

Objective

By the end of this lesson, Brodi will be able to identify and discuss key scientific concepts related to natural disasters and their portrayal in science fiction movies. He will also develop critical thinking skills by comparing real-life science with fictional representations.

Materials and Prep

- Access to a sci-fi or natural disaster movie (e.g., "Twister," "The Day After Tomorrow," or "San Andreas").
- Notebook and pen for taking notes.
- Internet access for research (if needed).
- Prepare a list of discussion questions related to the movie.

Activities

• Movie Viewing:

Watch a selected sci-fi or natural disaster movie together. Encourage Brodi to take notes on the scientific elements and any inaccuracies he notices during the film.

• Discussion Session:

After watching the movie, engage in a discussion about the scientific concepts portrayed. Ask Brodi what he found interesting or surprising about the science in the film.

• Comparative Analysis:

Have Brodi research one natural disaster that was depicted in the movie. He should compare the scientific facts with how the disaster was portrayed in the film, focusing on accuracy and exaggeration.

• Creative Writing:

Encourage Brodi to write a short story or script that includes a natural disaster scenario. He should apply real scientific principles to make the story believable while having fun with the fiction aspect.

Talking Points

- "What kind of natural disasters did you notice in the movie? Can you name a few?"
- "How do you think filmmakers use science to make their movies more exciting?"
- "Were there any scientific concepts that seemed exaggerated or unrealistic?"
- "Can you think of a real-life natural disaster that relates to what we saw in the film?"
- "Why do you think people are fascinated by natural disasters in movies?"
- "How can understanding real science help us prepare for actual natural disasters?"
- "What role does technology play in predicting or managing natural disasters?"
- "Did you notice any characters in the movie that acted in ways you found unrealistic? Why?"
- "How do you think the portrayal of science in movies influences public perception?"
- "If you could create your own disaster movie, what scientific element would you focus on?"
- "What lessons do you think we can learn from watching these types of movies?"
- "How does the depiction of natural disasters in movies differ from documentaries?"
- "What was your favorite part of the movie, and why?"
- "How do you think climate change is affecting the frequency or intensity of natural disasters?"

- "What would you say is the most important thing to remember about natural disasters?"