

Artemis III Mission Patch Activity

Flexiable
activity that
works for
ALL grades



This project combines research, science understanding, and creativity as students design an Artemis III mission patch based on meaningful real-world mission elements.

SCROLL
to take a look inside!



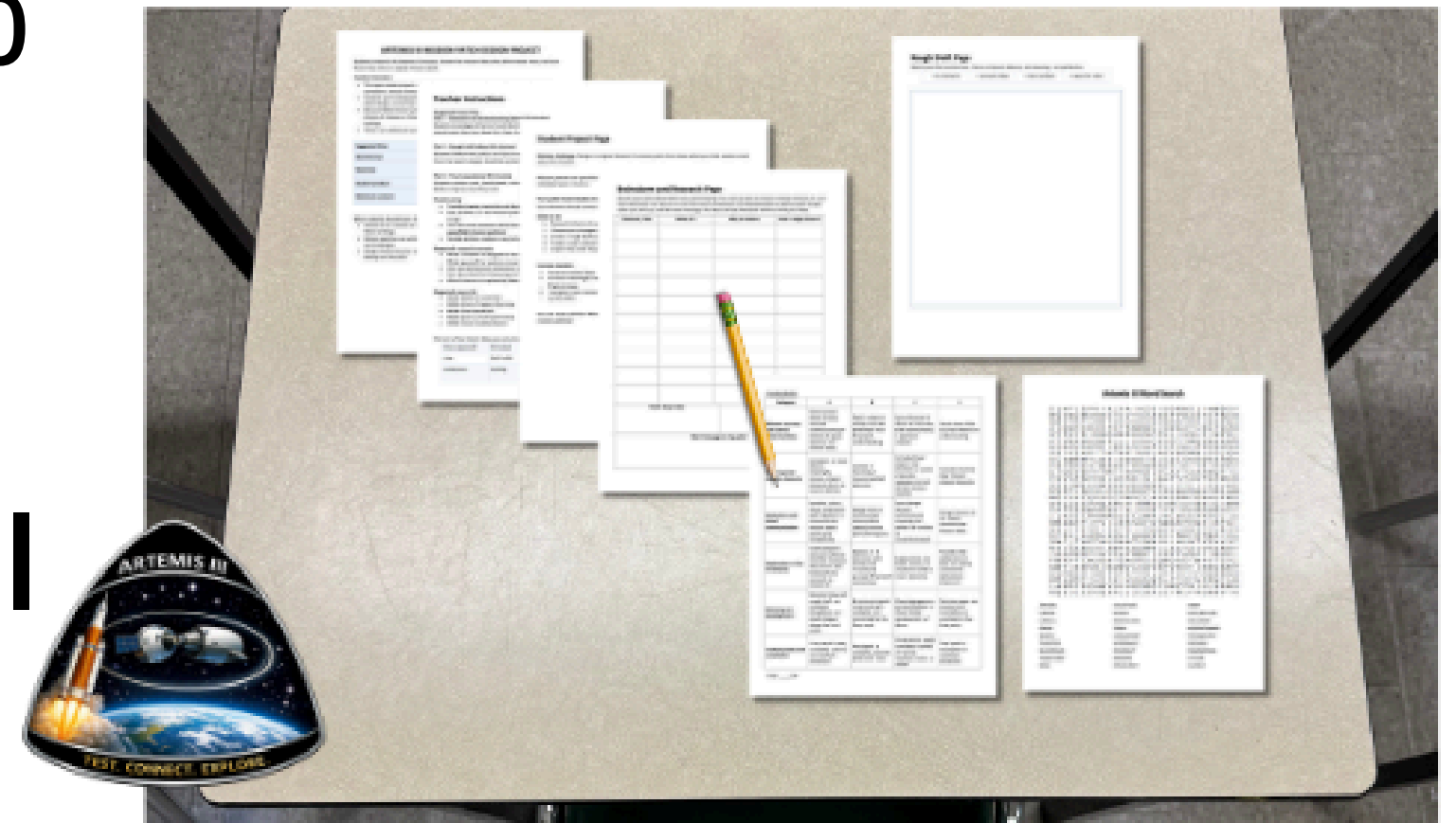
MISSION PATCH DESIGN PROJECT

THE PROBLEMS YOU FACE

- **Limited time to create engaging projects that build research skills and science understanding.**
- **Need creative activities that allow student choice while still staying tied to real content.**
- **Difficulty finding easy-to-grade extension tasks that feel meaningful and highly engaging.**

HOW IT BENEFITS YOUR STUDENTS

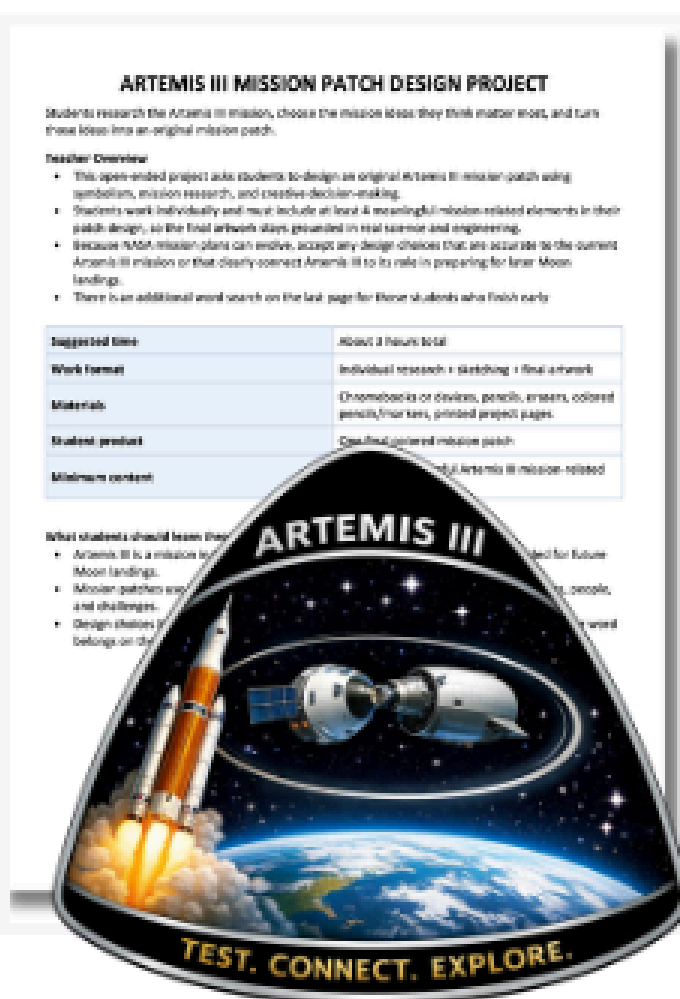
- **Connects science research to design.**
- **Connects classroom learning to real-world space concepts happening right now.**
- **Supports planning and revision.**
- **Encourages creative, science-based work.**



What Will Your Students Learn?

NO PREP - Just Print and Go

Students research **Artemis III** and design a **mission patch** that includes four meaningful elements connected to the mission.



STUDENTS DEVELOP THEIR RESEARCH & CREATIVITY SKILLS

- Artemis III Mission Goals and Purpose
- The Artemis Program and Future Moon Exploration
- The Orion Spacecraft and SLS Rocket
- Rendezvous and Docking in Space
- Commercial Lunar Lander Systems
- Testing Technology Before Future Moon Landings
- Symbols and Meaning in Mission Patches
- Researching Real-World Space Mission Elements
- Connecting Science Concepts to Visual Design
- Planning, Drafting, and Revising a Design
- Explaining How Design Choices Relate to Artemis III
- Creativity in Real-World Space Exploration

Time & Materials

Easy Grading + Additional Activity

Designed for about 3 hours total:

- 30 minutes for research and brainstorming
- 60 minutes for the rough draft
- 90 minutes for the final colored patch.

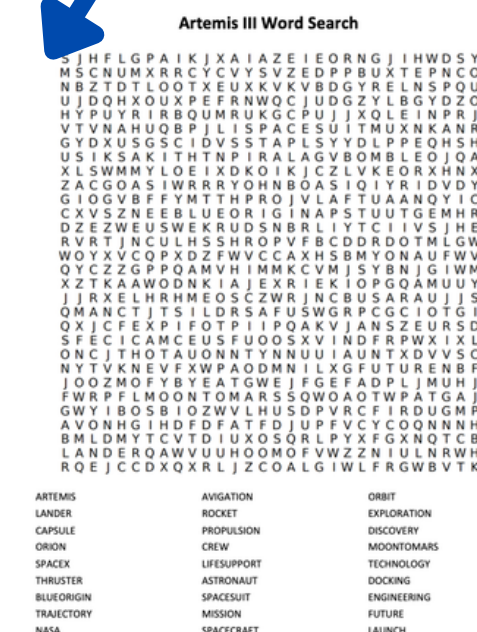


- Includes a clear, detailed rubric that makes grading simple by scoring mission accuracy, required elements, symbolism, explanation of the four elements, planning, and final craftsmanship.

Students need Chromebooks or other devices for research, plus basic art supplies such as pencils, erasers, colored pencils or markers, and the printed project pages.

Grading Rubric	4	3	2	1
Mission accuracy and science understanding	Patch content shows strong, accurate understanding of Artemis III goals, systems, and science ideas.	Patch content is mostly accurate and shows clear Artemis III understanding.	Some Artemis III ideas are accurate, but understanding is partial or uneven.	Patch shows little accurate Artemis III understanding.
Four required mission elements	Includes 4 or more distinct, meaningful mission-related elements that are easy to identify.	Includes 4 meaningful mission-related elements.	Includes fewer than 4 clear elements or some are weak, repeated, or not clearly mission-related.	Includes very few clear mission-related elements.
Symbolism and visual communication	Symbols, colors, shape, and layout work together to communicate mission ideas clearly and thoughtfully.	Design choices communicate mission ideas clearly in most parts of the patch.	Some design choices communicate meaning, but others are unclear or underdeveloped.	Design choices do not clearly communicate mission ideas.
Explanation of the 4 elements	Clearly explains why each of the 4 required elements was chosen and how each one connects to Artemis III.	Explains all 4 elements with mostly clear reasons and accurate Artemis III connections.	Explanations are brief, uneven, or unclear for one or more elements.	Provides little explanation or does not clearly connect the elements to Artemis III.
Planning and development	Brainstorming and rough draft are complete, thoughtful, and clearly helped shape the final patch.	Brainstorming and rough draft are complete and connected to the final patch.	Planning pages are partly complete or show limited development of ideas.	Planning pages are missing, very incomplete, or unrelated to the final patch.
Craftsmanship and completion	Final patch is neat, complete, colored, and carefully presented.	Final patch is complete, colored, and mostly neat.	Final patch is partly complete, rushed, or lacking neatness, color, or detail.	Final patch is incomplete or carelessly presented.

Total: ____ /24



Also includes an Artemis III Word Search for early finishers.

4 MEANINGFUL MISSION-RELATED ELEMENTS

1. Space Launch System (SLS)

The large rocket launching from Earth represents the start of the mission and how the crew gets to space

2. Orion Spacecraft

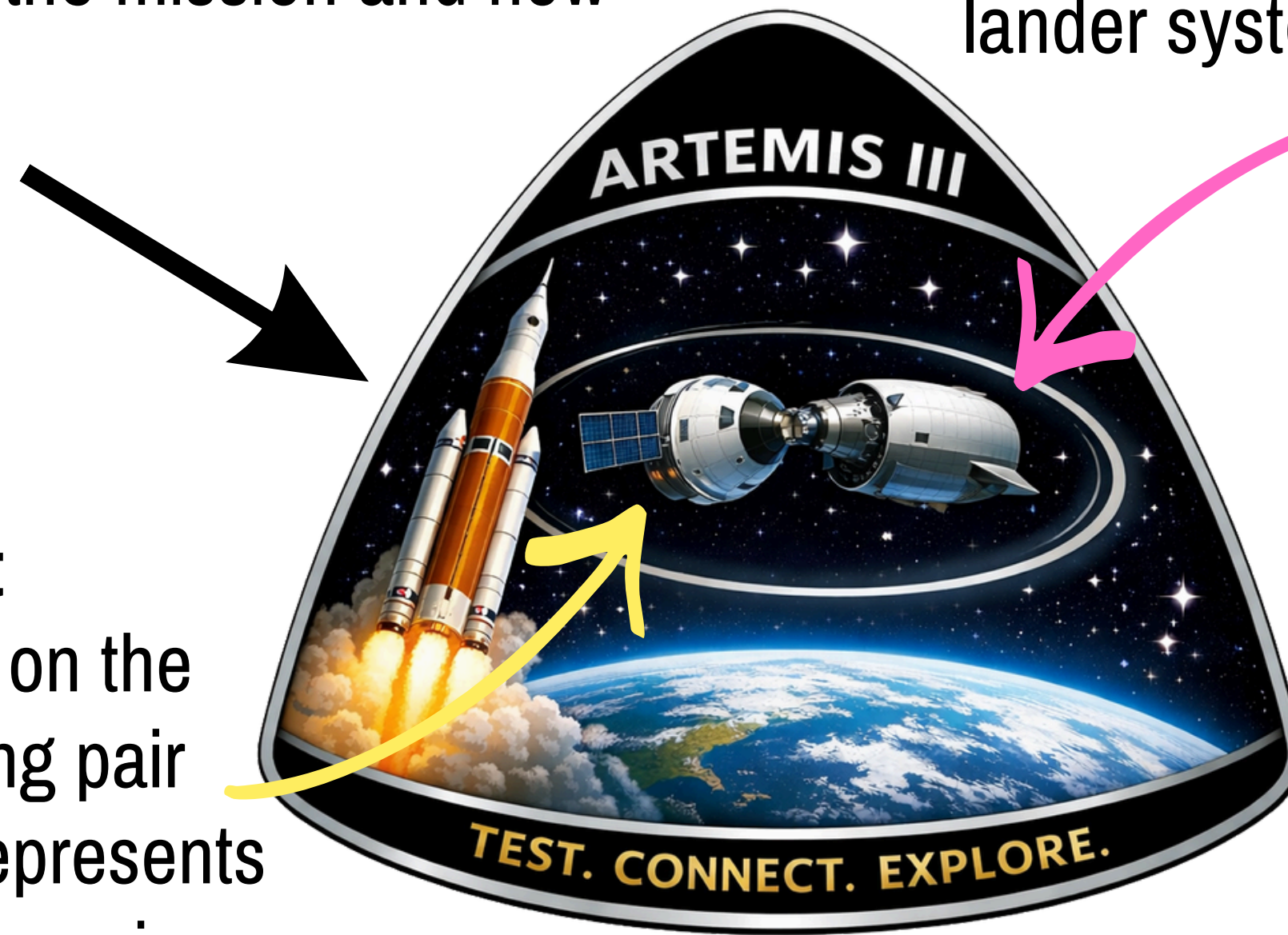
The smaller capsule on the left side of the docking pair (with solar panels) represents the crew vehicle that carries astronauts

3. Human Landing System (HLS)

The larger spacecraft on the right side of the docking pair represents the next-generation lander system used for future lunar missions

4. Rendezvous & Docking

Operation (in Low Earth Orbit)
The connection between Orion and HLS in the center surrounded by an orbital path line represents the core mission objective: docking in orbit.

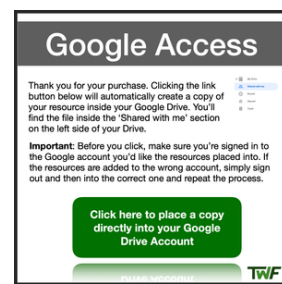


Teacher Instructions

Student Instructions & Brainstorming

Rough and good copy

Rubric, Answer Key, and Word Search

[illegible]

Thanks
**for your interest
in this resource!**

I am a real person and if
you have any questions,
suggestions, or concerns,
please reach out.



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*Let's
Connect!*

