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YOU CAN FLY
AOPA FOUNDATION
HIGH SCHOOLS

UNIT 6 | SECTION A | LESSON 1 | PRESENTATION

WHAT IS A CAPSTONE?

LEARNING OBJECTIVES

At the end of this lesson, you will be able to:

- *Match* personal interests with their aviation career goals.
- *Identify* possible capstone projects.
- *Assess* prior course content, their skills, and their knowledge to develop a capstone project.
- *Organize* personal and course experiences and accomplishments for inclusion in a stackable credential portfolio.



WARM-UP



Editorial Credit: Colorado Department of Transportation



VIDEO

WARM-UP

Answer the following questions.

- **Thinking of the various careers you have learned about so far in the AOPA Foundation curriculum, which do you find the most interesting? Why?**
- **What are some ways you can think of that you could pursue your hobbies or personal interests within the aviation industry?**

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WHAT IS A CAPSTONE?

A culminating, student-directed experience that represents your . . .

- **Reflections on the course material**
- **Knowledge, skills, and experiences**
- **Curiosity about aviation**
- **Inspirations and aspirations**



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CAPSTONE EXPECTATIONS

1. Decide on an idea for a project.
2. Draft and defend a project proposal.
3. Find a mentor.
4. Define research questions and conduct research.
5. Maintain a research notebook.
6. Write a research paper.
7. Give a formal presentation.



A VARIETY OF POSSIBILITIES

As you watch this video, note the different kinds of projects.



VIDEO



Editorial Credit: MaineDOEComm

A VARIETY OF POSSIBILITIES

Answer the following questions.

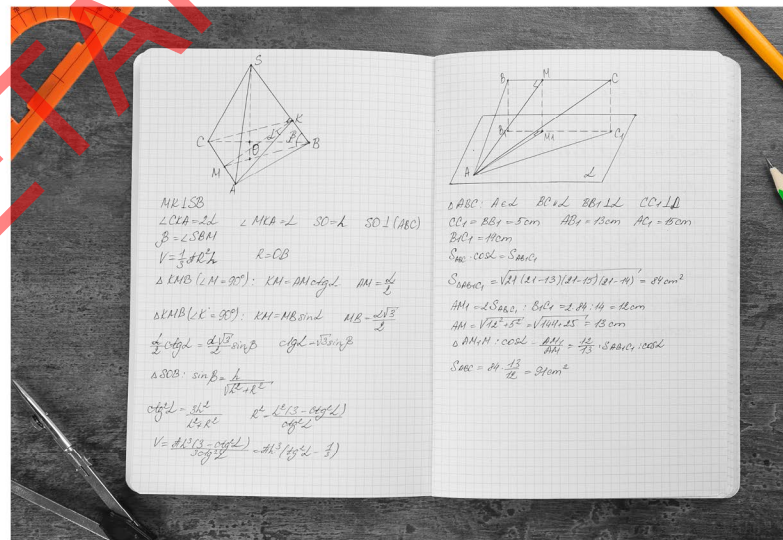
- **Think about the capstone projects that were highlighted in the video. Was there one example that stood out to you?**
- **What were some of your favorite lessons or experiences in the aviation classes you've taken so far?**
- **What are you curious to learn more about, if you had the opportunity?**

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THE RESEARCH NOTEBOOK

- You will keep a research notebook documenting all aspects of the project, from start to finish.
- The notebook must have lined paper and a sewn binding.
- You will follow a specific protocol for setting up and maintaining your notebook.
 - This will legally protect your ideas as intellectual property.



CAPSTONE PROJECT IDEAS

Working with a partner, complete Student Activity 1.

- 1. Reflect on your research proposal from last semester.**
- 2. Brainstorm possible ideas for other capstone projects.**
- 3. Rank these ideas in order by interest.**



THINKING AHEAD

Consider the ideas that you and your partner brainstormed, as well as the topic that you researched in Unit 5 last semester.

- Choose one of these ideas or topics and write a paragraph or two about how you might develop it into a capstone project.
- Explain how this project would relate to your career goals.

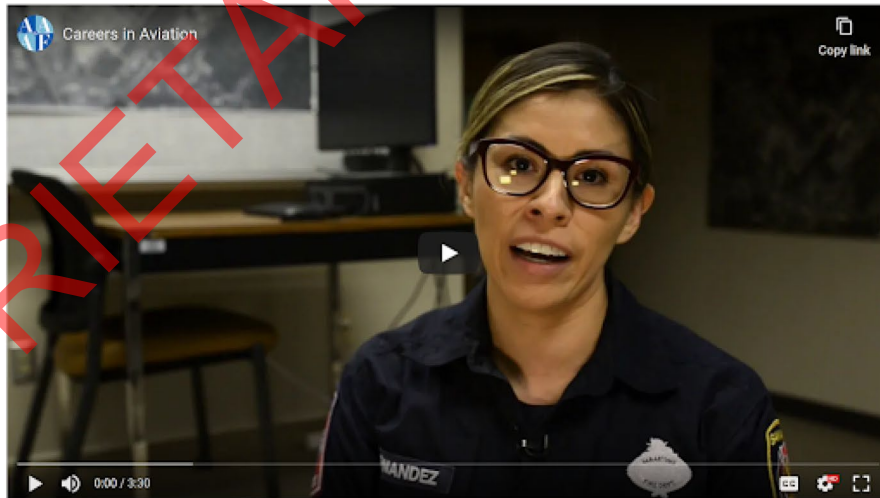


WARM-UP

As you watch this video, note what training and education might be necessary for the careers in this video.



VIDEO



Editorial Credit: AAAEDelivers

WARM-UP

Answer the following questions.

- *What training and education might be necessary for the careers in the video?*
- *Do you already possess any of this training or education?*

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CHARTING YOUR CAREER GOALS

Are you ready for the job?

Complete Student Activity 2.

1. Using a job search engine, find a job posting in your “dream” career path.
2. Identify the qualifications and requirements for this job.
 - a. Which do you currently have?
 - b. What next steps could you take to obtain these qualifications and requirements?



STACKABLE CREDENTIALS

Credentials are required for every job opportunity.

- ***Credentials*** are achievements or qualifications that give someone the ability or authority to complete a task or pursue a goal.
- ***Stackable credentials***, according to the U. S. Department of Labor, are “part of a sequence of credentials accumulated over time to build up an individual’s qualification to help them move along a career pathway or up a career ladder to potentially different and higher paying jobs.”

Why does the U.S. Department of Labor describe certain credentials as “stackable”? What does *stackable* mean in this context?



CREDENTIALS CHECKLIST

Read through the Credentials Checklist in Student Activity 3

- Apply each criterion in the checklist to the FAA remote pilot certificate.



EVALUATE YOUR CREDENTIALS

Complete Student Activity 3.

1. Identify credentials that you have earned.
2. Use the Credentials Checklist to evaluate each credential.

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