

Advances in Modern Technology

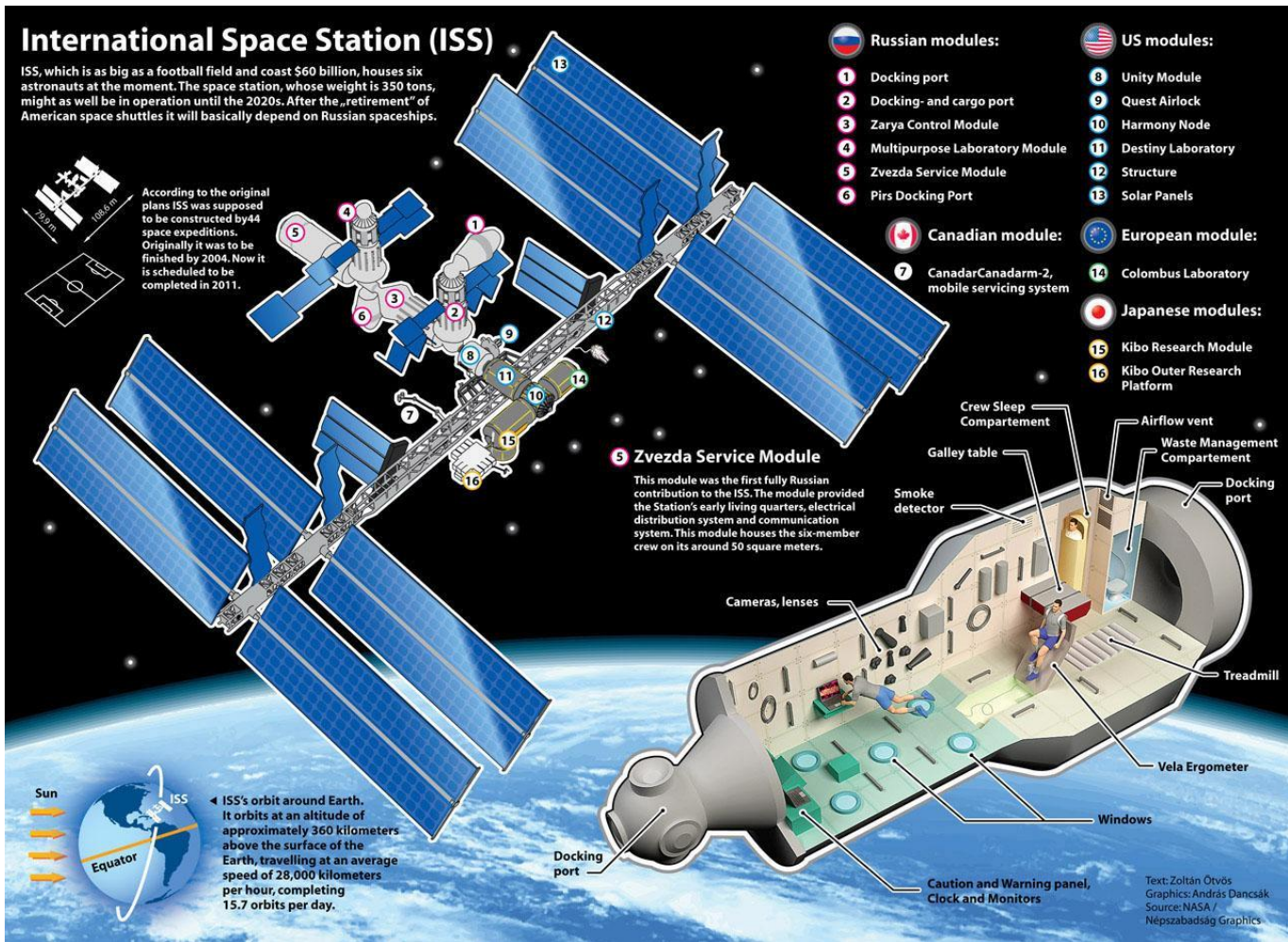
Enduring Understanding: You need to understand that since the fall of the Soviet Union in 1991, the world's attention no longer focuses on the superpowers. Rapid development of technology has allowed other problems to move to the forefront, including problems in the Middle East and other current issues. Television, satellites, computers, and the Internet have played vital roles in the broadcast of modern world problems.



Beginnings of Modern Technology

Modern technology as we know it became especially important during the Cold War era. The space race sparked an interest worldwide in technology and space exploration. When Sputnik was launched by the Soviets in 1957, the United States created a space program to rival that of the Soviet Union. The US began changing public education to make way for the increased interest in science and math. The launching of Sputnik and the first successful lunar landing in 1969 gave way to missions and accomplishments in science and technology that were unimaginable at the time. Sixteen countries came together in 1998 to launch the **International Space Station** (ISS). This became a laboratory that would allow for experimentation in space.





Section Review

1. What event gave way to advances in modern technology?
2. What is the ISS?
3. How did the US respond to the launch of Sputnik?

Twentieth Century Technology and Beyond

Many different forms of technology have been created since the 1950s. Up-to-date news was delivered to people throughout the world by television. Television also gave the world global access to events. Having televisions allowed events like the

Civil Rights Movements, the Vietnam War and the Iraqi Wars to enter our lives on a daily basis. This access has fostered greater empathy and understanding in the general public for events. Satellites have increased worldwide communication. **Globalization** has forever linked countries and allowed us to broadcast events from anywhere. Satellites are used today for television access, radios, internet and various other parts of pop culture.



A family gathers around the living room TV set in the late 1940s or early 1950s.
RCA Photo.



Google TV-2014

Section Review

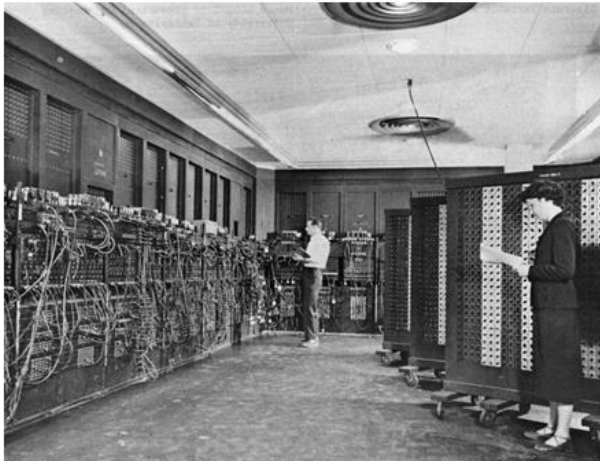
4. What types of technology were created in the twentieth century?
5. How did television impact the Civil Rights Movement, Vietnam War, and Iraq War?
6. What are satellites used for?

The Computer Age

Computers used to take up entire rooms and were very complicated to use. Now they can fit in the palm of our hands and do multiple tasks at one time. Millions of

people around the world use computers to connect with each other and in business. Computers help to power appliances, run businesses and assembly lines. The internet connects people across the globe. Usage of the internet increased since 1995. The internet was created as a system to allow information to be transferred between individuals over long distances. More people now work from home using the internet and cell phones that further enhance remote access. All of these technologies have created an interdependent global economy that requires the use of modern technology.

The ENIAC Computer (1946)



iPad (2014)



Section Review

7. How are computers used today?
8. When did internet usage increase?

Sources:

Image 1: "Advanced Writing Course." *DWRL Lesson Plans*. N.p., n.d. Web. 19 June 2014.

Image 2: "Who Won the Space Race?" *TED-Ed*. N.p., n.d. Web. 19 June 2014.

Image 3: "What Is Happening with International Space Station..." *The Watchers*. N.p., n.d. Web. 19 June 2014.

Image 4: "BabUshka-Dress." *Pinterest*. SuperStock, n.d. Web. 19 June 2014.

Image 5: "Six Hidden Windows 8 Features You Can't Live Without." *Gizmodo*. N.p., n.d. Web. 19 June 2014.

Image 6: "European Satellite Launched to Explore Climate Change." *The Telegraph*. Telegraph Media Group, 22 Aug. 2002. Web. 19 June 2014.

Image 7: "Computer." *Wikipedia*. Wikimedia Foundation, 18 June 2014. Web. 19 June 2014.

Image 8: "Xperia™ Tablet." *Sony Smartphones (Global UK English)*. N.p., n.d. Web. 19 June 2014.