

Clean Energy Career Awareness Curriculum Map

Massachusetts Climate	Careers: Powering the Future
Course Key Essential Questions	Relevant Standards
 How does climate change affect my life and community, and how can I actively participate in its solution? How do climate-critical careers support the energy transition and broader climate goals in my community, across Massachusetts, and beyond? Which climate-critical careers interest you the most, and what experiences, skills, and training would help you access these opportunities? 	 Common Core: <u>SL.9-10.1</u> & <u>SL.11-12.1</u> – Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 9-10 topics, texts, and issues, building on others' ideas and expressing their own clearly. <u>9-12.DTC.c.4</u> – Gather, organize, analyze, and synthesize information using a variety of digital tools-distinguish among facts, reasoned judgment based on research findings, and speculation in a text.
Course Key Learning Objectives	MA CTE Strand 4:
 Students will be able to: Explain the consequences of climate change and identify solutions to address climate change. Describe how climate-critical careers support each other and the success of the transition to clean energy. Compare and contrast climate-critical careers of interest, and discuss their feelings and perspectives related to a career in clean energy. 	 4.A.01.01 - Develop and revise career plan annually based on workplace awareness and skill attainment. 4.A.01.02 - Assess personal strengths and interest areas to determine potential careers, career pathways and career ladders. 4.A.01.03 - Examine potential career field(s)/discipline(s) and identify criteria to select, secure and keep employment in chosen field(s). 4.A.01.04 - Research and evaluate a variety of careers utilizing multiple sources of information and resources to determine potential career(s) and alternatives
Course Details 18 50-minute lessons hosted by Massachusetts Clean Energy Center at cleanenergyeducation.org • Teacher guides for each lesson • Student instructional materials • Student activity worksheets • Videos (3-6 minutes each) available on MassCEC YouTube Channel	 4.A.01.05 - Identify training and education requirements that lead to employment in chosen field(s) and demonstrate skills related to evaluating employment opportunities. 4.A.01.06 - Explore and evaluate postsecondary educational opportunities including degrees and certifications available, traditional and nontraditional postsecondary pathways, technical school and apprenticeships, cost of education, financing methods including scholarships and loans and the cost of loan repayment.

Lesson Details

Course Structure

- Lessons 1-2: Climate Foundations
- Lessons 3-9: Climate Technology Deep Dive
- Lesson 10: Introduction to Focused Climate-Critical Career Explorations
- Lessons 11-17: Focused Climate-Critical Career Explorations
- Lesson 18: Climate-Critical Career Capstone

For the second half of the course, it is recommended that students complete lesson 10 and then cover four to seven of lessons 11 through 17 based on class needs and interests before concluding with Lesson 18.

Climate Foundations (Lessons 1-2)	
Lesson 1: Understanding and Combating Climate Change	
 Essential Question How does climate change affect my life and community, and how can I actively participate in its solution? Learning Objectives Identify and explain the consequences of climate change. Identify at least three ways their community can address climate change. Discuss how they can help combat climate change today and in the future. 	 Primary Learning Activity Building climate resilience. Students learn about several of the strategies in Boston's Climate Action Plan to reduce emissions and improve climate resilience. This activity will foster collaboration, deepen understanding of real-world climate strategies, and show how local action contributes to climate goals. Video Students are living in a time where climate change has already happened through no actions of theirs. But they have the power to slow and stop the changes to our planet.
Lesson Summary The lesson is intended to connect students with the real-world impact of climate change and encourage them to think critically about its relevance to their lives. They will learn about greenhouse gas emissions contributing to climate change and how that results in changes to our weather, oceans, and ecosystems.	 MA connections City of Boston Climate Action Plan. <u>2019 Update</u> <u>Massachusetts Sea Level Rise and Coastal Flooding Viewer</u> <u>Storm surge, flooding cause major home damage in North Shore town</u> Climate-critical careers referenced: none

Lesson 2: The Power of Climate Solutio	ns
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Essential Question

How is Massachusetts working to be more efficient, transition to renewable energy, optimize energy transmission, protect natural lands, and prepare for climate challenges?

Learning Objectives

- 1. Identify strategies to improve energy efficiency.
- 2. Identify examples of climate technology that advances the use of renewable energy sources.
- 3. Explore how different combinations of climate solutions can position us for a healthier future.

Lesson Summary

Students are introduced to Massachusetts' plan for a future in which there is minimal reliance on fossil fuels for heating homes, powering vehicles, and operating the electric grid.

Primary Learning Activity

Designing Our Community's Clean Energy Future. Students apply what they have learned about MA's strategies to decarbonize the state's grid to their own community by determining their top two ways to improve energy efficiency and/or renewable energy in their community.

Video

Massachusetts has plans and funding to reduce greenhouse gas emissions, equip our cities and towns to be more resilient in the face of climate change, and prepare the next generation of workers for good paying, rewarding clean energy careers. Students in MA have access to world class training that prepares them for jobs right here.

MA connections

• Massachusetts Clean Energy and Climate Plan for 2025 and 2030

- Architect
- Energy Auditor
- Insulation Workers
- Heating, Ventilation, Air Conditioning, and Refrigeration Mechanics
 and Installers
- Electrician
- Engineer

Climate Technology Deep Dive (Lessons 3-9) Lesson 3: Climate Solutions for our Homes and Schools **Essential Question Primary Learning Activity** How can clean energy workers help make our homes and schools part Energy audit: students examine how their school uses energy and identify ways to save energy and make the school more energy efficient. This activity of the climate solution? is intended to help students think critically about energy usage in their school and how simple changes can lead to significant energy savings. Learning Objectives 1. Explain how solutions such as weatherization, heat pumps, solar energy, efficient appliances, and battery storage make Video homes and schools climate solutions. Visit the large-scale solar canopies in the parking lots of Fitchburg High School 2. Discuss how your own home or school can be part of the to learn how solar and energy storage reduce the annual utility budget while supporting the environmentally sustainable practices of the town. solution. **MA** connections Lesson Summary This lesson is focused on how we can make everyday spaces more Massachusetts' Clean Energy Lives Here climate-friendly, in addition to exploring what's being done and what Solect Energy, Hopkinton, MA else can be done by individuals and institutions to adopt and Fitchburg Public Schools Solar integrate climate technologies that reduce energy usage and shift Hopkinton School District sustainable energy Green Schools MA School Building Authority Massachusetts toward cleaner sources of energy. **Climate-critical occupations referenced**

• Energy Auditor

Lesson 4: High-Performance Buildings

Essential Question

How can we use different materials, designs, and processes to ensure that new buildings are part of our climate solutions?

Learning Objectives

- 1. Explain the importance of energy-efficient building design, construction, and materials and their role in fighting climate change.
- 2. Identify examples of climate-critical professionals designing and implementing solutions for new buildings to be part of our net-zero goals.
- 3. Describe some characteristics of LEED-certified and Passive House buildings and how they differ from most current buildings.

Lesson Summary

High-performance buildings are an essential solution in our fight against climate change. When designed with sustainable materials, energy-efficient systems, and on-site power generation, such as solar arrays, buildings significantly reduce emissions over their lifetimes. Certification programs, such as LEED and Passive House, inspire developers and designers and ensure that minimum, essential building performance standards are met. The requirements surrounding high-performance buildings create a demand for a wide array of specialized careers and job opportunities in Massachusetts.

Primary Learning Activity

Students apply what they have learned about high-performance buildings and the unique properties of green building materials to the needs of different climates. They will be introduced to some of the skills necessary for designing climate-appropriate high-performance buildings.

Video

Architects, engineers, and builders design buildings that are resilient to changing climate, energy efficient, comfortable, and healthy for the occupants.

MA connections

- <u>Winthrop Center</u>- world's largest office building certified as Passive House design. <u>Handel Architects</u>
- Auburndale Builders, Newton, MA
- New Ecology Community-Based Sustainable Development, Boston, MA

- Architect
- Energy Analyst/ HERS Rater
- Insulation Workers
- Building operator
- Roofer
- Engineer

Lesson 5: Harnessing the Power of the Sun for our Communities

Essential Question

What is community solar, and what are its benefits?

Learning Objectives

- 1. Explore examples of community solar projects in MA.
- 2. Identify examples of climate-critical professionals who work together to make community solar projects work from the design to the outreach to the installation and maintenance phases.
- 3. Discuss how individual solar and community solar projects can support different individual and community needs.

Lesson Summary

Community Solar allows people to share the benefits of solar energy—including lower emissions and reduced energy costs without individual systems. Previous lessons have covered several ways to improve energy efficiency and lower carbon emissions. This lesson explores how communities can work together to harness the sun's power through solar energy projects and provides an opportunity to try designing solar projects for different types of communities. Students will be introduced to the idea of climate and energy equity.

Primary Learning Activity

Students will create a persuasive pitch for a community solar project in their assigned fictitious town. They will apply what they have learned about community solar and think critically about how solar energy projects can be tailored to different communities with unique needs.

Video

Distributed Generation Operator, Evaleah Diaz, describes her role at Nexamp, a Boston-based installer of community solar projects.

MA connections

- <u>Massachusetts Technical Potential of Solar</u>: An analysis of solar potential and siting suitability in the Commonwealth
- Nexamp community solar developer

- Solar site surveyor
- Community outreach specialist
- Distributed generation operator

Lesson 6: Networked Geothermal Projects	
Essential Question In what ways will the use of geothermal energy make our communities cleaner and healthier? Learning Objectives	Primary Learning Activity Students will analyze a case study of how a networked geothermal system is being explored in Lowell and discuss the practicalities of community engagement for large-scale geothermal projects.
 Explore the science behind networked geothermal systems and how it can contribute to clean heating. Identify examples of climate-critical professionals who work together to design and implement networked geothermal systems. Discuss the steps that communities take to explore a solution like networked geothermal. 	 Video Framingham's Network Geothermal Pilot (HEET, Eversource, City of Framingham) MA Connections Framingham's Network Geothermal Pilot HEET Boston, MA
Lesson Summary This lesson explores how communities can use the Earth's natural heat for clean energy. It includes discussions of geothermal careers, the basics of geothermal system types and technologies, a Massachusetts project case study, and a closing activity focused on how to gather community support for a geothermal project.	 Climate-critical occupations referenced Community planners Geothermal engineers Electricians

Lesson 7: Offshore Wind and Massachusetts' Transition to Renewable Energy Sources

Essential Question

How will large-scale Offshore Wind projects transform Massachusetts' energy sources?

Learning Objectives

- 1. Describe how wind turbines capture energy and convert it into electricity
- 2. Identify examples of climate-critical professionals who work to design, build, and maintain offshore wind farms
- 3. Discuss how Massachusetts' ports and other infrastructure contribute to the offshore wind industry

Lesson Summary

Students will learn the basics of wind turbine technology and how offshore wind power factors in MA's climate and clean energy goals. They will also examine our ports and what makes a port suitable for inclusion in the offshore wind industry.

Primary Learning Activity

Students will analyze different ports in Massachusetts and determine its suitability for supporting offshore wind projects. This will reinforce students' understanding of key infrastructure needs and the role of strategic planning in renewable energy development.

Video

A tour of the New Bedford Marine Commerce Terminal (NBMCT)

MA Connections

- MassCEC's Wind Technology Testing Center
- New Bedford Marine Commerce Terminal (NBMCT)
- <u>Salem Offshore Wind Terminal</u>

- Engineering and design
- Construction and installation
- Operations and maintenance
- Environmental science
- Project management and logistics
- rope access technician
- millwright (carpenters union)

Lesson 8: Transforming Transportation

Essential Question

How can electric vehicles support our transition away from fossil fuels?

Learning Objectives

- 1. Describe the benefits of electrifying transportation and explore solutions to some of the most significant barriers.
- 2. Identify climate-critical professionals who work on electric vehicles and charging infrastructure.
- 3. Discuss what communities need to electrify transportation fully.

Lesson Summary

Students examine two primary strategies to reduce pollution from the transportation sector: reducing growth in total vehicle miles traveled (VMT) by improving alternatives to personal vehicles and transitioning most vehicles on the road to electric vehicles. They are introduced to transit-oriented development and learn about the challenges to siting charging infrastructure.

Primary Learning Activity

Students will design EV charging networks to maximize accessibility and efficiency. They must consider public opinion, budget constraints, and the best places to install charging stations.

Video

This video highlights the role of skilled trades in the clean energy transition, focusing on Better Together Brain Trust, a women-owned business installing and maintaining EV charging stations. It showcases how community-driven clean energy projects promote equity and access while creating career opportunities in the trades.

MA Connections

- <u>Electric Vehicle Discovery Center</u> (opening in Sturbridge)
- Electric Busses in MA

- EV Technicians
- EV Charging Equipment Technicians
- Engineers (Automotive and Chemical)
- Car Salespeople

Lesson 9: Innovation and the Future of Climate-Tech	
 Essential Question How do innovation and creative thinking help us reach our climate goals in Massachusetts? Learning Objectives Identify examples of how innovation has advanced Massachusetts' climate solutions. 	Primary Learning Activity Students will create an "Innovation Impact Map" for one climate-critical challenge. They will begin with a question or a climate challenge, identify an existing innovation or come up with a new idea to address that challenge, and ideate potential impacts of its implementation, including benefits, obstacles, and further applications or technologies.
 Identify and describe innovations that will accelerate the creation of new solutions to climate change. Describe how research and design contribute to innovation in climate solutions. 	Videos Meet young engineers that help two Massachusetts companies reduce emissions and improve occupant health and comfort.
Lesson Summary This lesson explores real-world examples of creative solutions to climate challenges and how innovation drives the development of climate solutions, especially here in Massachusetts. Students will begin thinking about how technological innovation shapes the future of clean energy. Notably, innovation isn't always about creating something new. Often, it's about adapting something in a new way.	 MA Connections Adept Materials Somerville, MA Sublime Systems Somerville, MA Climate-critical occupations referenced Engineer (material science)

Focused Climate-Critical Career Exploration Lesson 10: Evaluating Climate-Critical Careers Essential Question Primary Learning Activity How do I evaluate which climate-critical roles would best fit me? In anticipation of exploring several climate-critical occupations, students will individually develop a career interest profile. Students answer six reflective Learning Objectives questions to explore their skills, interests, and values, helping them pinpoint 1. Identify career categories and specific occupations in clean potential climate-critical career paths. This provides a structured reflection on energy and climate technology. their strengths and preferences. 2. Describe how your interests, skills, desired training, career goals, and work environment preferences affect determining Video the right career fit. Hear about one young professional's career exploration that 3. Recognize the growing demand and opportunity of climateeventually led them to join a climate-critical career. critical careers. Hear advice from a number of young professionals featured in the • video series. Lesson Summary This lesson transitions from focusing on different types of clean **MA** Connections energy solutions to thinking about the careers that make those MassCEC's www.cleanergyeducation.org solutions possible. Specifically, it focuses on the growth and demand of clean energy and climate-tech career sectors and how to evaluate **Climate-critical occupations referenced** which of the many different climate-critical jobs could be the best fit Broad mention of diverse career options throughout the climate-tech for students. The lesson explores how skills, interests, and values landscape with specific mention of align with potential careers in this rapidly growing field.

- Project Manager
- Wind Turbine Technician
- Energy Auditor

Lesson 11: Climate Hero Spotlight: Electricians	
Essential Question How do electricians play a critical role in implementing climate solutions? Learning Objectives	Primary Learning Activity Students will experience a simulation of what electricians must consider when planning real-world clean energy projects, such as solar panel installations or energy efficiency retrofits. Students will better understand the essential role electricians play in making sustainable energy projects safe and
 Explore the range of clean energy projects that electricians work on. Identify the skills, training, and experiences needed to become an electrician. Discuss what aspects of a career as an electrician are aligned with your skills, interests, and desired work environment. 	effective. Video Visit Local 103 to learn how the International Brotherhood of Electrical Workers (IBEW) trains the next generation of electricians.
Lesson Summary This is the first of seven lessons to highlight a specific climate-critical in-demand career. The lesson highlights how electricians reduce carbon emissions and support climate resilience in clean energy industries such as solar, wind, and residential and commercial energy efficiency improvements. This lesson also provides a cursory introduction to unions and prevailing wages.	 MA Connection IBEW Local 103 Climate-critical occupations referenced Journeyman Electricians Solar panel installer EV charger installer Wind turbine technician Residential and commercial electrician

Lesson 12: Climate Hero Spotlight: Engineers	
 Essential Question How do engineers play a critical role in designing climate solutions? Learning Objectives Describe how engineers contribute to climate-critical projects, 	Primary Learning Activity Students will use the engineering design process to develop a solution to improve solar efficiency in a fictional town. Students will also practice evaluating their plan against criteria (cost-effectiveness, durability, power output) and constraints to select the most viable solution.
 Identify skills and training needed for engineering careers. Describe the aspects of an engineering career that align with your skills and interests. 	Video Meet a young mechanical engineer who tries to 'break' giant wind turbine blades at the Massachusetts Wind Technology Testing Center.
Lesson Summary This lesson is all about engineers and their diverse roles in climate solutions. Students will explore how engineers design solutions that help build a sustainable future and the typical skills and interests that result in a successful engineering career.	MA Connections • Massachusetts Wind Technology Testing Center Climate-critical occupations referenced • Solar Engineer • Wind Turbine Engineer • Building Systems Engineer • Building Systems Engineer • Materials Engineer • Materials Engineer • Structural Engineer • Mechanical Engineer • Engineering Technician • Scientist • Software Engineer

Lesson 13: Climate Hero Spotlight: Lineworkers	
 Essential Question How do lineworkers and electric utility workers contribute to climate solutions? Learning Objectives Understand why lineworkers are essential workers and how they contribute to the installation and maintenance of our electrical systems; Discuss the connection between the state's climate goals and the expanded need for lineworkers; Identify the skills, training, and experience needed to become an electrical lineworker; Discuss which aspects of a lineworker's career align with their skills, interests, and desired work environment; Lesson Summary Students learn about the lineworkers who keep the power on in their homes and communities and how they play an essential role in modernizing the utility grid to handle the electrification of buildings and transportation. They step into the role of lineworkers as they work together to plan to restore power to an area after a natural disaster. Scenarios include actual events that happened in Massachusetts.	 Primary Learning Activity Critical Response. Students will play the role of lineworkers in one of three real MA emergency situations to gain an understanding the critical role of lineworkers during climate-related emergencies, highlighting their essential role in maintaining public safety and contributing to climate resilience. Students will analyze an area's power grid after a natural disaster and make a plan to restore power that prioritizes critical community needs and resources while balancing safety. Video <i>Coming soon</i> MA Connection Scenarios used in activity include actual events that happened in MA: 2018 Winter Storm Riley, 2021 Tornados in Western MA, 2022 Extreme Heat Wave Climate-critical occupations referenced: Lineworkers

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Lesson 14: Climate Hero Spotlight: Managers and Analysts	
 Essential Question How do analysts and managers contribute to designing and implementing climate solutions? Learning Objectives Explore how analysts and managers contribute to climate-critical solutions across key technology solutions; Identify the skills, training, and experiences needed to work in analyst and management roles in clean energy; Discuss which aspects of a career as an analyst or manager are aligned with their skills, interests, and desired work environment. 	 Primary Learning Activity Project: Back on Track. Students practice data analysis and critical thinking by assessing the status of a clean energy project and creating a plan to address challenges. They will develop a communication and resource-planning strategy necessary for success. Video Meet a sustainability manager at Chapman Construction. Chapman Construction provides high end environmentally friendly sustainable commercial construction management, general contracting and consulting services.
Learning Summary This is one of seven lessons that highlights a specific climate-critical in-demand career. This lesson focuses on managers and analysts, and the many roles they plan in clean energy projects and initiatives.	 MA Connection Chapman Construction Newton, MA Climate-Critical occupations referenced Project managers Program managers Sustainability analysts Market analysts

This video highlights a Weatherization Crew Lead with Athena • 3. Explore skills and training needed for these careers. Building Performance in Worcester, MA. 4. Discuss how these careers align with personal interests and Follow a group of students in the HVAC Program at Greenfield skills. Community College. Lesson Summary This is one of seven lessons to highlight specific climate-critical in-**MA** Connection demand careers. This lesson focuses on careers in construction, Greenfield Community College installation, and maintenance, and emphasizes the breadth of skills Entry-level HVAC training program - FREE! and applications for these roles, and the variations and specifications Roxbury Community College Center for Smart Building Technology that are possible within these fields. Athena Building Performance. Insulation and weatherization services, Worcester, MA **Climate-critical occupations referenced** Construction workers and construction managers **HVAC** Technicians Weatherization Technicians **Plumbers and Pipefitters** Sheet Metal Workers Insulation specialists General laborers Solar installers Carpenters Electricians

Lesson 15: Climate Hero Spotlight: Construction, Installation, and Maintenance Workers

Essential Question

How do construction, installation, and maintenance workers contribute to climate solutions?

Learning Objectives

- 1. Identify various construction and maintenance careers in climate solutions.
- 2. Understand the growing demand for these roles due to state climate goals.

Primary Learning Activity

Students practice critical thinking, teamwork, and problem-solving while learning about the unique and specialized contributions of construction, maintenance, and installation workers to clean energy projects. In groups, students must decide which roles are needed to complete a clean energy project.

Video

Lesson 16: Climate Hero Spotlight: Wind Turbine Technicians

Essential Question

How are wind turbine technicians essential to the offshore wind industry and our energy goals in Massachusetts?

Learning Objectives

- 1. Understand wind turbine technician roles and contributions to clean energy.
- 2. Recognize the link between climate goals and the need for wind turbine technicians.
- 3. Explore skills, training, and pathways for wind turbine technician careers.
- 4. Connect personal interests to possible roles in wind turbine technology.

Lesson Summary

This lesson introduces students to the role of wind turbine technicians within the clean energy industry. It focuses on wind energy's growing importance for climate goals and job creation. Through discussions, activities, and a hands-on problem-solving scenario, students will explore the daily tasks, required skills, and long-term career potential in wind energy. The lesson also highlights Massachusetts' renewable energy initiatives, including large-scale offshore wind projects.

Primary Learning Activity

As a team of wind turbine technicians, students will analyze and respond to common scenarios wind turbine technicians face (Power Drop, Blade Imbalance, Control System Error, Weather-related Shutdown). They will identify the problem and outline the safety considerations, skills, and knowledge necessary to diagnose and fix the problem.

Video

Go inside an Offshore Wind training facility at Mass Maritime Academy, focusing on the training and responsibilities of millwrights, piledrivers, and more at an Offshore Wind facility.

MA Connection

- MA Climate goals
- MA Offshore wind projects

Climate-critical careers referenced

- Wind turbine technician
- Piledrivers
- Millwrights
- Engineers
- Electricians
- Assemblers

Lesson 17: Climate Hero Spotlight: Sales and Customer Services Workers	
 Essential Question How do sales and customer service workers contribute to individuals and companies participating in climate solutions? Learning Objectives Understand the role of sales and customer service workers in 	Primary Learning Activity Students will practice key communication skills like understanding and addressing customer concerns and needs. In groups, students will analyze a customer query, prepare an appropriate solution, and share a 1-minute educational pitch for how their solution could benefit the customer.
 promoting clean energy. Recognize barriers to change and how these workers help overcome them. Identify skills, training, and experiences needed for these careers. Discuss which aspects of these careers align with personal interests and skills. 	Video Join two HomeWorks Energy specialists as they provide a home energy assessment to a Massachusetts homeowner. MA Connection • HomeWorks Energy, Medford, MA
Lesson Summary This lesson introduces students to the critical role of sales and customer service workers in advancing climate solutions. Through discussion, exploration of career pathways, and hands-on activities, students will understand how these professionals promote clean energy adoption, assist clients in applying for programs and assistance, and overcome barriers to change. Students will also connect their interests to clean energy careers and practice crafting compelling pitches.	 MassSave Program Climate-Critical occupations referenced Sales consultant Technical sales specialist Business development representative Customer service representative Energy efficiency advisor Account manager

Climate-Critical Career Capstone

Lesson 18: My Future in Clean Energy and Climate Tech

Big Question

What role can I play in climate solutions?

Learning Objectives

- 1. Reflect on climate-critical careers and climate solutions discussed in the course.
- 2. Evaluate different career paths based on your skills, interests, and values.
- 3. Connect personal strengths with potential career paths in clean energy.
- 4. Articulate your role in climate solutions and how you envision contributing to a sustainable future.

Lesson Summary

This lesson is intended to bring together what the students have learned over the previous lessons and identify next steps based on their interests. They will briefly review their journey through the course, including climate solutions and careers supporting them. Today's focus will be a personal reflection and career evaluation to help students identify pathways in the clean energy and climate tech sector that interest and excite them. In contrast to previous lessons, this lesson has more individual reflection than group work.

Primary Learning Activity

Examining job descriptions, students start connecting their personal qualities with potential career paths. They will describe their interests that align with one or more climate-critical occupations and identify the skills and preferences that align well with that career.

Individual Capstone Activity

This individual activity encourages students to synthesize what they learned about climate-critical careers and career evaluation throughout the course. They will follow a guided series of prompts to identify roles that interest them, skills they wish to develop further, and one next step to explore a career in clean energy.

Climate-Critical occupations referenced

All careers covered in this course are reviewed broadly, and the following are mentioned explicitly in activities.

- Electrician/solar installer
- Energy auditor
- HVAC technician
- Wind turbine technician
- Engineer
- Analyst
- Project manager
- Sales and Customer Service Rep