

# Cube Cut: Educator Resources, #1

**Note to Educators:** The aim of this Educator Resource Page is to allow space for your students to explore and express their interests and strengths. Encourage each of your students to complete the activities and reflections in a personalized fashion. Perhaps your student has access to a smart phone—then they could take pictures or videos of their work and share them with you. Or perhaps you and your student could connect virtually, and they could show you in real time what they have created or written. Let the creativity flow!

## Future Ready PA Index

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<b>Standards</b>	<ul style="list-style-type: none"><li>• CEW Standards: 13.1; 13.3</li><li>• Artifacts: 13.1; 13.3</li></ul>

## Student Outcomes

- TSW further their understanding of a career related to machining.
- TSW consider the skills needed to be successful in a career related to machining.

## Introduction

- Prior to your students playing Cube Cut, have them watch the trailer for the game on YouTube: <https://www.youtube.com/watch?v=uSWbJ4X5Vi0&feature=youtu.be>
- Instruct students to download Cube Cut and play.

## Extension Activities

- **3-1-1 (CEW 13.1)**
  - At the bottom of the home screen for Cube Cut, there is a button labeled “What’s This?”
  - Click and choose one of the four careers to explore, then watch the YouTube video:
    - Machinist
    - CNC Operator
    - Welder
    - Technician
  - After watching the video, provide the following information:
    - List THREE things that you learned about the occupation.
    - Write ONE question you have about this occupation.
    - Provide ONE example of something around you that a person in this occupation would have created.
      - *For example:* Look for something in your home or school that a welder or machinist might have created.
- **Soft Skill Connection (CEW 13.3)**
  - Continuing with the same career you chose, read about the skills needed for this.
  - Choose two of the skills listed. In 3-5 sentences, explain how you think these skills would benefit a person in this career.
  - All skills listed include:
    - problem-solving
    - attention to details
    - self-motivated
    - spatial reasoning
    - manual dexterity
    - basic math
    - hands-on

- computers and math
- verbal and writing
- accuracy

### Reflection Prompts

1. In 5-7 sentences, answer the following prompt: **(artifact connected to CEW 13.1)**
  - a. Playing Cube Cut uses spatial skills and basic math. Do you think you would enjoy a career that requires these skills? Why or why not?
2. In 5-7 sentences, answer the following prompt: **(artifact connected to CEW 13.3)**
  - a. Going into a career highlighted in Cube Cut, such as a machinist, a CNC operator, a technician, or a welder, requires continual learning. Using what you learned in the YouTube videos, if you were entering one of these careers, how would you continue your education throughout your career?