials: Physical manipulatives and models Lab equipment and supplies for experiments Art supplies for creative projects</p>	<p>Tiered Content Materials: Simplified versions of texts with key concepts highlighted Audio versions of texts for auditory learners or struggling readers Leveled or topical readers at different reading levels Books on tape Highlighted text</p> <p>Collaborative Learning Tools: Opportunity to work alone, in pairs, or small groups Structured group roles for small group work Peer tutoring and mentoring programs</p> <p>Individualized Options: Independent study options Compacting the curriculum for advanced learners Varied timelines or check-in points</p>	<p>Keep material concept-focused and principle-driven.</p> <p>Allow the use of digital translation or grouping students together.</p> <p>Provide multiple means of action and expression.</p>	<p>Advanced Technical Materials: Provide access to OSHA's full regulatory standards and technical manuals Offer industry white papers on emerging safety technologies and practices Share case studies of complex workplace safety incidents and their resolutions</p> <p>Project-Based Learning: Design challenges to create innovative safety solutions for real-world scenarios Independent research projects on topics like ergonomics or industrial hygiene Opportunities to develop new safety tools or technologies</p>

Building materials for engineering challenges	Choice of review activities ESL-Specific Resources: Bilingual dictionaries or glossaries Sentence frames and language scaffolds Visual supports for key vocabulary		
Supplemental Resources			
<p>Technology:</p> <ul style="list-style-type: none"> ● Laptop ● Chromebook ● SmartBoard ● Internet Access ● Projector <p>Other:</p> <ul style="list-style-type: none"> ● Plumbing materials 			
Differentiated Student Access to Content: Recommended <i>Strategies & Techniques</i>			
Core Resources	Alternate Core Resources <i>IEP/504/At-Risk/ESL</i>	ELL Core Resources	Gifted & Talented Core
Content Differentiation: Tiered content at different complexity levels Variety of textbooks at different reading levels	Content Differentiation: Simplified versions of texts with key concepts highlighted Audio versions of texts for auditory learners or struggling readers	Content Differentiation: Simplified versions of texts with key concepts highlighted Audio versions of texts for auditory learners	Content Differentiation: Advanced, above-grade level textbooks and materials Supplementary resources on complex or specialized topics

<p>Supplemental materials like videos, podcasts, and interactive modules</p> <p>Compacting curriculum for advanced learners</p> <p>Choice boards allowing students to select learning activities</p> <p>Varied resources/texts on the same topic</p> <p>Process Differentiation:</p> <p>Flexible grouping (whole group, small group, individual)</p> <p>Learning contracts tailored to student needs</p> <p>Interest centers focused on different aspects of a topic</p> <p>Varied instructional strategies (visual, auditory, kinesthetic)</p> <p>Scaffolded support like graphic organizers and writing frames</p> <p>Technology-enabled instruction (synchronous or asynchronous options)</p> <p>Product Differentiation:</p> <p>Multiple options for demonstrating learning (reports, presentations, models, etc.)</p> <p>Varied assessment methods based on student learning preferences</p> <p>Adjusting product expectations based on student readiness</p>	<p>Leveled readers at different reading levels</p> <p>Bilingual materials for ESL students</p> <p>Visual aids, infographics, and multimedia resources</p> <p>Process Differentiation:</p> <p>Flexible grouping based on readiness levels</p> <p>Scaffolded support like graphic organizers and writing frames</p> <p>Extended time for task completion</p> <p>One-on-one or small group instruction</p> <p>Use of assistive technology (text-to-speech, speech-to-text tools)</p> <p>Product Differentiation:</p> <p>Multiple options for demonstrating learning (oral presentations, projects, etc.)</p> <p>Adjusted expectations based on IEP/504 goals</p> <p>Alternative assessments aligned with student abilities</p> <p>Use of portfolios to showcase progress over time</p>	<p>Leveled readers at different reading levels</p> <p>Bilingual materials and resources¹</p> <p>Visual aids, infographics, and multimedia resources</p> <p>Modified texts with rewording, reduced extraneous information, and added visuals</p> <p>Process Differentiation:</p> <p>Flexible grouping based on language proficiency levels</p> <p>Scaffolded support like graphic organizers and writing frames</p> <p>Extended time for task completion</p> <p>One-on-one or small group instruction</p> <p>Use of gestures and total physical response to support verbal instruction</p> <p>Incorporation of students' native language or culture when possible</p> <p>Product Differentiation:</p> <p>Multiple options for demonstrating learning (oral presentations, projects, etc.)</p> <p>Adjusted expectations based on English proficiency levels</p> <p>Alternative assessments aligned with student abilities</p>	<p>Interdisciplinary curriculum connecting multiple subject areas</p> <p>Primary source documents and advanced readings</p> <p>Access to college-level coursework or materials</p> <p>Process Differentiation:</p> <p>Accelerated pacing of instruction</p> <p>Independent study options on topics of interest</p> <p>Problem-based and project-based learning opportunities</p> <p>Socratic seminars and philosophical discussions</p> <p>Mentorship programs with experts in fields of interest</p> <p>Product Differentiation:</p> <p>Open-ended, creative project options</p> <p>Real-world application of learning through authentic tasks</p> <p>Opportunities for original research and experimentation</p> <p>Multimedia presentations and publications</p> <p>Portfolio development to showcase depth of learning</p>
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<p>Learning Environment Differentiation: Flexible seating arrangements Options for individual, paired, or group work Varied time allocations for task completion Use of technology to support different learning needs</p>	<p>Learning Environment Differentiation: Flexible seating arrangements Quiet spaces for individual work Sensory tools or fidgets as needed Visual schedules and routines Specialized Supports Implementation of IEP accommodations and modifications ESL supports like sentence frames and vocabulary guides Interventions for at-risk students (e.g. reading interventions) Social-emotional learning supports Ongoing Assessment Frequent formative assessments to monitor progress Data-driven adjustments to instruction Progress monitoring aligned with IEP goals</p>	<p>Use of portfolios to showcase progress over time Learning Environment Differentiation: Flexible seating arrangements Use of learning centers or stations focused on different aspects of a topic Visual schedules and routines Incorporation of culturally relevant materials and examples Specialized Supports: ESL supports like sentence frames and vocabulary guides Use of students' native language for clarification when needed Frequent opportunities for speaking and listening practice Integration of all four language skills (listening, speaking, reading, writing) Instructional Strategies: Slowing down speech and using clear enunciation Rephrasing and clarifying instructions Using visuals to support verbal instruction Providing content in multiple formats (visual, auditory, kinesthetic)</p>	<p>Learning Environment Differentiation: Flexible grouping with intellectual peers Access to advanced technology and lab equipment Field trips and off-campus learning experiences Online courses and virtual learning options Competitions and academic challenges Specialized Supports: Critical and creative thinking skill development Training in research methods and academic writing Guidance on social-emotional needs of gifted learners College and career planning tailored to advanced learners Opportunities to explore passions and develop talents Instructional Strategies: Inquiry-based and discovery learning approaches</p>
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		<p>Connecting content to students' interests and cultural backgrounds</p> <p>Utilizing music, melodies, or songs to enhance learning</p> <p>Ongoing Assessment:</p> <p>Frequent formative assessments to monitor progress</p> <p>Data-driven adjustments to instruction</p> <p>Accommodated assessments (e.g., simplified language, added visuals)</p>	<p>Higher-order questioning techniques</p> <p>Abstract and complex problem-solving tasks</p> <p>Emphasis on depth and complexity of content</p> <p>Integration of multiple disciplines and perspectives</p> <p>Assessment Options:</p> <p>Pre-assessments to determine readiness levels</p> <p>Performance-based and authentic assessments</p> <p>Self-assessment and reflection opportunities</p> <p>Above-grade level standardized testing</p> <p>Credit by examination options</p>
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New Jersey Legislative Statutes and Administrative Code
(place an "X" before each law/statute if/when present within the curriculum map)

Amistad Law: <i>N.J.S.A. 18A 52:16A-88</i>	Holocaust Law: <i>N.J.S.A. 18A:35-28</i>	LGBT and Disabilities Law: <i>N.J.S.A. 18A:35-4.35</i>	Diversity & Inclusion: <i>N.J.S.A. 18A:35-4.36a</i>	Standards in Action: <i>Climate Change</i>	Erin's Law: <i>A-769/S-1130</i>
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Marking Period	Unit Title	Recommended Instructional Days
1	Equipment Set up and Operation	35
<p style="text-align: center;">CTE Disciplinary Concept: Architecture & Construction</p>		<p>Recommended Activities, Investigations, Interdisciplinary Connections, and/or Student Experiences to Explore NJSLS-CLKS within Unit</p>
<p><i>Core Ideas and Performance Expectation:</i></p> <p>Architecture & Construction 9.3.12.AC.1 Use vocabulary, symbols and formulas common to architecture and construction. 9.3.12.AC.2 Use architecture and construction skills to create and manage a project. 9.3.12.AC.3 Comply with regulations and applicable codes to establish and manage a legal and safe workplace. 9.3.12.AC.4 Evaluate the nature and scope of the Architecture & Construction Career Cluster and the role of architecture and construction in society and the economy. 9.3.12.AC.5 Describe the roles, responsibilities, and relationships found in the architecture and construction trades and professions, including labor/management relationships.</p>		
<p style="text-align: center;">Life Literacy & Key Skills Disciplinary Concept: Creativity and Innovation Critical Thinking and Problem-solving</p>		
<p><i>Core Ideas and Performance Expectation:</i></p> <p>Creativity and Innovation <i>With a growth mindset, failure is an important part of success.</i> 9.4.12.CI.1: Demonstrate the ability to reflect, analyze, and use creative skills and ideas (e.g., 1.1.12prof.CR3a). Innovative ideas or innovation can lead to career opportunities. 9.4.12.CI.2: Identify career pathways that highlight personal talents, skills, and abilities (e.g., 1.4.12prof.CR2b, 2.2.12.LF.8).</p>		<p>Essential Question/s: What are the appropriate steps to ensure accurate and safe production of parts using CNC equipment? Why is orientation of stock important to the integrity of the machined component? What are the various safety features of a CNC machine? What are the elements of the CAD/CAM/CNC process? What is the role of Computer Aided Manufacturing (CAM) software in the CNC fabrication process?</p>

<p>9.4.12.CI.3: Investigate new challenges and opportunities for personal growth, advancement, and transition (e.g., 2.1.12.PGD.1).</p> <p>Critical Thinking and Problem-solving <i>Collaboration with individuals with diverse experiences can aid in the problem-solving process, particularly for global issues where diverse solutions are needed.</i></p> <p>9.4.12.CT.1: Identify problem-solving strategies used in the development of an innovative product or practice (e.g., 1.1.12acc.C1b, 2.2.12.PF.3).</p> <p>9.4.12.CT.2: Explain the potential benefits of collaborating to enhance critical thinking and problem solving (e.g., 1.3E.12profCR3.a).</p> <p>9.4.12.CT.3: Enlist input from a variety of stakeholders (e.g., community members, experts in the field) to design a service learning activity that addresses a local or global issue (e.g., environmental justice).</p> <p>9.4.12.CT.4: Participate in online strategy and planning sessions for course-based, school-based, or other project and determine the strategies that contribute to effective outcomes.</p>	<p>What types of traditional woodworking methods are common to the digital fabrication process? How have different cultures influenced woodworking techniques and equipment design? How can setting up equipment establish clear boundaries and safety zones? How can this relate this to personal boundaries and the right to say "no" to unwanted touch or situations?</p> <p>Activity Description: Unit 1 provides students with an understanding of safe setup and operating procedures for various CNC machining equipment. This will include but not limited to: stock/jig setup, material clamping, establishment of reference axes, tool references, and tool changing procedures. Following these steps and protocols will ensure safe and accurate output by the CNC machine.</p> <p>This unit provides students with the ability to set-up stock in a CNC machine or various woodworking equipment for the production of a basic 3D part.</p>
<p>Career Awareness, Exploration, Preparation, & Training Disciplinary Concept: Career Awareness and Planning</p>	<p>Explore how different cultures have influenced woodworking techniques and equipment design. This can broaden students' perspectives on the global nature of carpentry.</p>
<p>Core Ideas and Performance Expectation:</p> <p>There are strategies to improve one's professional value and marketability.</p> <p>9.2.12.CAP.1: Analyze unemployment rates for workers with different levels of education and how the economic, social, and political conditions of a time period are affected by a recession.</p> <p>9.2.12.CAP.2: Develop college and career readiness skills by participating in opportunities such as structured learning experiences, apprenticeships, and dual enrollment programs.</p> <p>9.2.12.CAP.3: Investigate how continuing education contributes to one's career and personal growth.</p> <p>Career planning requires purposeful planning based on research, self-knowledge, and informed choices.</p> <p>9.2.12.CAP.4: Evaluate different careers and develop various plans (e.g., costs of public, private, training schools) and timetables for achieving them, including educational/training requirements, costs, loans, and debt repayment.</p>	<p>Discuss how setting up equipment requires establishing clear boundaries and safety zones. Relate this to personal boundaries and the right to say "no" to unwanted touch or situations.</p> <p>Interdisciplinary Connections: Math ELA SS</p> <p>CLKS: Act as a Responsible and contributing Citizen and Employee Apply Appropriate Academic and Technical Skills Attend to Personal Health and Financial Well-Being Communicate Clearly, Effectively and with Reason</p>

<p>9.2.12.CAP.10: Identify strategies for reducing overall costs of postsecondary education (e.g., tuition assistance, loans, grants, scholarships, and student loans).</p> <p>Understanding income involves an analysis of payroll taxes, deductions and earned benefits.</p> <p>9.2.12.CAP.19: Explain the purpose of payroll deductions and why fees for various benefits (e.g., medical benefits) are taken out of pay, including the cost of employee benefits to employers and self-employment income.</p>	<p>Consider the Environmental, Social and Economic Impacts of Decisions</p> <p>Demonstrate creativity and innovation</p> <p>Employ valid and reliable research strategies</p> <p>Utilize critical Thinking to make sense of problems and persevere in solving them</p> <p>Model Integrity, ethical leadership and effective management</p> <p>Plan education and career path aligned to personal goals</p> <p>Use technology to enhance productivity</p> <p>Work productively in teams while using cultural/ global competence</p>
<p>Personal Financial Literacy Disciplinary Concept: Civic Financial Responsibility Risk Management and Insurance Planning and Budgeting Financial Psychology Credit Profile</p>	
<p><i>Core Ideas and Performance Expectation:</i></p> <p>Risk Management and Insurance <i>A person's tolerance for investment risk can change depending on factors such as life circumstances, financial goals, and economic conditions.</i></p> <p>9.1.12.RM.1: Describe the importance of various sources of income in retirement, including Social Security, employer-sponsored retirement savings plans, and personal investments.</p> <p>9.1.12.RM.2: Identify types of investments appropriate for different objectives such as liquidity, income, and growth.</p> <p>Planning and Budgeting <i>A budget may need to be modified as an individual's career, financial goals (e.g., education, home ownership, retirement), and/or other life situations change.</i></p> <p>9.1.12.PB.5: Analyze how changes in taxes, inflation, and personal circumstances can affect a personal budget. <i>Money management requires understanding of cash flow systems and business practices.</i></p> <p>9.1.12.PB.6: Describe and calculate interest and fees that are applied to various forms of spending, debt and saving.</p>	

<p>Financial Psychology <i>To be fiscally responsible, an individual's finances should align with his or her values and goals.</i></p> <p>9.1.12.FP.2: Explain how an individual's financial values and goals may change across a lifetime and the adjustments to the personal financial plan that may be needed.</p> <p>Credit Profile <i>Building and maintaining a good credit history is a process.</i></p> <p>9.1.12.CP.3: Summarize factors that affect a positive credit rating, including on-time payments, debt versus available credit, length of open credit, and how often you apply for credit.</p> <p>9.1.12.CP.4: Identify the skill sets needed to build and maintain a positive credit profile.</p> <p>9.1.12.CP.5: Create a plan to improve and maintain an excellent credit rating</p>	
Social and Emotional Learning: <i>Competencies and Sub-Competencies</i>	
<p>Self-Awareness</p> <ul style="list-style-type: none">• Recognize one's feelings and thoughts• Recognize the impact of one's feelings and thoughts on one's own behavior• Recognize one's personal traits, strengths, and limitations• Recognize the importance of self-confidence in handling daily tasks and challenges <p>Self-Management</p> <ul style="list-style-type: none">• Understand and practice strategies for managing one's own emotions, thoughts, and behaviors• Recognize the skills needed to establish and achieve personal and educational goals• Identify and apply ways to persevere or overcome barriers through alternative methods to achieve one's goals <p>Social Awareness</p> <ul style="list-style-type: none">• Recognize and identify the thoughts, feelings, and perspectives of others	

<ul style="list-style-type: none"> • Demonstrate an awareness of the differences among individuals, groups, and others' cultural backgrounds • Demonstrate an understanding of the need for mutual respect when viewpoints differ • Demonstrate an awareness of the expectations for social interactions in a variety of settings. <p>Responsible Decision-Making</p> <ul style="list-style-type: none"> • Develop, implement, and model effective problem-solving and critical thinking skills • Identify the consequences associated with one's actions in order to make constructive choices • Evaluate personal, ethical, safety, and civic impact of decisions <p>Relationship Skills</p> <ul style="list-style-type: none"> • Establish and maintain healthy relationships • Utilize positive communication and social skills to interact effectively with others 	
<p>Assessments (Formative) <i>To show evidence of meeting the standard/s, students will successfully engage within:</i></p>	<p>Assessments (Summative) <i>To show evidence of meeting the standard/s, students will successfully complete:</i></p>
<p>Formative Assessments:</p> <ul style="list-style-type: none"> Teacher Observation Do Now Homework Class Participation Portfolio Discussions Quiz Journal writing Group Assessment Group Interaction/Discussion/Computer Research Self and Peer Evaluations Shop and classroom etiquette 	<p>Benchmarks:</p> <ul style="list-style-type: none"> Quiz Exam Students will be able to safely use/operate tools and equipment With little to no instruction. Students will be able to verbally explain a process when asked. Students will be periodically add to their portfolios <p>Summative Assessments:</p> <ul style="list-style-type: none"> Pre-Test Oral Presentations Projects

Housekeeping critique	<p>Rubric Teacher observation Written Assessments Reflective Paper Group Presentations Teacher administered a general shop safety test on the topic discussed during that unit. Completed project Performance test on equipment or tool.</p>
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**Differentiated Student Access to Content:
Teaching and Learning *Resources/Materials***

Core Resources	Alternate Core Resources <i>IEP/504/At-Risk/ESL</i>	ELL Core Resources	Gifted & Talented Core Resources
<p>Tiered Content Materials: Textbooks at different reading levels (below, at, and above grade level) Simplified versions of texts with key concepts highlighted Advanced supplementary readings for accelerated learners Audio versions of texts for auditory learners or struggling readers</p> <p>Multimedia Resources: Educational videos and documentaries Interactive online modules and simulations</p>	<p>Tiered Content Materials: Simplified versions of texts with key concepts highlighted Audio versions of texts for auditory learners or struggling readers Leveled or topical readers at different reading levels Books on tape Highlighted text</p> <p>Collaborative Learning Tools: Opportunity to work alone, in pairs, or small groups Structured group roles for small group work</p>	<p>Keep material concept-focused and principle-driven.</p> <p>Allow the use of digital translation or grouping students together.</p> <p>Provide multiple means of action and expression.</p>	<p>Advanced Textbooks: "Residential Construction Academy: Plumbing" by Michael Joyce and Ray Holder</p> <p>PHCC Educational Foundation's Plumbing Series (higher levels)</p> <p>Online Learning Platforms: NCCER's Plumbing curriculum (advanced modules)</p> <p>Khan Academy for advanced math concepts related to plumbing calculations</p> <p>Hands-On Materials: Advanced plumbing simulation software</p>

<p>Podcasts and audio recordings Infographics and visual aids</p> <p>Hands-On Materials: Physical manipulatives and models Lab equipment and supplies for experiments Art supplies for creative projects Building materials for engineering challenges</p>	<p>Peer tutoring and mentoring programs</p> <p>Individualized Options: Independent study options Compacting the curriculum for advanced learners Varied timelines or check-in points Choice of review activities</p> <p>ESL-Specific Resources: Bilingual dictionaries or glossaries Sentence frames and language scaffolds Visual supports for key vocabulary</p>		<p>3D modeling tools for creating detailed plumbing layouts</p> <p>Enrichment Activities: Independent research projects on emerging plumbing technologies</p> <p>Design challenges for innovative plumbing solutions</p> <p>Technology Integration: CAD software for designing advanced plumbing systems</p> <p>Virtual reality programs for exploring complex plumbing installations</p> <p>Problem-Solving Challenges: Complex troubleshooting scenarios using real-world plumbing issues</p> <p>Advanced math problems related to pipe sizing and water pressure calculations</p> <p>Industry Certifications: NCCER Plumbing Level One certification OSHA-30 Construction Industry certification</p> <p>Accelerated Curriculum: Cover topics from higher-level plumbing courses</p>
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			Introduce concepts from Plumbing Technology II
Supplemental Resources			
<p>Technology:</p> <ul style="list-style-type: none"> • Laptop • Chromebook • SmartBoard • Internet Access • Projector <p>Other:</p> <ul style="list-style-type: none"> • Edgebander • CNC machine • Edgebander, CNC machine, Computers, software and various woodworking machinery. • Various woodworking machinery. 			
<p><u>Technical Skill Assessments:</u> <i>License/Certification/CTE Assessment/ Industry Valued Credential / Stackable Credential</i></p>		<p><u>Name of Assessment(s):</u> Skills Usa Competition</p> <p><u>Type of Assessment(s):</u> Skills Usa</p>	
Autodesk fusion 360 credential/certification Hudson community college credential (TBD)			
Core Resources	Alternate Core Resources <i>IEP/504/At-Risk/ESL</i>	ELL Core Resources	Gifted & Talented Core

<p>Content Differentiation:</p> <ul style="list-style-type: none"> Tiered content at different complexity levels Variety of textbooks at different reading levels Supplemental materials like videos, podcasts, and interactive modules Compacting curriculum for advanced learners Choice boards allowing students to select learning activities Varied resources/texts on the same topic <p>Process Differentiation:</p> <ul style="list-style-type: none"> Flexible grouping (whole group, small group, individual) Learning contracts tailored to student needs Interest centers focused on different aspects of a topic Varied instructional strategies (visual, auditory, kinesthetic) Scaffolded support like graphic organizers and writing frames Technology-enabled instruction (synchronous or asynchronous options) <p>Product Differentiation:</p>	<p>Content Differentiation:</p> <ul style="list-style-type: none"> Simplified versions of texts with key concepts highlighted Audio versions of texts for auditory learners or struggling readers Leveled readers at different reading levels Bilingual materials for ESL students Visual aids, infographics, and multimedia resources <p>Process Differentiation:</p> <ul style="list-style-type: none"> Flexible grouping based on readiness levels Scaffolded support like graphic organizers and writing frames Extended time for task completion One-on-one or small group instruction Use of assistive technology (text-to-speech, speech-to-text tools) <p>Product Differentiation:</p> <ul style="list-style-type: none"> Multiple options for demonstrating learning (oral presentations, projects, etc.) 	<p>Content Differentiation:</p> <ul style="list-style-type: none"> Simplified versions of texts with key concepts highlighted Audio versions of texts for auditory learners Leveled readers at different reading levels Bilingual materials and resources¹ Visual aids, infographics, and multimedia resources Modified texts with rewording, reduced extraneous information, and added visuals <p>Process Differentiation:</p> <ul style="list-style-type: none"> Flexible grouping based on language proficiency levels Scaffolded support like graphic organizers and writing frames Extended time for task completion One-on-one or small group instruction Use of gestures and total physical response to support verbal instruction Incorporation of students' native language or culture when possible <p>Product Differentiation:</p>	<p>Content Differentiation:</p> <ul style="list-style-type: none"> Advanced, above-grade level textbooks and materials Supplementary resources on complex or specialized topics Interdisciplinary curriculum connecting multiple subject areas Primary source documents and advanced readings Access to college-level coursework or materials <p>Process Differentiation:</p> <ul style="list-style-type: none"> Accelerated pacing of instruction Independent study options on topics of interest Problem-based and project-based learning opportunities Socratic seminars and philosophical discussions Mentorship programs with experts in fields of interest <p>Product Differentiation:</p> <ul style="list-style-type: none"> Open-ended, creative project options Real-world application of learning through authentic tasks
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<p>Multiple options for demonstrating learning (reports, presentations, models, etc.)</p> <p>Varied assessment methods based on student learning preferences</p> <p>Adjusting product expectations based on student readiness</p> <p>Learning Environment Differentiation:</p> <p>Flexible seating arrangements</p> <p>Options for individual, paired, or group work</p> <p>Varied time allocations for task completion</p> <p>Use of technology to support different learning needs</p>	<p>Adjusted expectations based on IEP/504 goals</p> <p>Alternative assessments aligned with student abilities</p> <p>Use of portfolios to showcase progress over time</p> <p>Learning Environment Differentiation:</p> <p>Flexible seating arrangements</p> <p>Quiet spaces for individual work</p> <p>Sensory tools or fidgets as needed</p> <p>Visual schedules and routines</p> <p>Specialized Supports</p> <p>Implementation of IEP accommodations and modifications</p> <p>ESL supports like sentence frames and vocabulary guides</p> <p>Interventions for at-risk students (e.g. reading interventions)</p> <p>Social-emotional learning supports</p> <p>Ongoing Assessment</p> <p>Frequent formative assessments to monitor progress</p> <p>Data-driven adjustments to instruction</p>	<p>Multiple options for demonstrating learning (oral presentations, projects, etc.)</p> <p>Adjusted expectations based on English proficiency levels</p> <p>Alternative assessments aligned with student abilities</p> <p>Use of portfolios to showcase progress over time</p> <p>Learning Environment Differentiation:</p> <p>Flexible seating arrangements</p> <p>Use of learning centers or stations focused on different aspects of a topic</p> <p>Visual schedules and routines</p> <p>Incorporation of culturally relevant materials and examples</p> <p>Specialized Supports:</p> <p>ESL supports like sentence frames and vocabulary guides</p> <p>Use of students' native language for clarification when needed</p> <p>Frequent opportunities for speaking and listening practice</p> <p>Integration of all four language skills (listening, speaking, reading, writing)</p> <p>Instructional Strategies:</p>	<p>Opportunities for original research and experimentation</p> <p>Multimedia presentations and publications</p> <p>Portfolio development to showcase depth of learning</p> <p>Learning Environment Differentiation:</p> <p>Flexible grouping with intellectual peers</p> <p>Access to advanced technology and lab equipment</p> <p>Field trips and off-campus learning experiences</p> <p>Online courses and virtual learning options</p> <p>Competitions and academic challenges</p> <p>Specialized Supports:</p> <p>Critical and creative thinking skill development</p> <p>Training in research methods and academic writing</p> <p>Guidance on social-emotional needs of gifted learners</p> <p>College and career planning tailored to advanced learners</p>
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	<p>Progress monitoring aligned with IEP goals</p>	<p>Slowing down speech and using clear enunciation</p> <p>Rephrasing and clarifying instructions</p> <p>Using visuals to support verbal instruction</p> <p>Providing content in multiple formats (visual, auditory, kinesthetic)</p> <p>Connecting content to students' interests and cultural backgrounds</p> <p>Utilizing music, melodies, or songs to enhance learning</p> <p>Ongoing Assessment:</p> <p>Frequent formative assessments to monitor progress</p> <p>Data-driven adjustments to instruction</p> <p>Accommodated assessments (e.g., simplified language, added visuals)</p>	<p>Opportunities to explore passions and develop talents</p> <p>Instructional Strategies:</p> <p>Inquiry-based and discovery learning approaches</p> <p>Higher-order questioning techniques</p> <p>Abstract and complex problem-solving tasks</p> <p>Emphasis on depth and complexity of content</p> <p>Integration of multiple disciplines and perspectives</p> <p>Assessment Options:</p> <p>Pre-assessments to determine readiness levels</p> <p>Performance-based and authentic assessments</p> <p>Self-assessment and reflection opportunities</p> <p>Above-grade level standardized testing</p> <p>Credit by examination options</p>
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Work-Based Learning Experiences (WBL)- *Previously called Structured Learning Experience (SLE)

Each course within a CTE program is now required to include at least one WBL each year.

Work-Based Learning: Sustained, meaningful interactions with industry or community professionals that foster in-depth, firsthand engagement with the tasks required in a given career field. Experiences may be delivered in workplaces, in the community, at educational institutions, and/or virtually. WBL is aligned with national, state, and/or local standards. WBL develops and reinforces relevant technical, academic, and employability knowledge and skills.		
WBL Integration/Activity:	Duration:	Brief description of activities:
Career Fair	1-3 day Event	<ul style="list-style-type: none"> Annual School wide Career Fairs with various presentation in the Architecture and Constructions fields
Guest Speakers	1-2 hour a couple times throughout the year	<ul style="list-style-type: none"> Guest Speakers ie Andrew Campell from Eastern Millwork, Associate Dean of Architecture John M. Cays, Stacy Kliesh. R.A. etc.,
Career Related Competitions	Marking Period long	<ul style="list-style-type: none"> Service Learning & Career Related Competitions such as skills usa
Internships (Paid or non-paid)	Summer Internships	<ul style="list-style-type: none"> Internship Opportunities i.e. (Summer Internships with Gilbane, Eastern Millwork, DPR construction, etc.)
Informational Interviews /Guest Speakers	1-3 day Event	<ul style="list-style-type: none"> Annual STEAM Day
Pre- Apprenticeship	Summer long	<ul style="list-style-type: none"> Apprenticeship programs with Eastern Millwork
Career Related Competitions	1-3 day Event	<ul style="list-style-type: none"> SkillsUSA Competitions
Interactive/Hands-on Demonstrations with industry Professionals (online, in-person)	30-1hr per student throughout the year or one day	<ul style="list-style-type: none"> (Online or in-person) Portfolio Critiques, Project Critiques with Industry professionals

Simulated Workbased Experience	Afterschool year long	Simulated Workbased Experience
WBL Partners:		
Career and Technical Student Organization- *Every CTE program must incorporate a Career and Technical Student Organization (CTSO).		
CTSO:	CTSO Advisor:	

Freshman Level: Approximately 10 hours	Sophomore Level: Approximately 20 hours	Junior Level: Approximately 50 hours	Senior Level: Approximately 75 hours
Career Awareness- brief exposure to a variety of work settings needs.	Career Exploration- understand the nature of work through first-hand exposure to the workplace.	Career Preparation - builds basic workplace competence	Work-Related Training - a period of work experience for the purpose of training job skills and job-related skills. work experience Students may or may not be paid.
Career fair Guest Speakers Online Career Navigation, Assessments, Videos Informational Interviews Workplace Tours/Field Trips	Informational interviews Job shadowing Workplace tours/worksites visits Simulated Workplace Experience Mock Interviews	Service-learning Interactive/Hands-on demonstrations with industry prof. (online, in person, simulated) Career Cluster Employer Panel Presentations Structured Assignments after a workplace tour, presentation, shadowing Career Related Competitions School-based enterprises Simulated Workplace Experience Non-Paid Work Experience Service Learning/Volunteering	Internships (Paid or Non-Paid) Service Learning Student-led Enterprises Volunteering Work Experience (Paid or Non-Paid) Pre-Apprenticeships Apprenticeship

New Jersey Legislative Statutes and Administrative Code
 (place an "X" before each law/statute if/when present within the curriculum map)

	Amistad Law: <i>N.J.S.A. 18A 52:16A-88</i>		Holocaust Law: <i>N.J.S.A. 18A:35-28</i>	X	LGBT and Disabilities Law: <i>N.J.S.A. 18A:35-4.35</i>		Diversity & Inclusion: <i>N.J.S.A. 18A:35-4.36a</i>		Standards in Action: <i>Climate Change</i>	X	Erin's Law: <i>A-769/S-1130</i>
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Marking Period	Unit Title	Recommended Instructional Days
2	Wood Fasteners, Joints and Adhesives	45
<p align="center">CTE Disciplinary Concept: Architecture & Construction</p>		<p>Recommended Activities, Investigations, Interdisciplinary Connections, and/or Student Experiences to Explore NJSLS-CLKS within Unit</p>
<p><i>Core Ideas and Performance Expectation:</i></p> <p>Architecture & Construction 9.3.12.AC.1 Use vocabulary, symbols and formulas common to architecture and construction. 9.3.12.AC.2 Use architecture and construction skills to create and manage a project. 9.3.12.AC.3 Comply with regulations and applicable codes to establish and manage a legal and safe workplace. 9.3.12.AC.4 Evaluate the nature and scope of the Architecture & Construction Career Cluster and the role of architecture and construction in society and the economy. 9.3.12.AC.5 Describe the roles, responsibilities, and relationships found in the architecture and construction trades and professions, including labor/management relationships. 9.3.12.AC.6 Read, interpret and use technical drawings, documents and specifications to plan a project. 9.3.12.AC.7 Describe career opportunities and means to achieve those opportunities in each of the Architecture & Construction Career Pathways.</p>		
<p align="center">Life Literacy & Key Skills Disciplinary Concept: Creativity and Innovation Critical Thinking and Problem-Solving</p>		
<p><i>Core Ideas and Performance Expectation:</i></p> <p>Creativity and Innovation <i>With a growth mindset, failure is an important part of success.</i></p>		<p><u>Essential Question/s:</u> What are the appropriate steps to ensure accurate and safe production of parts using CNC equipment?</p>

<p>9.4.12.CI.1: Demonstrate the ability to reflect, analyze, and use creative skills and ideas (e.g., 1.1.12prof.CR3a).</p> <p><i>Innovative ideas or innovation can lead to career opportunities.</i></p> <p>9.4.12.CI.2: Identify career pathways that highlight personal talents, skills, and abilities (e.g., 1.4.12prof.CR2b, 2.2.12.LF.8).</p> <p>9.4.12.CI.3: Investigate new challenges and opportunities for personal growth, advancement, and transition (e.g., 2.1.12.PGD.1).</p> <p>Critical Thinking and Problem-Solving <i>Collaboration with individuals with diverse experiences can aid in the problem-solving process, particularly for global issues where diverse solutions are needed.</i></p> <p>9.4.12.CT.1: Identify problem-solving strategies used in the development of an innovative product or practice (e.g., 1.1.12acc.C1b, 2.2.12.PF.3).</p> <p>9.4.12.CT.2: Explain the potential benefits of collaborating to enhance critical thinking and problem solving (e.g., 1.3E.12profCR3.a).</p> <p>9.4.12.CT.3: Enlist input from a variety of stakeholders (e.g., community members, experts in the field) to design a service learning activity that addresses a local or global issue (e.g., environmental justice).</p> <p>9.4.12.CT.4: Participate in online strategy and planning sessions for course-based, school-based, or other project and determine the strategies that contribute to effective outcomes.</p>	<p>Why is orientation of stock important to the integrity of the machined component? What are the various safety features of a CNC machine? What are the elements of the CAD/CAM/CNC process? What is the role of Computer Aided Manufacturing (CAM) software in the CNC fabrication process? What types of traditional woodworking methods are common to the digital fabrication process? What type of structures or furniture pieces were created by African American carpenters?</p>
<p>Career Awareness, Exploration, Preparation, & Training Disciplinary Concept: Career Awareness and Planning</p>	<p>Activity Description: Wood products use a wide variety of joinery techniques and fastening methods in their assemblage. Unit 2 asks students to identify and utilize these methods for the appropriate application. They will consider these methods from the initial design through to development of their final product. Students will discover the interrelationship of the designed object, and the means by which it is produced. They will further develop their proficiency in the use of CAD/CAM operations through the translation of their designs into tool paths and other data, such as STL files, to communicate directly with output devices i.e. CNC router.</p>
<p>Core Ideas and Performance Expectation:</p> <p>Career Awareness and Planning <i>There are strategies to improve one's professional value and marketability.</i></p> <p>9.2.12.CAP.1: Analyze unemployment rates for workers with different levels of education and how the economic, social, and political conditions of a time period are affected by a recession.</p> <p>9.2.12.CAP.2: Develop college and career readiness skills by participating in opportunities such as structured learning experiences, apprenticeships, and dual enrollment programs.</p>	<p>Present examples of significant structures or furniture pieces created by African American carpenters, analyzing the joinery and fastening techniques used.</p> <p>Interdisciplinary Connections: Math ELA TECH SCI</p>

<p>9.2.12.CAP.3: Investigate how continuing education contributes to one's career and personal growth.</p> <p><i>Career planning requires purposeful planning based on research, self-knowledge, and informed choices.</i></p> <p>9.2.12.CAP.4: Evaluate different careers and develop various plans (e.g., costs of public, private, training schools) and timetables for achieving them, including educational/training requirements, costs, loans, and debt repayment.</p> <p>9.2.12.CAP.8: Determine job entrance criteria (e.g., education credentials, math/writing/reading comprehension tests, drug tests) used by employers in various industry sectors.</p> <p>9.2.12.CAP.10: Identify strategies for reducing overall costs of postsecondary education (e.g., tuition assistance, loans, grants, scholarships, and student loans)</p>	<p>CLKS: Act as a responsible and contributing community member and employee.</p> <p>Attend to financial well-being.</p> <p>Consider the environmental, social and economic impacts of decisions.</p> <p>Demonstrate creativity and innovation.</p> <p>Utilize critical thinking to make sense of problems and persevere in solving them.</p> <p>Model integrity, ethical leadership and effective management.</p> <p>Plan education and career paths aligned to personal goals.</p> <p>Use technology to enhance productivity, increase collaboration, and communicate effectively.</p> <p>Work productively in teams while using cultural/global competence.</p>
<p>Personal Financial Literacy Disciplinary Concept: Planning and Budgeting Financial Institutions</p>	
<p><i>Core Ideas and Performance Expectation:</i></p> <p>Planning and Budgeting <i>A budget may need to be modified as an individual's career, financial goals (e.g., education, home ownership, retirement), and/or other life situations change.</i></p> <p>9.1.12.PB.5: Analyze how changes in taxes, inflation, and personal circumstances can affect a personal budget.</p> <p><i>Money management requires understanding of cash flow systems and business practices.</i></p> <p>9.1.12.PB.6: Describe and calculate interest and fees that are applied to various forms of spending, debt and saving.</p> <p>Financial Institutions <i>There are factors you can use to select financial institutions and professionals that are best suited for your needs.</i></p>	

9.1.12.FI.3: Develop a plan that uses the services of various financial institutions to prepare for long term personal and family goals (e.g., college, retirement).

Social and Emotional Learning:
Competencies and Sub-Competencies

Self-Awareness

- Recognize one's feelings and thoughts
- Recognize the impact of one's feelings and thoughts on one's own behavior
- Recognize one's personal traits, strengths, and limitations
- Recognize the importance of self-confidence in handling daily tasks and challenges

Self-Management

- Understand and practice strategies for managing one's own emotions, thoughts, and behaviors
- Recognize the skills needed to establish and achieve personal and educational goals
- Identify and apply ways to persevere or overcome barriers through alternative methods to achieve one's goals

Social Awareness

- Recognize and identify the thoughts, feelings, and perspectives of others
- Demonstrate an awareness of the differences among individuals, groups, and others' cultural backgrounds
- Demonstrate an understanding of the need for mutual respect when viewpoints differ
- Demonstrate an awareness of the expectations for social interactions in a variety of settings.

Responsible Decision-Making

- Develop, implement, and model effective problem-solving and critical thinking skills
- Identify the consequences associated with one's actions in order to make constructive choices
- Evaluate personal, ethical, safety, and civic impact of decisions

<p>Relationship Skills</p> <ul style="list-style-type: none"> • Establish and maintain healthy relationships • Utilize positive communication and social skills to interact effectively with others 	
<p style="text-align: center;">Assessments (Formative) <i>To show evidence of meeting the standard/s, students will successfully engage within:</i></p>	<p style="text-align: center;">Assessments (Summative) <i>To show evidence of meeting the standard/s, students will successfully complete:</i></p>
<p>Formative Assessments:</p> <ul style="list-style-type: none"> Teacher Observation Do Now Homework Class Participation Portfolio Discussions Quiz Journal writing Group Assessment Group Interaction/Discussion/Computer Research Self and Peer Evaluations Shop and classroom etiquette Housekeeping critique Completion of safety assignments Examine handouts in notebook for completeness and accuracy of information Project critique and evaluation at completion Observe proper care and use of tools, equipment, and materials 	<p>Benchmarks:</p> <ul style="list-style-type: none"> Quiz Exam Apply an Engineering Design Process Develop and Test a Solution Improve a Design through Iteration Develop Skills in Graphically Representing Ideas <p>Summative Assessments:</p> <ul style="list-style-type: none"> Pre-Test Oral Presentations Projects Rubric Teacher observation Written Assessments Reflective Paper Group Presentations Maintain Anecdotal Records/Notetaking Teacher administered a general shop safety test on the topic discussed during that unit. Completed project Performance test on equipment or tool.
<p style="text-align: center;">Differentiated Student Access to Content: Teaching and Learning Resources/Materials</p>	

Core Resources	Alternate Core Resources <i>IEP/504/At-Risk/ESL</i>	ELL Core Resources	Gifted & Talented Core Resources
<p>Tiered Content Materials:</p> <p>Textbooks at different reading levels (below, at, and above grade level)</p> <p>Simplified versions of texts with key concepts highlighted</p> <p>Advanced supplementary readings for accelerated learners</p> <p>Audio versions of texts for auditory learners or struggling readers</p> <p>Multimedia Resources:</p> <p>Educational videos and documentaries</p> <p>Interactive online modules and simulations</p> <p>Podcasts and audio recordings</p> <p>Infographics and visual aids</p> <p>Hands-On Materials:</p> <p>Physical manipulatives and models</p> <p>Lab equipment and supplies for experiments</p> <p>Supplies for creative projects</p> <p>Building materials for engineering challenges</p>	<p>Tiered Content Materials:</p> <p>Simplified versions of texts with key concepts highlighted</p> <p>Audio versions of texts for auditory learners or struggling readers</p> <p>Leveled or topical readers at different reading levels</p> <p>Books on tape</p> <p>Highlighted text</p> <p>Collaborative Learning Tools:</p> <p>Opportunity to work alone, in pairs, or small groups</p> <p>Structured group roles for small group work</p> <p>Peer tutoring and mentoring programs</p> <p>Individualized Options:</p> <p>Independent study options</p> <p>Compacting the curriculum for advanced learners</p> <p>Varied timelines or check-in points</p> <p>Choice of review activities</p>	<p>Keep material concept-focused and principle-driven.</p> <p>Allow the use of digital translation or grouping students together.</p> <p>Provide multiple means of action and expression.</p>	<p>Advanced Project Design:</p> <p>Encourage students to design complex, multi-functional furniture pieces</p> <p>Introduce CAD software for detailed project planning and 3D modeling</p> <p>Historical Carpentry Techniques:</p> <p>Study and practice traditional joinery methods</p> <p>Explore the evolution of woodworking tools and techniques</p> <p>Sustainable Woodworking:</p> <p>Research and implement eco-friendly materials and practices</p> <p>Design projects focused on upcycling and repurposing wood</p> <p>Interdisciplinary Projects:</p> <p>Collaborate with art or engineering classes for cross-curricular projects</p> <p>Incorporate math and physics principles in advanced structural designs</p> <p>Mentorship Programs:</p> <p>Partner gifted students with local master carpenters or furniture makers</p> <p>Encourage participation in apprenticeship programs or internships</p> <p>Advanced Machinery Training:</p>

	<p>ESL-Specific Resources: Bilingual dictionaries or glossaries Sentence frames and language scaffolds Visual supports for key vocabulary</p>		<p>Provide in-depth training on CNC routers and laser cutters Teach programming skills for automated woodworking machinery</p> <p>Entrepreneurship in Carpentry: Develop business plans for custom furniture or woodworking services Learn about marketing, pricing, and client relations in the carpentry industry</p> <p>Architectural Woodworking: Study advanced architectural elements like staircases and built-in cabinetry Collaborate on school improvement projects to apply skills in real-world settings</p>
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Supplemental Resources

Technology:

- Laptop
- Chromebook
- SmartBoard
- Internet Access
- Projector
- 3D printer
- 1 to 1 desktops
- Chromebooks
- SMART Board
- Edgebander
- CNC machine
- Woodworking machinery

Other:

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Differentiated Student Access to Content: Recommended <i>Strategies & Techniques</i>			
Core Resources	Alternate Core Resources <i>IEP/504/At-Risk/ESL</i>	ELL Core Resources	Gifted & Talented Core
<p>Content Differentiation:</p> <ul style="list-style-type: none"> Tiered content at different complexity levels Variety of textbooks at different reading levels Supplemental materials like videos, podcasts, and interactive modules Compacting curriculum for advanced learners Choice boards allowing students to select learning activities Varied resources/texts on the same topic <p>Process Differentiation:</p> <ul style="list-style-type: none"> Flexible grouping (whole group, small group, individual) Learning contracts tailored to student needs Interest centers focused on different aspects of a topic Varied instructional strategies (visual, auditory, kinesthetic) 	<p>Content Differentiation:</p> <ul style="list-style-type: none"> Simplified versions of texts with key concepts highlighted Audio versions of texts for auditory learners or struggling readers Leveled readers at different reading levels Bilingual materials for ESL students Visual aids, infographics, and multimedia resources <p>Process Differentiation:</p> <ul style="list-style-type: none"> Flexible grouping based on readiness levels Scaffolded support like graphic organizers and writing frames Extended time for task completion One-on-one or small group instruction Use of assistive technology (text-to-speech, speech-to-text tools) 	<p>Content Differentiation:</p> <ul style="list-style-type: none"> Simplified versions of texts with key concepts highlighted Audio versions of texts for auditory learners Leveled readers at different reading levels Bilingual materials and resources¹ Visual aids, infographics, and multimedia resources Modified texts with rewording, reduced extraneous information, and added visuals <p>Process Differentiation:</p> <ul style="list-style-type: none"> Flexible grouping based on language proficiency levels Scaffolded support like graphic organizers and writing frames Extended time for task completion One-on-one or small group instruction Use of gestures and total physical response to support verbal instruction 	<p>Content Differentiation:</p> <ul style="list-style-type: none"> Advanced, above-grade level textbooks and materials Supplementary resources on complex or specialized topics Interdisciplinary curriculum connecting multiple subject areas Primary source documents and advanced readings Access to college-level coursework or materials <p>Process Differentiation:</p> <ul style="list-style-type: none"> Accelerated pacing of instruction Independent study options on topics of interest Problem-based and project-based learning opportunities Socratic seminars and philosophical discussions Mentorship programs with experts in fields of interest

<p>Scaffolded support like graphic organizers and writing frames</p> <p>Technology-enabled instruction (synchronous or asynchronous options)</p> <p>Product Differentiation: Multiple options for demonstrating learning (reports, presentations, models, etc.)</p> <p>Varied assessment methods based on student learning preferences</p> <p>Adjusting product expectations based on student readiness</p> <p>Learning Environment Differentiation: Flexible seating arrangements</p> <p>Options for individual, paired, or group work</p> <p>Varied time allocations for task completion</p> <p>Use of technology to support different learning needs</p>	<p>Product Differentiation: Multiple options for demonstrating learning (oral presentations, projects, etc.)</p> <p>Adjusted expectations based on IEP/504 goals</p> <p>Alternative assessments aligned with student abilities</p> <p>Use of portfolios to showcase progress over time</p> <p>Learning Environment Differentiation: Flexible seating arrangements</p> <p>Quiet spaces for individual work</p> <p>Sensory tools or fidgets as needed</p> <p>Visual schedules and routines</p> <p>Specialized Supports Implementation of IEP accommodations and modifications</p> <p>ESL supports like sentence frames and vocabulary guides</p> <p>Interventions for at-risk students (e.g. reading interventions)</p> <p>Social-emotional learning supports</p> <p>Ongoing Assessment</p>	<p>Incorporation of students' native language or culture when possible</p> <p>Product Differentiation: Multiple options for demonstrating learning (oral presentations, projects, etc.)</p> <p>Adjusted expectations based on English proficiency levels</p> <p>Alternative assessments aligned with student abilities</p> <p>Use of portfolios to showcase progress over time</p> <p>Learning Environment Differentiation: Flexible seating arrangements</p> <p>Use of learning centers or stations focused on different aspects of a topic</p> <p>Visual schedules and routines</p> <p>Incorporation of culturally relevant materials and examples</p> <p>Specialized Supports: ESL supports like sentence frames and vocabulary guides</p> <p>Use of students' native language for clarification when needed</p> <p>Frequent opportunities for speaking and listening practice</p>	<p>Product Differentiation: Open-ended, creative project options</p> <p>Real-world application of learning through authentic tasks</p> <p>Opportunities for original research and experimentation</p> <p>Multimedia presentations and publications</p> <p>Portfolio development to showcase depth of learning</p> <p>Learning Environment Differentiation: Flexible grouping with intellectual peers</p> <p>Access to advanced technology and lab equipment</p> <p>Field trips and off-campus learning experiences</p> <p>Online courses and virtual learning options</p> <p>Competitions and academic challenges</p> <p>Specialized Supports: Critical and creative thinking skill development</p>
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	<p>Frequent formative assessments to monitor progress</p> <p>Data-driven adjustments to instruction</p> <p>Progress monitoring aligned with IEP goals</p>	<p>Integration of all four language skills (listening, speaking, reading, writing)</p> <p>Instructional Strategies:</p> <p>Slowing down speech and using clear enunciation</p> <p>Rephrasing and clarifying instructions</p> <p>Using visuals to support verbal instruction</p> <p>Providing content in multiple formats (visual, auditory, kinesthetic)</p> <p>Connecting content to students' interests and cultural backgrounds</p> <p>Utilizing music, melodies, or songs to enhance learning</p> <p>Ongoing Assessment:</p> <p>Frequent formative assessments to monitor progress</p> <p>Data-driven adjustments to instruction</p> <p>Accommodated assessments (e.g., simplified language, added visuals)</p>	<p>Training in research methods and academic writing</p> <p>Guidance on social-emotional needs of gifted learners</p> <p>College and career planning tailored to advanced learners</p> <p>Opportunities to explore passions and develop talents</p> <p>Instructional Strategies:</p> <p>Inquiry-based and discovery learning approaches</p> <p>Higher-order questioning techniques</p> <p>Abstract and complex problem-solving tasks</p> <p>Emphasis on depth and complexity of content</p> <p>Integration of multiple disciplines and perspectives</p> <p>Assessment Options:</p> <p>Pre-assessments to determine readiness levels</p> <p>Performance-based and authentic assessments</p> <p>Self-assessment and reflection opportunities</p> <p>Above-grade level standardized testing</p>
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Work-Based Learning Experiences (WBL)- *Previously called Structured Learning Experience (SLE)

Each course within a CTE program is now required to include at least one WBL each year.

Work-Based Learning: Sustained, meaningful interactions with industry or community professionals that foster in-depth, firsthand engagement with the tasks required in a given career field. Experiences may be delivered in workplaces, in the community, at educational institutions, and/or virtually. WBL is aligned with national, state, and/or local standards. WBL develops and reinforces relevant technical, academic, and employability knowledge and skills.

WBL Integration/Activity:	Duration:	Brief description of activities:
Career Fair	1-3 day Event	<ul style="list-style-type: none"> Annual School wide Career Fairs with various presentation in the Architecture and Constructions fields
Guest Speakers	1-2 hour a couple times throughout the year	<ul style="list-style-type: none"> Guest Speakers ie Andrew Campell from Eastern Millwork, Associate Dean of Architecture John M. Cays, Stacy Kliesh. R.A. etc.,
Career Related Competitions	Throughout the marking period	<ul style="list-style-type: none"> Service Learning & Career Related Competitions such as skills usa
Internships (Paid or non-paid)	Summer Internships	<ul style="list-style-type: none"> Internship Opportunities i.e. (Summer Internships with Gilbane, Eastern Millwork, DPR construction, etc.)
Informational Interviews /Guest Speakers	1-3 day Event	<ul style="list-style-type: none"> Annual STEAM Day
Pre- Apprenticeship	Summer long	<ul style="list-style-type: none"> Apprenticeship programs with Eastern Millwork

Career Related Competitions	1-3 day Event	<ul style="list-style-type: none"> SkillsUSA Competitions
Interactive/Hands-on Demonstrations with industry Professionals (online, in-person)	30-1hr per student throughout the year or one day	<ul style="list-style-type: none"> (Online or in-person) Portfolio Critiques, Project Critiques with Industry professionals
Simulated Workbased Experience	Afterschool year long	<ul style="list-style-type: none"> Simulated Workbased Experience
WBL Partners:		
Career and Technical Student Organization- *Every CTE program must incorporate a Career and Technical Student Organization (CTSO).		
CTSO:	CTSO Advisor:	
ACE Mentorship Program		ACE Mentor Program is an after-school program whose mission is to engage, excite and enlighten high school students to pursue careers in Architecture, Construction, and Engineering through mentoring and to support their continued advancement in the industry.

<p>Freshman Level: Approximately 10 hours Career Awareness- brief exposure to a variety of work settings needs.</p>	<p>Sophomore Level: Approximately 20 hours Career Exploration- understand the nature of work through first-hand exposure to the workplace.</p>	<p>Junior Level: Approximately 50 hours Career Preparation - builds basic workplace competence</p>	<p>Senior Level: Approximately 75 hours Work-Related Training - a period of work experience for the purpose of training job skills and job-related skills. work experience Students may or may not be paid.</p>
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<p>Career fair Guest Speakers Online Career Navigation, Assessments, Videos Informational Interviews Workplace Tours/Field Trips</p>	<p>Informational interviews Job shadowing Workplace tours/worksites visits Simulated Workplace Experience Mock Interviews</p>	<p>Service-learning Interactive/Hands-on demonstrations with industry prof. (online, in person, simulated) Career Cluster Employer Panel Presentations Structured Assignments after a workplace tour, presentation, shadowing Career Related Competitions School-based enterprises Simulated Workplace Experience Non-Paid Work Experience Service Learning/Volunteering</p>	<p>Internships (Paid or Non-Paid) Service Learning Student-led Enterprises Volunteering Work Experience (Paid or Non-Paid) Pre-Apprenticeships Apprenticeship</p>
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New Jersey Legislative Statutes and Administrative Code
(place an "X" before each law/statute if/when present within the curriculum map)

X	Amistad Law: <i>N.J.S.A. 18A 52:16A-88</i>	Holocaust Law: <i>N.J.S.A. 18A:35-28</i>	LGBT and Disabilities Law: <i>N.J.S.A. 18A:35-4.35</i>	Diversity & Inclusion: <i>N.J.S.A. 18A:35-4.36a</i>	Standards in Action: <i>Climate Change</i>	Erin's Law: <i>A-769/S-1130</i>
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Marking Period	Unit Title	Recommended Instructional Days
3	Cabinetmaking and Millwork	45
<p style="text-align: center;">CTE Disciplinary Concept: Design/Pre-Construction Science, Technology, Engineering & Mathematics Engineering & Technology Science & Mathematics</p>		<p>Recommended Activities, Investigations, Interdisciplinary Connections, and/or Student Experiences to Explore NJSLS-CLKS within Unit</p>
<p><i>Core Ideas and Performance Expectation:</i></p> <p>Design/Pre-Construction 9.3.12.AC-DES.1 Justify design solutions through the use of research documentation and analysis of data. 9.3.12.AC-DES.2 Use effective communication skills and strategies (listening, speaking, reading, writing and graphic communications) to work with clients and colleagues 9.3.12.AC-DES.6 Apply the techniques and skills of modern drafting, design, engineering and construction to projects.</p> <p>Science, Technology, Engineering & Mathematics 9.3.ST.2 Use technology to acquire, manipulate, analyze and report data. 9.3.ST.6 Demonstrate technical skills needed in a chosen STEM field.</p> <p>Engineering & Technology 9.3.ST-ET.1 Use STEM concepts and processes to solve problems involving design and/or production. 9.3.ST-ET.3 Apply processes and concepts for the use of technological tools in STEM. 9.3.ST-ET.4 Apply the elements of the design process. 9.3.ST-ET.5 Apply the knowledge learned in STEM to solve problems. 9.3.ST-ET.6 Apply the knowledge learned in the study of STEM to provide solutions to human and societal problems in an ethical and legal manner.</p> <p>Science & Mathematics</p>		

<p>9.3.ST-SM.1 Apply science and mathematics to provide results, answers and algorithms for engineering and technological activities. 9.3.ST-SM.2 Apply science and mathematics concepts to the development of plans, processes and projects that address real world problems. 9.3.ST-SM.4 Apply critical thinking skills to review information, explain statistical analysis, and to translate, interpret and summarize research and statistical data.</p>	
<p>Life Literacy & Key Skills Disciplinary Concept: Creativity and Innovation Critical Thinking and Problem Solving Technology Literacy</p>	
<p><i>Core Ideas and Performance Expectation:</i></p> <p>Creativity and Innovation With a growth mindset, failure is an important part of success. 9.4.12.CI.1: Demonstrate the ability to reflect, analyze, and use creative skills and ideas (e.g., 1.1.12prof.CR3a). .</p> <p>Critical Thinking and Problem Solving <i>Collaboration with individuals with diverse experiences can aid in the problem-solving process, particularly for global issues where diverse solutions are needed.</i> 9.4.12.CT.3: Enlist input from a variety of stakeholders (e.g., community members, experts in the field) to design a service learning activity that addresses a local or global issue (e.g., environmental justice).</p> <p>Technology Literacy <i>Digital tools differ in features, capacities, and styles. Knowledge of different digital tools is helpful in selecting the best tool for a given task.</i> 9.4.12.TL.1: Assess digital tools based on features such as accessibility options, capacities, and utility for accomplishing a specific task (e.g., W.11-12.6.). 9.4.12.TL.2: Generate data using formula-based calculations in a spreadsheet and draw conclusions about the data.</p>	<p><u>Essential Question/s:</u> What is the difference between cabinetry, millwork and casework? What are the differences between traditional and digital fabrication and construction operations? What are the appropriate fabrication techniques used for specific design intentions? How can we minimize waste during the manufacturing process and proper disposal or recycling of leftover materials?</p> <p><u>Activity Description:</u> Unit 3 provides students with competencies specific to the fabrication of cabinets and millwork. Then, from the initial design through to development of the final product, students will discover the interrelationship between the designed object, and the means by which it is produced. They will also further develop their proficiency in the use of CAD/CAM operations though the translation of their designs into tool paths and other data, such as STL files, to communicate directly with output devices i.e. CNC router.</p> <p>Waste Reduction: Incorporate lessons on minimizing waste during the manufacturing process and proper disposal or recycling of leftover materials</p> <p><u>Interdisciplinary Connections:</u> MATH</p>

<p>Career Awareness, Exploration, Preparation, & Training Disciplinary Concept: Career Awareness and Planning</p>	<p>TECH SCI HIST</p>
<p><i>Core Ideas and Performance Expectation:</i></p> <p>Career Awareness and Planning <i>Career planning requires purposeful planning based on research, self-knowledge, and informed choices.</i> 9.2.12.CAP.4: Evaluate different careers and develop various plans (e.g., costs of public, private, training schools) and timetables for achieving them, including educational/training requirements, costs, loans, and debt repayment.</p>	<p>CLKS Act as a responsible and contributing community member and employee.</p> <p>Attend to financial well-being.</p> <p>Consider the environmental, social and economic impacts of decisions.</p>
<p>Personal Financial Literacy Disciplinary Concept: Planning and Budgeting</p>	<p>Demonstrate creativity and innovation.</p>
<p><i>Core Ideas and Performance Expectation:</i></p> <p>Planning and Budgeting <i>A budget may need to be modified as an individual's career, financial goals (e.g., education, home ownership, retirement), and/or other life situations change.</i> 9.1.12.PB.5: Analyze how changes in taxes, inflation, and personal circumstances can affect a personal budget.</p> <p><i>Money management requires understanding of cash flow systems and business practices.</i> 9.1.12.PB.6: Describe and calculate interest and fees that are applied to various forms of spending, debt and saving.</p>	<p>Utilize critical thinking to make sense of problems and persevere in solving them.</p> <p>Model integrity, ethical leadership and effective management.</p> <p>Plan education and career paths aligned to personal goals.</p> <p>Use technology to enhance productivity, increase collaboration, and communicate effectively.</p> <p>Work productively in teams while using cultural/global competence.</p>
<p>Social and Emotional Learning: Competencies and Sub-Competencies</p>	
<p>Self-Awareness</p> <ul style="list-style-type: none"> • Recognize one's feelings and thoughts • Recognize the impact of one's feelings and thoughts on one's own behavior • Recognize one's personal traits, strengths, and limitations • Recognize the importance of self-confidence in handling daily tasks and challenges 	

<p>Self-Management</p> <ul style="list-style-type: none"> • Understand and practice strategies for managing one’s own emotions, thoughts, and behaviors • Recognize the skills needed to establish and achieve personal and educational goals • Identify and apply ways to persevere or overcome barriers through alternative methods to achieve one’s goals <p>Social Awareness</p> <ul style="list-style-type: none"> • Recognize and identify the thoughts, feelings, and perspectives of others • Demonstrate an awareness of the differences among individuals, groups, and others’ cultural backgrounds • Demonstrate an understanding of the need for mutual respect when viewpoints differ • Demonstrate an awareness of the expectations for social interactions in a variety of settings. <p>Responsible Decision-Making</p> <ul style="list-style-type: none"> • Develop, implement, and model effective problem-solving and critical thinking skills • Identify the consequences associated with one’s actions in order to make constructive choices • Evaluate personal, ethical, safety, and civic impact of decisions <p>Relationship Skills</p> <ul style="list-style-type: none"> • Establish and maintain healthy relationships • Utilize positive communication and social skills to interact effectively with others 	
<p style="text-align: center;">Assessments (Formative) <i>To show evidence of meeting the standard/s, students will successfully engage within:</i></p>	<p style="text-align: center;">Assessments (Summative) <i>To show evidence of meeting the standard/s, students will successfully complete:</i></p>
<p>Formative Assessments:</p> <ul style="list-style-type: none"> Teacher Observation Do Now Homework Class Participation 	<p>Benchmarks:</p> <ul style="list-style-type: none"> Quiz Exam <p>Summative Assessments:</p>

<p>Portfolio Discussions Quiz Journal writing Group Assessment Group Interaction/Discussion/Computer Research Self and Peer Evaluations Examine handouts in notebook for completeness and accuracy of information Project critique and evaluation at completion Observe proper care and use of tools, equipment, and materials</p>	<p>Pre-Test Oral Presentations Projects Rubric Teacher observation Written Assessments Reflective Paper Group Presentations Teacher administered a general shop safety test on the topic discussed during that unit. Completed project Performance test on equipment or tool.</p>		
<p><u>Technical Skill Assessments:</u> License/Certification/CTE Assessment/ Industry Valued Credential/ Stackable Credential</p>	<p><u>Name of Assessment(s):</u> <u>Type of Assessment(s):</u></p>		
<p>Differentiated Student Access to Content: Teaching and Learning Resources/Materials</p>			
<p>Core Resources</p>	<p>Alternate Core Resources IEP/504/At-Risk/ESL</p>	<p>ELL Core Resources</p>	<p>Gifted & Talented Core Resources</p>
<p>Tiered Content Materials: Textbooks at different reading levels (below, at, and above grade level) Simplified versions of texts with key concepts highlighted Advanced supplementary readings for accelerated learners Audio versions of texts for auditory</p>	<p>Tiered Content Materials: Simplified versions of texts with key concepts highlighted Audio versions of texts for auditory learners or struggling readers Leveled or topical readers at different reading levels Books on tape</p>	<p>Keep material concept-focused and principle-driven. Allow the use of digital translation or grouping students together. Provide multiple means of action and expression.</p>	<p>Advanced Project Design: Encourage students to design complex, multi-functional furniture pieces Introduce CAD software for detailed project planning and 3D modeling Historical Carpentry Techniques: Study and practice traditional joinery methods Explore the evolution of woodworking tools and techniques</p>

<p>learners or struggling readers</p> <p>Multimedia Resources: Educational videos and documentaries Interactive online modules and simulations Podcasts and audio recordings Infographics and visual aids</p> <p>Hands-On Materials: Physical manipulatives and models Lab equipment and supplies for experiments Art supplies for creative projects Building materials for engineering challenges</p>	<p>Highlighted text</p> <p>Collaborative Learning Tools: Opportunity to work alone, in pairs, or small groups Structured group roles for small group work Peer tutoring and mentoring programs</p> <p>Individualized Options: Independent study options Compacting the curriculum for advanced learners Varied timelines or check-in points Choice of review activities</p> <p>ESL-Specific Resources: Bilingual dictionaries or glossaries Sentence frames and language scaffolds Visual supports for key vocabulary</p>		<p>Sustainable Woodworking: Research and implement eco-friendly materials and practices Design projects focused on upcycling and repurposing wood</p> <p>Interdisciplinary Projects: Collaborate with art or engineering classes for cross-curricular projects Incorporate math and physics principles in advanced structural designs</p> <p>Mentorship Programs: Partner gifted students with local master carpenters or furniture makers Encourage participation in apprenticeship programs or internships</p> <p>Advanced Machinery Training: Provide in-depth training on CNC routers and laser cutters Teach programming skills for automated woodworking machinery</p> <p>Entrepreneurship in Carpentry: Develop business plans for custom furniture or woodworking services Learn about marketing, pricing, and client relations in the carpentry industry</p> <p>Architectural Woodworking: Study advanced architectural elements like staircases and built-in cabinetry</p>
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			Collaborate on school improvement projects to apply skills in real-world settings
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Supplemental Resources

Technology:

- Laptop
- Chromebook
- SmartBoard
- Internet Access
- Projector
- 3D printer
- Edgebander
- CNC machine
- Woodworking machinery

Other:

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**Differentiated Student Access to Content:
Recommended *Strategies & Techniques***

Core Resources	Alternate Core Resources <i>IEP/504/At-Risk/ESL</i>	ELL Core Resources	Gifted & Talented Core
<p>Content Differentiation:</p> <p>Tiered content at different complexity levels</p> <p>Variety of textbooks at different reading levels</p> <p>Supplemental materials like videos, podcasts, and interactive modules</p>	<p>Content Differentiation:</p> <p>Simplified versions of texts with key concepts highlighted</p> <p>Audio versions of texts for auditory learners or struggling readers</p> <p>Leveled readers at different reading levels</p>	<p>Content Differentiation:</p> <p>Simplified versions of texts with key concepts highlighted</p> <p>Audio versions of texts for auditory learners</p> <p>Leveled readers at different reading levels</p>	<p>Content Differentiation:</p> <p>Advanced, above-grade level textbooks and materials</p> <p>Supplementary resources on complex or specialized topics</p> <p>Interdisciplinary curriculum connecting multiple subject areas</p>

<p>Compacting curriculum for advanced learners</p> <p>Choice boards allowing students to select learning activities</p> <p>Varied resources/texts on the same topic</p> <p>Process Differentiation:</p> <p>Flexible grouping (whole group, small group, individual)</p> <p>Learning contracts tailored to student needs</p> <p>Interest centers focused on different aspects of a topic</p> <p>Varied instructional strategies (visual, auditory, kinesthetic)</p> <p>Scaffolded support like graphic organizers and writing frames</p> <p>Technology-enabled instruction (synchronous or asynchronous options)</p> <p>Product Differentiation:</p> <p>Multiple options for demonstrating learning (reports, presentations, models, etc.)</p> <p>Varied assessment methods based on student learning preferences</p> <p>Adjusting product expectations based on student readiness</p> <p>Learning Environment Differentiation:</p>	<p>Bilingual materials for ESL students</p> <p>Visual aids, infographics, and multimedia resources</p> <p>Process Differentiation:</p> <p>Flexible grouping based on readiness levels</p> <p>Scaffolded support like graphic organizers and writing frames</p> <p>Extended time for task completion</p> <p>One-on-one or small group instruction</p> <p>Use of assistive technology (text-to-speech, speech-to-text tools)</p> <p>Product Differentiation:</p> <p>Multiple options for demonstrating learning (oral presentations, projects, etc.)</p> <p>Adjusted expectations based on IEP/504 goals</p> <p>Alternative assessments aligned with student abilities</p> <p>Use of portfolios to showcase progress over time</p> <p>Learning Environment Differentiation:</p>	<p>Bilingual materials and resources¹</p> <p>Visual aids, infographics, and multimedia resources</p> <p>Modified texts with rewording, reduced extraneous information, and added visuals</p> <p>Process Differentiation:</p> <p>Flexible grouping based on language proficiency levels</p> <p>Scaffolded support like graphic organizers and writing frames</p> <p>Extended time for task completion</p> <p>One-on-one or small group instruction</p> <p>Use of gestures and total physical response to support verbal instruction</p> <p>Incorporation of students' native language or culture when possible</p> <p>Product Differentiation:</p> <p>Multiple options for demonstrating learning (oral presentations, projects, etc.)</p> <p>Adjusted expectations based on English proficiency levels</p> <p>Alternative assessments aligned with student abilities</p> <p>Use of portfolios to showcase progress over time</p>	<p>Primary source documents and advanced readings</p> <p>Access to college-level coursework or materials</p> <p>Process Differentiation:</p> <p>Accelerated pacing of instruction</p> <p>Independent study options on topics of interest</p> <p>Problem-based and project-based learning opportunities</p> <p>Socratic seminars and philosophical discussions</p> <p>Mentorship programs with experts in fields of interest</p> <p>Product Differentiation:</p> <p>Open-ended, creative project options</p> <p>Real-world application of learning through authentic tasks</p> <p>Opportunities for original research and experimentation</p> <p>Multimedia presentations and publications</p> <p>Portfolio development to showcase depth of learning</p> <p>Learning Environment Differentiation:</p>
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<p>Flexible seating arrangements</p> <p>Options for individual, paired, or group work</p> <p>Varied time allocations for task completion</p> <p>Use of technology to support different learning needs</p>	<p>Flexible seating arrangements</p> <p>Quiet spaces for individual work</p> <p>Sensory tools or fidgets as needed</p> <p>Visual schedules and routines</p> <p>Specialized Supports</p> <p>Implementation of IEP accommodations and modifications</p> <p>ESL supports like sentence frames and vocabulary guides</p> <p>Interventions for at-risk students (e.g. reading interventions)</p> <p>Social-emotional learning supports</p> <p>Ongoing Assessment</p> <p>Frequent formative assessments to monitor progress</p> <p>Data-driven adjustments to instruction</p> <p>Progress monitoring aligned with IEP goals</p>	<p>Learning Environment Differentiation:</p> <p>Flexible seating arrangements</p> <p>Use of learning centers or stations focused on different aspects of a topic</p> <p>Visual schedules and routines</p> <p>Incorporation of culturally relevant materials and examples</p> <p>Specialized Supports:</p> <p>ESL supports like sentence frames and vocabulary guides</p> <p>Use of students' native language for clarification when needed</p> <p>Frequent opportunities for speaking and listening practice</p> <p>Integration of all four language skills (listening, speaking, reading, writing)</p> <p>Instructional Strategies:</p> <p>Slowing down speech and using clear enunciation</p> <p>Rephrasing and clarifying instructions</p> <p>Using visuals to support verbal instruction</p> <p>Providing content in multiple formats (visual, auditory, kinesthetic)</p> <p>Connecting content to students' interests and cultural backgrounds</p>	<p>Flexible grouping with intellectual peers</p> <p>Access to advanced technology and lab equipment</p> <p>Field trips and off-campus learning experiences</p> <p>Online courses and virtual learning options</p> <p>Competitions and academic challenges</p> <p>Specialized Supports:</p> <p>Critical and creative thinking skill development</p> <p>Training in research methods and academic writing</p> <p>Guidance on social-emotional needs of gifted learners</p> <p>College and career planning tailored to advanced learners</p> <p>Opportunities to explore passions and develop talents</p> <p>Instructional Strategies:</p> <p>Inquiry-based and discovery learning approaches</p> <p>Higher-order questioning techniques</p> <p>Abstract and complex problem-solving tasks</p>
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		<p>Utilizing music, melodies, or songs to enhance learning</p> <p>Ongoing Assessment: Frequent formative assessments to monitor progress</p> <p>Data-driven adjustments to instruction</p> <p>Accommodated assessments (e.g., simplified language, added visuals)</p>	<p>Emphasis on depth and complexity of content</p> <p>Integration of multiple disciplines and perspectives</p> <p>Assessment Options: Pre-assessments to determine readiness levels</p> <p>Performance-based and authentic assessments</p> <p>Self-assessment and reflection opportunities</p> <p>Above-grade level standardized testing</p> <p>Credit by examination options</p>
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WBL Integration/Activity:	Duration:	Brief description of activities:
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Guest Speakers	1-2 hour a couple times throughout the year	<ul style="list-style-type: none"> • Guest Speakers ie Andrew Campell from Eastern Millwork, Associate Dean of Architecture John M. Cays, Stacy Kliesh. R.A. etc.,
Career Related Competitions	Throughout the Marking Period	<ul style="list-style-type: none"> • Service Learning & Career Related Competitions such as skills usa
Internships (Paid or non-paid)	Summer Internships	<ul style="list-style-type: none"> • Internship Opportunities i.e. (Summer Internships with Gilbane, Eastern Millwork, DPR construction, etc.)
Informational Interviews /Guest Speakers	1-3 day Event	<ul style="list-style-type: none"> • Annual STEAM Day
Pre- Apprenticeship	Summer long	<ul style="list-style-type: none"> • Apprenticeship programs with Eastern Millwork
Career Related Competitions	1-3 day Event	<ul style="list-style-type: none"> • SkillsUSA Competitions
Interactive/Hands-on Demonstrations with industry Professionals (online, in-person)	30-1hr per student throughout the year or one day	<ul style="list-style-type: none"> • (Online or in-person) Portfolio Critiques, Project Critiques with Industry professionals
Simulated Workbased Experience	Afterschool year long	<ul style="list-style-type: none"> • Simulated Workbased Experience
WBL Partners:		
Career and Technical Student Organization- *Every CTE program must incorporate a Career and Technical Student Organization (CTSO).		
CTSO:	CTSO Advisor:	

ACE Mentorship Program		ACE Mentor Program is an after-school program whose mission is to engage, excite and enlighten high school students to pursue careers in Architecture, Construction, and Engineering through mentoring and to support their continued advancement in the industry.
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Freshman Level: Approximately 10 hours Career Awareness- brief exposure to a variety of work settings needs.	Sophomore Level: Approximately 20 hours Career Exploration- understand the nature of work through first-hand exposure to the workplace.	Junior Level: Approximately 50 hours Career Preparation - builds basic workplace competence	Senior Level: Approximately 75 hours Work-Related Training - a period of work experience for the purpose of training job skills and job-related skills. work experience Students may or may not be paid.
Career fair Guest Speakers Online Career Navigation, Assessments, Videos Informational Interviews Workplace Tours/Field Trips	Informational interviews Job shadowing Workplace tours/worksites visits Simulated Workplace Experience Mock Interviews	Service-learning Interactive/Hands-on demonstrations with industry prof. (online, in person, simulated) Career Cluster Employer Panel Presentations Structured Assignments after a workplace tour, presentation, shadowing Career Related Competitions School-based enterprises Simulated Workplace Experience Non-Paid Work Experience Service Learning/Volunteering	Internships (Paid or Non-Paid) Service Learning Student-led Enterprises Volunteering Work Experience (Paid or Non-Paid) Pre-Apprenticeships Apprenticeship

Content Area: Career Readiness, Life Literacies, and Key Skills (NJSLS-CLKS 9.2, 9.3, 9.4) Grades K - 12
Grade: 10

Dev. Date:

	Amistad Law: <i>N.J.S.A. 18A 52:16A-88</i>		Holocaust Law: <i>N.J.S.A. 18A:35-28</i>		LGBT and Disabilities Law: <i>N.J.S.A. 18A:35-4.35</i>		Diversity & Inclusion: <i>N.J.S.A. 18A:35-4.36a</i>	X	Standards in Action: <i>Climate Change</i>		Erin's Law: <i>A-769/S-1130</i>
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Marking Period	Unit Title	Recommended Instructional Days
4	Assembly and Installation	45
<p style="text-align: center;">CTE Disciplinary Concept: Design/Pre-Construction Science, Technology, Engineering & Mathematics Engineering & Technology Science & Mathematics</p>		<p>Recommended Activities, Investigations, Interdisciplinary Connections, and/or Student Experiences to Explore NJSLS-CLKS within Unit</p>
<p><i>Core Ideas and Performance Expectation:</i></p> <p>Design/Pre-Construction 9.3.12.AC-DES.1 Justify design solutions through the use of research documentation and analysis of data. 9.3.12.AC-DES.2 Use effective communication skills and strategies (listening, speaking, reading, writing and graphic communications) to work with clients and colleagues 9.3.12.AC-DES.6 Apply the techniques and skills of modern drafting, design, engineering and construction to projects.</p> <p>Science, Technology, Engineering & Mathematics 9.3.ST.2 Use technology to acquire, manipulate, analyze and report data. 9.3.ST.6 Demonstrate technical skills needed in a chosen STEM field.</p> <p>Engineering & Technology 9.3.ST-ET.1 Use STEM concepts and processes to solve problems involving design and/or production. 9.3.ST-ET.3 Apply processes and concepts for the use of technological tools in STEM. 9.3.ST-ET.4 Apply the elements of the design process. 9.3.ST-ET.5 Apply the knowledge learned in STEM to solve problems. 9.3.ST-ET.6 Apply the knowledge learned in the study of STEM to provide solutions to human and societal problems in an ethical and legal manner.</p> <p>Science & Mathematics</p>		

<p>9.3.ST-SM.1 Apply science and mathematics to provide results, answers and algorithms for engineering and technological activities. 9.3.ST-SM.2 Apply science and mathematics concepts to the development of plans, processes and projects that address real world problems. 9.3.ST-SM.4 Apply critical thinking skills to review information, explain statistical analysis, and to translate, interpret and summarize research and statistical data.</p>	
<p>Life Literacy & Key Skills Disciplinary Concept: Creativity and Innovation Critical Thinking and Problem Solving Technology Literacy</p>	
<p><i>Core Ideas and Performance Expectation:</i></p> <p>Creativity and Innovation <i>With a growth mindset, failure is an important part of success.</i> 9.4.12.CI.1: Demonstrate the ability to reflect, analyze, and use creative skills and ideas (e.g., 1.1.12prof.CR3a).</p> <p>Critical Thinking and Problem Solving <i>Collaboration with individuals with diverse experiences can aid in the problem-solving process, particularly for global issues where diverse solutions are needed.</i> 9.4.12.CT.3: Enlist input from a variety of stakeholders (e.g., community members, experts in the field) to design a service learning activity that addresses a local or global issue (e.g., environmental justice).</p> <p>Technology Literacy <i>Digital tools differ in features, capacities, and styles. Knowledge of different digital tools is helpful in selecting the best tool for a given task.</i> 9.4.12.TL.1: Assess digital tools based on features such as accessibility options, capacities, and utility for accomplishing a specific task (e.g., W.11-12.6.). 9.4.12.TL.2: Generate data using formula-based calculations in a spreadsheet and draw conclusions about the data.</p>	<p><u>Essential Question/s:</u> How can installation time be minimized during the initial design process? What are various ways to deal with inconsistencies in the field? How were carpentry skills used in concentration camps?</p> <p><u>Activity Description:</u> Once produced, cabinets and millwork must be installed on site. This requires specific techniques to minimize time, costs, and to ensure a successful final outcome. Unit 4 introduces to the many factors to be considered during installation including leveling, shoring, clearances and on-site modifications due to unforeseen variables. This will provide an opportunity to consider the relationship between a product's design, manufacturing and final installation.</p> <p>Discuss how carpentry skills were used in concentration camps, highlighting the resilience of prisoners who used their craft under extreme conditions</p> <p><u>Interdisciplinary Connections:</u> Math ELA</p>

<p>Career Awareness, Exploration, Preparation, & Training Disciplinary Concept: Career Awareness and Planning</p>	<p>SCI HIST</p> <p>CLKS Act as a Responsible and contributing Citizen and Employee Apply Appropriate Academic and Technical Skills Attend to Personal Health and Financial Well-Being Communicate Clearly, Effectively and with Reason Consider the Environmental, Social and Economic Impacts of Decisions Demonstrate creativity and innovation Employ valid and reliable research strategies Utilize critical Thinking to make sense of problems and persevere in solving them Model Integrity, ethical leadership and effective management Plan education and career path aligned to personal goals Use technology to enhance productivity Work productively in teams while using cultural/ global competence</p>
<p><i>Core Ideas and Performance Expectation:</i></p> <p>Career Awareness and Planning <i>There are strategies to improve one's professional value and marketability.</i> 9.2.12.CAP.2: Develop college and career readiness skills by participating in opportunities such as structured learning experiences, apprenticeships, and dual enrollment programs. 9.2.12.CAP.3: Investigate how continuing education contributes to one's career and personal growth</p>	
<p>Personal Financial Literacy Disciplinary Concept: Planning and Budgeting Financial Institutions</p>	
<p>Planning and Budgeting <i>A budget may need to be modified as an individual's career, financial goals (e.g., education, home ownership, retirement), and/or other life situations change.</i> 9.1.12.PB.5: Analyze how changes in taxes, inflation, and personal circumstances can affect a personal budget.</p> <p><i>Money management requires understanding of cash flow systems and business practices.</i> 9.1.12.PB.6: Describe and calculate interest and fees that are applied to various forms of spending, debt and saving.</p> <p>Financial Institutions <i>There are factors you can use to select financial institutions and professionals that are best suited for your needs.</i> 9.1.12.FI.3: Develop a plan that uses the services of various financial institutions to prepare for long term personal and family goals (e.g., college, retirement).</p>	

<p style="text-align: center;">Social and Emotional Learning: <i>Competencies and Sub-Competencies</i></p>	
<p>Self-Awareness</p> <ul style="list-style-type: none">• Recognize one’s feelings and thoughts• Recognize the impact of one’s feelings and thoughts on one’s own behavior• Recognize one’s personal traits, strengths, and limitations• Recognize the importance of self-confidence in handling daily tasks and challenges <p>Self-Management</p> <ul style="list-style-type: none">• Understand and practice strategies for managing one’s own emotions, thoughts, and behaviors• Recognize the skills needed to establish and achieve personal and educational goals• Identify and apply ways to persevere or overcome barriers through alternative methods to achieve one’s goals <p>Social Awareness</p> <ul style="list-style-type: none">• Recognize and identify the thoughts, feelings, and perspectives of others• Demonstrate an awareness of the differences among individuals, groups, and others’ cultural backgrounds• Demonstrate an understanding of the need for mutual respect when viewpoints differ• Demonstrate an awareness of the expectations for social interactions in a variety of settings <p>Responsible Decision-Making</p> <ul style="list-style-type: none">• Develop, implement, and model effective problem-solving and critical thinking skills• Identify the consequences associated with one’s actions in order to make constructive choices• Evaluate personal, ethical, safety, and civic impact of decisions	

<p>Relationship Skills</p> <ul style="list-style-type: none"> • Establish and maintain healthy relationships • Utilize positive communication and social skills to interact effectively with others 	
<p style="text-align: center;">Assessments (Formative) <i>To show evidence of meeting the standard/s, students will successfully engage within:</i></p>	<p style="text-align: center;">Assessments (Summative) <i>To show evidence of meeting the standard/s, students will successfully complete:</i></p>
<p>Formative Assessments:</p> <ul style="list-style-type: none"> Teacher Observation Do Now Homework Class Participation Portfolio Discussions Quiz Journal writing Group Assessment Group Interaction/Discussion/Computer Research Self and Peer Evaluations Reverse Engineering Documentation Examine handouts in notebook for completeness and accuracy of information Project critique and evaluation at completion Observe proper care and use of tools, equipment, and materials 	<p>Benchmarks:</p> <ul style="list-style-type: none"> Quiz Exam <p>Summative Assessments:</p> <ul style="list-style-type: none"> Pre-Test Oral Presentations Projects Rubric Teacher observation Written Assessments Reflective Paper Group Presentations Teacher administered a general shop safety test on the topic discussed during that unit. Completed project Performance test on equipment or tool.
<p><u>Technical Skill Assessments:</u> <i>License/Certification/CTE Assessment/ Industry Valued Credential / Stackable Credential</i></p>	<p><u>Name of Assessment(s):</u></p> <p><u>Type of Assessment(s):</u></p>
<p style="text-align: center;">Differentiated Student Access to Content: Teaching and Learning Resources/Materials</p>	

Core Resources	Alternate Core Resources <i>IEP/504/At-Risk/ESL</i>	ELL Core Resources	Gifted & Talented Core Resources
<p>Tiered Content Materials:</p> <p>Textbooks at different reading levels (below, at, and above grade level)</p> <p>Simplified versions of texts with key concepts highlighted</p> <p>Advanced supplementary readings for accelerated learners</p> <p>Audio versions of texts for auditory learners or struggling readers</p> <p>Multimedia Resources:</p> <p>Educational videos and documentaries</p> <p>Interactive online modules and simulations</p> <p>Podcasts and audio recordings</p> <p>Infographics and visual aids</p> <p>Hands-On Materials:</p> <p>Physical manipulatives and models</p> <p>Lab equipment and supplies for experiments</p> <p>Art supplies for creative projects</p> <p>Building materials for engineering challenges</p>	<p>Tiered Content Materials:</p> <p>Simplified versions of texts with key concepts highlighted</p> <p>Audio versions of texts for auditory learners or struggling readers</p> <p>Leveled or topical readers at different reading levels</p> <p>Books on tape</p> <p>Highlighted text</p> <p>Collaborative Learning Tools:</p> <p>Opportunity to work alone, in pairs, or small groups</p> <p>Structured group roles for small group work</p> <p>Peer tutoring and mentoring programs</p> <p>Individualized Options:</p> <p>Independent study options</p> <p>Compacting the curriculum for advanced learners</p> <p>Varied timelines or check-in points</p> <p>Choice of review activities</p>	<p>Keep material concept-focused and principle-driven.</p> <p>Allow the use of digital translation or grouping students together.</p> <p>Provide multiple means of action and expression.</p>	<p>Advanced Project Design:</p> <p>Encourage students to design complex, multi-functional furniture pieces</p> <p>Introduce CAD software for detailed project planning and 3D modeling</p> <p>Historical Carpentry Techniques:</p> <p>Study and practice traditional joinery methods</p> <p>Explore the evolution of woodworking tools and techniques</p> <p>Sustainable Woodworking:</p> <p>Research and implement eco-friendly materials and practices</p> <p>Design projects focused on upcycling and repurposing wood</p> <p>Interdisciplinary Projects:</p> <p>Collaborate with art or engineering classes for cross-curricular projects</p> <p>Incorporate math and physics principles in advanced structural designs</p> <p>Mentorship Programs:</p> <p>Partner gifted students with local master carpenters or furniture makers</p> <p>Encourage participation in apprenticeship programs or internships</p> <p>Advanced Machinery Training:</p>

	<p>ESL-Specific Resources: Bilingual dictionaries or glossaries Sentence frames and language scaffolds Visual supports for key vocabulary</p>		<p>Provide in-depth training on CNC routers and laser cutters Teach programming skills for automated woodworking machinery</p> <p>Entrepreneurship in Carpentry: Develop business plans for custom furniture or woodworking services Learn about marketing, pricing, and client relations in the carpentry industry</p> <p>Architectural Woodworking: Study advanced architectural elements like staircases and built-in cabinetry Collaborate on school improvement projects to apply skills in real-world settings</p>
Supplemental Resources			
<p>Technology:</p> <ul style="list-style-type: none"> ● Laptop ● Chromebook ● SmartBoard ● Internet Access ● Projector ● 3D printer ● Edgebander ● CNC machine ● Woodworking machinery 			
Differentiated Student Access to Content: Recommended <i>Strategies & Techniques</i>			
Core Resources	Alternate Core Resources	ELL Core Resources	Gifted & Talented Core

	<i>IEP/504/At-Risk/ESL</i>		
<p>Content Differentiation:</p> <p>Tiered content at different complexity levels</p> <p>Variety of textbooks at different reading levels</p> <p>Supplemental materials like videos, podcasts, and interactive modules</p> <p>Compacting curriculum for advanced learners</p> <p>Choice boards allowing students to select learning activities</p> <p>Varied resources/texts on the same topic</p> <p>Process Differentiation:</p> <p>Flexible grouping (whole group, small group, individual)</p> <p>Learning contracts tailored to student needs</p> <p>Interest centers focused on different aspects of a topic</p> <p>Varied instructional strategies (visual, auditory, kinesthetic)</p> <p>Scaffolded support like graphic organizers and writing frames</p> <p>Technology-enabled instruction (synchronous or asynchronous options)</p>	<p>Content Differentiation:</p> <p>Simplified versions of texts with key concepts highlighted</p> <p>Audio versions of texts for auditory learners or struggling readers</p> <p>Leveled readers at different reading levels</p> <p>Bilingual materials for ESL students</p> <p>Visual aids, infographics, and multimedia resources</p> <p>Process Differentiation:</p> <p>Flexible grouping based on readiness levels</p> <p>Scaffolded support like graphic organizers and writing frames</p> <p>Extended time for task completion</p> <p>One-on-one or small group instruction</p> <p>Use of assistive technology (text-to-speech, speech-to-text tools)</p> <p>Product Differentiation:</p>	<p>Content Differentiation:</p> <p>Simplified versions of texts with key concepts highlighted</p> <p>Audio versions of texts for auditory learners</p> <p>Leveled readers at different reading levels</p> <p>Bilingual materials and resources¹</p> <p>Visual aids, infographics, and multimedia resources</p> <p>Modified texts with rewording, reduced extraneous information, and added visuals</p> <p>Process Differentiation:</p> <p>Flexible grouping based on language proficiency levels</p> <p>Scaffolded support like graphic organizers and writing frames</p> <p>Extended time for task completion</p> <p>One-on-one or small group instruction</p> <p>Use of gestures and total physical response to support verbal instruction</p> <p>Incorporation of students' native language or culture when possible</p> <p>Product Differentiation:</p>	<p>Content Differentiation:</p> <p>Advanced, above-grade level textbooks and materials</p> <p>Supplementary resources on complex or specialized topics</p> <p>Interdisciplinary curriculum connecting multiple subject areas</p> <p>Primary source documents and advanced readings</p> <p>Access to college-level coursework or materials</p> <p>Process Differentiation:</p> <p>Accelerated pacing of instruction</p> <p>Independent study options on topics of interest</p> <p>Problem-based and project-based learning opportunities</p> <p>Socratic seminars and philosophical discussions</p> <p>Mentorship programs with experts in fields of interest</p> <p>Product Differentiation:</p> <p>Open-ended, creative project options</p>

<p>Product Differentiation: Multiple options for demonstrating learning (reports, presentations, models, etc.) Varied assessment methods based on student learning preferences Adjusting product expectations based on student readiness</p> <p>Learning Environment Differentiation: Flexible seating arrangements Options for individual, paired, or group work Varied time allocations for task completion Use of technology to support different learning needs</p>	<p>Multiple options for demonstrating learning (oral presentations, projects, etc.) Adjusted expectations based on IEP/504 goals Alternative assessments aligned with student abilities Use of portfolios to showcase progress over time</p> <p>Learning Environment Differentiation: Flexible seating arrangements Quiet spaces for individual work Sensory tools or fidgets as needed Visual schedules and routines</p> <p>Specialized Supports Implementation of IEP accommodations and modifications ESL supports like sentence frames and vocabulary guides Interventions for at-risk students (e.g. reading interventions) Social-emotional learning supports</p> <p>Ongoing Assessment</p>	<p>Multiple options for demonstrating learning (oral presentations, projects, etc.) Adjusted expectations based on English proficiency levels Alternative assessments aligned with student abilities Use of portfolios to showcase progress over time</p> <p>Learning Environment Differentiation: Flexible seating arrangements Use of learning centers or stations focused on different aspects of a topic Visual schedules and routines Incorporation of culturally relevant materials and examples</p> <p>Specialized Supports: ESL supports like sentence frames and vocabulary guides Use of students' native language for clarification when needed Frequent opportunities for speaking and listening practice Integration of all four language skills (listening, speaking, reading, writing)</p> <p>Instructional Strategies:</p>	<p>Real-world application of learning through authentic tasks Opportunities for original research and experimentation Multimedia presentations and publications Portfolio development to showcase depth of learning</p> <p>Learning Environment Differentiation: Flexible grouping with intellectual peers Access to advanced technology and lab equipment Field trips and off-campus learning experiences Online courses and virtual learning options Competitions and academic challenges</p> <p>Specialized Supports: Critical and creative thinking skill development Training in research methods and academic writing Guidance on social-emotional needs of gifted learners</p>
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	<p>Frequent formative assessments to monitor progress</p> <p>Data-driven adjustments to instruction</p> <p>Progress monitoring aligned with IEP goals</p>	<p>Slowing down speech and using clear enunciation</p> <p>Rephrasing and clarifying instructions</p> <p>Using visuals to support verbal instruction</p> <p>Providing content in multiple formats (visual, auditory, kinesthetic)</p> <p>Connecting content to students' interests and cultural backgrounds</p> <p>Utilizing music, melodies, or songs to enhance learning</p> <p>Ongoing Assessment:</p> <p>Frequent formative assessments to monitor progress</p> <p>Data-driven adjustments to instruction</p> <p>Accommodated assessments (e.g., simplified language, added visuals)</p>	<p>College and career planning tailored to advanced learners</p> <p>Opportunities to explore passions and develop talents</p> <p>Instructional Strategies:</p> <p>Inquiry-based and discovery learning approaches</p> <p>Higher-order questioning techniques</p> <p>Abstract and complex problem-solving tasks</p> <p>Emphasis on depth and complexity of content</p> <p>Integration of multiple disciplines and perspectives</p> <p>Assessment Options:</p> <p>Pre-assessments to determine readiness levels</p> <p>Performance-based and authentic assessments</p> <p>Self-assessment and reflection opportunities</p> <p>Above-grade level standardized testing</p> <p>Credit by examination options</p>
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Work-Based Learning Experiences (WBL)- *Previously called Structured Learning Experience (SLE)

Each course within a CTE program is now required to include at least one WBL each year.

Work-Based Learning: Sustained, meaningful interactions with industry or community professionals that foster in-depth, firsthand engagement with the tasks required in a given career field. Experiences may be delivered in workplaces, in the community, at educational institutions, and/or virtually. WBL is aligned with national, state, and/or local standards. WBL develops and reinforces relevant technical, academic, and employability knowledge and skills.

WBL Integration/Activity:	Duration:	Brief description of activities:
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Internships (Paid or non-paid)	Summer Internships	<ul style="list-style-type: none"> Internship Opportunities i.e. (Summer Internships with Gilbane, Eastern Millwork, DPR construction, etc.)
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Career Related Competitions	1-3 day Event	<ul style="list-style-type: none"> SkillsUSA Competitions
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Professionals (online, in-person)		
Simulated Workbased Experience	Afterschool year long	<ul style="list-style-type: none"> • Simulated Workbased Experience
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CTSO:	CTSO Advisor:	
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New Jersey Legislative Statutes and Administrative Code
(place an "X" before each law/statute if/when present within the curriculum map)

Amistad Law: <i>N.J.S.A. 18A 52:16A-88</i>	X	Holocaust Law: <i>N.J.S.A. 18A:35-28</i>		LGBT and Disabilities Law: <i>N.J.S.A. 18A:35-4.35</i>	X	Diversity & Inclusion: <i>N.J.S.A. 18A:35-4.36a</i>		Standards in Action: <i>Climate Change</i>		Erin's Law: <i>A-769/S-1130</i>
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