Guided Reading 7-6.5: Technology

Advances in science and technology

- Advances in science and technology became especially intense during the Cold War era. In the race for space, the Soviets launched Sputnik in 1957.This was followed by the start of the United States space program and an increase interest in science and math education . The United States put the first man on the moon in 1969. Following these two milestones in space exploration, the United States and the Soviet Union both launched shuttle missions to accomplish various technological and scientific tasks. The International Space Station (ISS) was a joint venture launched in 1998 by 16 nations to create a working laboratory for experimentation in space.

1. What did the Soviets launch in 1957?

2. What two subjects increased in the United States?

3. What year did the US put the first man on the moon?

4. What was the ISS?

Other advances in technology: THE INFORMATION AGE

Advances occurred in the area of information, technology and communication in the 20th century. Beginning in the 1950s, TV became the primary source to gain access to up -to -date events. This access helped the public understand events like the Civil Rights movement, Vietnam and the Iraqi Wars.

5. What became the primary way to gain access to up-to-date events?

Satellites

Since the launching of the first satellites, these instruments have been used to increase worldwide communication. Satellites enable broadcasts worldwide, linking countries and people around the world. Satellites today can be used for radios, TV access, and other aspects of pop culture.

6. What do satellites enable?

7. What can satellites be used for?

Computers

Computers, once bulky, room –sized machines that were difficult to use, are now as small as the palm of one's hand and do the work once done by several other machines. Computers are used by millions of people around the world to run assembly lines, power modern appliances and assist in business operations.

8. Has the size of a computer changed over the years?

9. What are computers used for?

The Internet
The Internet further connected businesses and individuals. The internet is the connection of computer networks around the world, rising in usage beginning in 1995. The Internet allows information to be transferred between individuals over long distances. This is significant because people can now work from home and easily send information to remote locations.

10. What is the Internet?

11. What does the internet allow information to do?

12. Why is this significant?

Cell Phones
Cell phones now offer access to the Internet, further enhancing remote access. The combination of these technologies has created an interdependent global economy that is dependent on modern technology.

13. What has the combination of cell phones and internet created?