

The Great Computer Challenge, 2026

Desktop Presentation, Level 2

Background

Have you heard? The National Aeronautics and Space Administration (NASA) NASA has just completed the incredible Artemis II space mission, sending four astronauts on a thrilling journey around the Moon and farther into space than any human has ever gone. This important mission is helping pave the way for future human missions to Mars and beyond!

Guidelines & Requirements

1. Your presentation must have at least 5 slides.
2. Include at least one slide that has general information about the Artemis II mission.
3. Include at least one slide that uses a list to share facts about the Artemis II mission.
4. Include at least one slide with a picture, diagram, or drawing.
5. Include at least one slide with a graph, chart, or table that shows numbers about the Artemis II mission.

Design your slides with layouts and color schemes that are visually appealing. Choose text types, size, and colors that most clearly display the information. You may use clip art, photos, drawings, audio, or video clips on any of the slides. While you may use your software's design features, make sure your presentation shows your own creative and original ideas!

Challenge

Your challenge is to design a fun and exciting “cosmic” presentation that celebrates the incredible Artemis II mission and gets people excited about the future of space travel!

To help you with your presentation, general information about the Artemis II mission is included in the pages that follow. You may also conduct and organize your own research. If you use any direct quotations in your slides, remember to add a small note at the bottom of your slide to show where it came from.

Judging Criteria

1. To receive full credit, the presentation must meet all five requirements.
2. Information is accurate, well organized and clearly displayed.
3. Pictures, charts, drawings, and lists provide effective communication.
4. Slides layouts are original, visually appealing and show creativity.

SOL Correlation

Mathematics Standards of Learning – August 2023

- 3.PS.1 The student will apply the data cycle (formulate questions; collect or acquire data; organize and represent data; and analyze data and communicate results) with a focus on pictographs and bar graphs.
- 4.PS.1 The student will apply the data cycle (formulate questions; collect or acquire data; organize and represent data; and analyze data and communicate results) with a focus on line graphs.
- 5.PS.1 The student will apply the data cycle (formulate questions; collect or acquire data; organize and represent data; and analyze data and communicate results) with a focus on line plots (dot plots) and stem-and-leaf plots.

English Standards of Learning – March 2024

- 3.R.1 Evaluation and Synthesis of Information (A) Identify a topic and generate questions that explore the topic. (B) Locate information in reference texts, electronic resources, provided sources, or through interviews and take brief notes on sources. (C) Organize evidence into relevant categories, recognizing that some sources may be more reliable than others. (D) Organize and share information orally, in writing, or through visual display. (E) Avoid plagiarism, giving credit to sources of information (title and author when available).
- 4.R.1 Evaluation and Synthesis of Information (A) Construct and formulate questions about a topic. (B) Identify search terms to locate information on the topic and gather relevant information from various print and digital sources. (C) Organize and synthesize information from the print and digital resources determining the relevance and reliability of the information gathered. (D) Develop notes that include important concept, summaries, and identification of information sources. (E) Organize and share information orally, in writing, or through visual display. (F) Avoid plagiarism and give proper credit by providing citations whenever using another person's media, facts, ideas, graphics, music, and direct quotations.

5.R.1 Evaluation and Synthesis of Information (A) Formulate questions that help narrow the topic and revise questions as needed based on research. (B) Identify search terms to locate information and gather relevant information from various print and digital sources to address the research. (C) Organize and synthesize information from the print and digital resources, evaluating their relevance, reliability, and credibility. (D) Develop notes that include important concepts, summaries, and identification of information sources. (E) Organize and share information orally, in writing, or through visual display. (F) Avoid plagiarism and give proper credit by providing citations whenever using another person's media, facts, ideas, graphics, music, and direct quotations.

4.C.3 Integrating Multimodal Literacies (A) Select, organize, and create engaging presentations that include multimedia components and visual displays. (B) Strategically use two or more interdependent modes of communication to convey the intended message and enhance the development of main ideas or themes.

5.C.3 Integrating Multimodal Literacies 51 English Standards of Learning- [March] 2024 (A) Select, organize, and create engaging presentations that include multimedia components and visual displays. (B) Strategically use two or more interdependent modes of communication to convey the intended message and enhance the development of main ideas or themes.

***Have fun and thank you for participating in the
Great Computer Challenge, 2026!***

Information About the Artemis II Mission

- Artemis II pictures - <https://www.nasa.gov/artemis-ii-multimedia/>

<https://www.space.com/artemis-2-humans-moon-orbit>

- Artemis II was the first mission to carry humans near the moon since 1972.
- The Artemis II mission sent four astronauts on a loop around the moon and back to Earth.
- The Artemis II mission was in March 2026 and lasted for 10 days.
- Artemis II was the first time humans traveled aboard the spacecraft beyond a low Earth orbit in more than 50 years.
- During the Artemis II mission, astronauts traveled thousands of miles beyond the moon.
- The four crew members of the Artemis II mission were Reid Wiseman (NASA) – Commander, Victor Glover (NASA) – Pilot, Christina Koch (NASA) – Mission specialist, and Jeremy Hansen (CSA) – Mission specialist
- The Artemis II mission tested a new life support system for use in future space exploration.

[Artemis II Reference Guide \(https://www.nasa.gov/wp-content/uploads/2026/01/a2-reference-guide-012825.pdf?emrc=69dab6f958f00\)](https://www.nasa.gov/wp-content/uploads/2026/01/a2-reference-guide-012825.pdf?emrc=69dab6f958f00)

- The Artemis II mission is a step toward future missions to put astronauts back on the Moon, Mars, and beyond.
- The spacecraft traveled more than 1.4 million miles on a path around the Moon before returning safely to Earth.
- The Artemis II crew traveled about 4,700 miles beyond the far side of the Moon.
- The spacecraft re-entered the Earth's atmosphere at 30 times the speed of sound and splashed down into the Pacific Ocean.
- The Artemis II rocket stands 322 feet tall and weighs about 5.5 million pounds.
- The mobile rocket launcher used was a total of 400 feet tall.
- The rocket was powered by a liquid hydrogen fuel tank that was 27.6 feet in diameter and 130 feet tall.
- The rocket was powered by a liquid oxygen fuel tank that was 27.6 feet in diameter and 51 feet tall.
- The Artemis II space capsule reached a maximum speed of about 25,000 miles per hours.
- The space capsule's parachutes slowed it to a speed of just 20 mph for landing in the Pacific Ocean.

<https://www.sciencefocus.com/space/22-mindblowing-facts-about-nasa-s-artemis-ii-mission>

- The flight path took Artemis II about 250,000 miles away from Earth.
- The total Artemis II mission travel distance was 620,000 miles.
- During landing back to Earth, the outside of the spacecraft will heat up to around 5,000 degrees, about half the temperature of the Sun's surface.
- The Artemis II crew looked at the dark side of the moon and were the first humans to see the Moon's south pole.