



### Career Chronicles: Shipyard

Lesson Length

1-2 Class Periods



### Overview

Ever wonder what it's really like to work in the maritime industry? Get ready to step into the shoes of professionals and uncover the secrets of their daily lives. In this project, we'll dive into storytelling and career exploration. Storytelling lets us bring these careers to life through engaging narratives while career exploration helps us discover what makes these jobs tick - from the skills needed to the challenges faced. Using these tools, we'll reveal the hidden stories behind the careers that keep the maritime world afloat.

#### VDOE CTE/SOL Courses & Standards:

CTE Courses:
Career Investigations
Digital Technology Foundations

See page 8 for course standards







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#### Learning Objectives:

In this activity students will:

- Gain an in-depth understanding of a specific career or careers in the maritime industry
- 2. Develop technical skills in video filming, editing, and storytelling
- 3. Enhance critical thinking by analyzing and presenting career-related information

#### Materials/Supplies:

- Computer
- Film making equipment (can use computer, phones, cameras, etc.)
- Props students might want to use to tell their story (this can be provided by the students or they can use what is available in the classroom)







# Career Chronicles: Shipyard Career List

Marine Carpenter Marine Electrician Estimator/Planner Heating & Air Conditioning (HVAC) Mechanic and Installer Human Factors Engineer and Ergonomist Industrial Engineering Technician Industrial Painter/Marine Coatings Specialist Inside Machinist Marine Diesel Mechanic Outside Machinist Pipefitter Rigger Sheet Metal Worker Shipfitter Welder Project Manager Field Engineer Foreman Quality Control Inspector Blaster Nuclear Engineer Designer Engineering Technician Structural Engineer Metallurgical Engineer Mechanical Engineer Assembler Naval Architect Marine Engineer





Shipwright



# Career Chronicles: Shipyard Teacher Prep

- Gather any materials needed for students to create their videos (cameras, microphones, headphones, tripods, etc.)
- Decide and familiarize yourself with software students will be using to create their videos (this will vary by school)
- If able to, set up a career day with multiple guest speakers in the maritime industry (focusing on ship design, ship building, and ship repair) before students start the project







# Career Chronicles: Shipyard Directions

Challenge: Students produce a short documentary (5-10 mins) on careers in the maritime industry (specifically shipyard).

- 1. Present the challenge to the students. They should use the careers rom the career list on page 4.
- 2. In groups of 3-4, students will begin to plan out their documentary.
  - a. This includes:
    - i. Careers (teacher can create a minimum of careers focused on in the documentary; recommended 4, one per student)
    - ii. Assigning roles for each student
    - iii. Deciding how students want their documentary to look (are students doing the acting, are they doing voiceovers, etc.)
    - iv. Storyboarding
- 3. During the process (at a teacher determined time), have students composed a letter to a professional in the career they are researching asking for help/information on their career (teacher's can send this letter if they would like, otherwise it is practice writing to a professional)
- 4. Research: See resources on page 7 to help with research for their career
- 5. Students create their documentary video, edit it, and then present it to the class in a film festival style
  - a. This allows groups to talk about what went well, what was difficult, what they would change, and what they learned before viewing the film with their class







# Career Chronicles: Shipyard Resources

https://www.virginiashiprepair.org/

https://hii.com/what-we-do/divisions/newport-news-shipbuilding/

https://anyflip.com/ermq/zpcu (SMART Center Maritime & Transportation Resource and Career Handbook)

https://www.youtube.com/@smartmaritimeandtransporta5717/videos

https://www.buildsubmarines.com/

https://maritimejobsva.com/

https://www.navsea.navy.mil/Home/Shipyards/Norfolk/

https://web.hamptonroadschamber.com/Shipbuilding-Repairs





# Career Chronicles: Shipyard VDOE CTE/SOL Courses & Standards:

#### CTE

All Workplace Readiness Skills Competencies can be addressed throughout the project

### Career Investigations

- Exploring Career Plan
   Options and Possible
   Destinations
  - Explore career
     pathways and
     occupations of interest
  - Investigate a career of interest
  - Identify opportunities for education/training to prepare for a career
- Communicating on the Job
  - Compose written professional communication
  - Demonstrate public speaking skills

### Digital Technology Foundations

- Exploring the Digital Input Technologies Mix
  - Identify technologies, tools, and applications and their uses for lifelong learning
- Practicing Digital Skills
  - Collaborate using web-based resources
- Using Digital Tools and Resources
  - Create a video
  - Create audio narrations or voice-overs
- Applying Digital Literacy Skills
  - Use search strategies on the Internet







## Project Management Plan

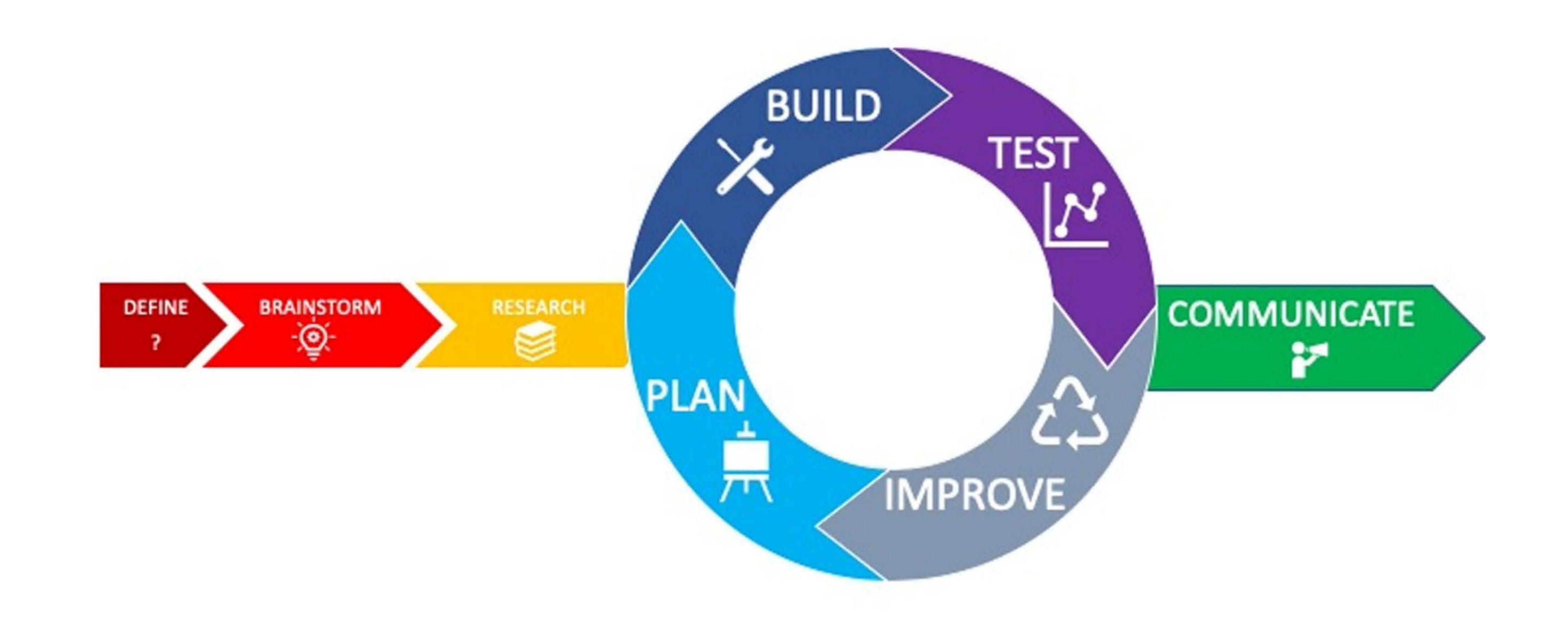
Team Member Roles

Team Goals & Timelines

Team Member Tasking



### Research Planning





### Sketches & Design Planning

