

Objective

By the end of this lesson, you will be able to understand the historical, mathematical, scientific, and social aspects of video games.

Materials and Prep

- Computer or gaming console
- Internet access
- Pen and paper
- No prior knowledge required

Activities

- Research and create a timeline of the history of video games, including major milestones and advancements.
- Design your own video game character, considering their abilities, strengths, and weaknesses.
- Calculate the average scores of your favorite video games and create a bar graph to visualize the data.
- Experiment with different game genres and analyze the elements that make each genre unique.
- Write a short story or script for a video game, incorporating elements of science fiction or fantasy.
- Explore the impact of video games on society and discuss the positive and negative effects.

Talking Points

- **History of Video Games:** Video games have come a long way since their inception. Did you know that the first video game was created in 1958? It was a simple tennis game called "Tennis for Two."
- **Designing a Video Game Character:** When creating a video game character, think about what abilities and skills they should have. Should they be strong, fast, or have special powers? What weaknesses should they have to make the game challenging?
- **Mathematics of Video Games:** Calculating average scores can help us understand how well a game is received. To find the average, add up all the scores and divide by the number of scores. For example, if three people rated a game with scores of 8, 9, and 7, the average score would be $(8 + 9 + 7) / 3 = 8$.
- **Different Game Genres:** Video games come in various genres like action, adventure, puzzle,

and role-playing games. Each genre has its own unique gameplay mechanics and storylines. Try playing different genres to see which ones you enjoy the most.

- **Storytelling in Video Games:** Video games often have captivating stories. You can write your own story or script for a video game, incorporating elements of science fiction or fantasy. Imagine the setting, characters, and plot twists!
- **Social Impact of Video Games:** Video games can bring people together, but they can also have negative effects if played excessively. It's important to find a balance between gaming and other activities, like exercise and socializing with friends.