

Core Skills Analysis

English

- Analyzed character development by focusing on two major characters from the film and discussing their goals and motivations.
- Employed critical thinking skills to interpret the themes of perseverance and teamwork evident in the movie.
- Practiced narrative writing by synthesizing the film's story into her own words, enhancing her ability to express complex ideas clearly.
- Engaged in discussions that improved her verbal communication skills and ability to articulate thoughts on character analysis.

Math

- Utilized mathematical reasoning when discussing the logistics and calculations required for flight missions.
- Understood the importance of precision in calculations that reflect real-life scenarios seen in space missions.
- Interpreted data related to the spacecraft's orbit and trajectory, highlighting the importance of math in science applications.
- Developed problem-solving skills while considering potential issues and executing plans that require numerical assessments.

Physical Education

- Gained awareness of the role physical condition plays in extreme environments, such as space travel.
- Explored teamwork and collaboration through discussing how astronauts rely on each other during missions.
- Recognized the importance of mental and physical health in making critical decisions under stress, as shown in the characters' experiences.
- Promoted discussion of the physical training astronauts undergo to handle the rigors of space missions, emphasizing fitness and endurance.

Science

- Investigated the scientific principles behind space travel and the technology used in the Apollo 13 mission.
- Discussed the real-life physics of space flight, including gravitational forces and the mechanics of spacecraft.
- Analyzed the problem-solving processes employed by scientists and engineers when faced with a crisis during the mission.
- Developed a better understanding of the significance of teamwork in scientific endeavors, particularly in high-stakes situations.

Tips

Further exploration can include examining the real-life engineering challenges faced during the Apollo 13 mission, enhancing understanding of the technological advancements of the time. Improvement can be made in writing by integrating more detailed descriptions and analyses of character motivations in the final narrative. Additionally, students can explore the impact of the Apollo 13 mission on modern space missions.

Book Recommendations

- [Hidden Figures](#) by Margot Lee Shetterly: The true story of African American female mathematicians who played a vital role at NASA during the early years of the US space program.
- [The Martian](#) by Andy Weir: A gripping tale of an astronaut stranded on Mars and how he uses engineering and science to survive, highlighting critical problem-solving skills.
- [Apollo 13](#) by David S. Goodman: A detailed account of the Apollo 13 mission, illustrating the real-life events and challenges faced by the astronauts and NASA.