

Impact of Technology

Lesson Overview

Objectives:

1. To describe how technology has affected workplaces and learning experiences.
2. To analyze how technology has affected lifestyle and communication.
3. To interpret how technology has affected economics and environments.
4. To identify the drawbacks of new technology.
5. To predict possible changes caused by the advances of technology.

Class 1

Essential Questions:

1. How does technology change workplaces?
2. How does technology change learning experiences?
3. What are some drawbacks of technology in work and study?

Step 1: Think about the impact of technology in the modern world and what new technology means to you and to different groups of people. Participate in a class discussion to share your ideas.

Step 2: Access the **Action Plan**, **Vocabulary Handout** and **Key Concepts**.

- The **Action Plan** lays out a list of tasks for you to complete during the lesson.
- The **Vocabulary Handout** is a list of terms used throughout the lesson.
- The **Key Concepts** is an outline which identifies the main ideas presented in the lesson which you can fill in to aid in note taking during the lesson.

Step 3: Review the **Why Technology Advances Student Handout**.

- This handout describes the factors which drive technology forward.

Step 4: View the **Work & Study** video segment.

- This video is six minutes long.
- Be sure to utilize the **Key Concepts** for this segment of the lesson.

Step 5: Complete the **Work & Study Check for Understanding**.

- This Check for Understanding is a short review of the content presented in the segment.

Step 6: Begin the **Technology Now & Then Project**.

- Research a case revealing how technology changed lives and prepare to present a discussion on the case in a panel.
- Continue working on this project for homework.

Step 7: Complete the **Future of Technology Exit Ticket Activity**.

Class 2

Essential Questions:

1. How does technology change lifestyle?
2. How does technology change communication?
3. What are some drawbacks of technology in lifestyle and communication?

Step 1: Answer the **Essential Questions**.

Step 2: View the **Lifestyle & Communication** video segment.

- This video is six minutes long.
- Be sure to utilize the **Key Concepts** for this segment of the lesson.

Step 3: Complete the **Lifestyle & Communication Check for Understanding**.

- This Check for Understanding is a short review of the content presented in the segment.

Step 4: Continue working on the **Technology Now & Then Project**.

- Research a case revealing how technology changed lives and prepare to present a discussion on the case in a panel.

Step 5: Reevaluate your answers to the **Essential Questions**, make any changes and turn in.

Class 3

Essential Questions:

1. How does technology change economics?
2. How does technology change the environment?
3. What are some drawbacks of technology in economics and environment?

Step 1: List three economic changes due to technology.

Step 2: View the **Economics & Environment** video segment.

- This video is six minutes long.
- Be sure to utilize the **Key Concepts** for this segment of the lesson.

Step 3: Complete the **Economics & Environment Check for Understanding**.

- This Check for Understanding is a short review of the content presented in the segment.

Step 4: Continue working on the **Technology Now & Then Project**.

- Research a case revealing how technology changed lives and prepare to present a discussion on the case in a panel.

Step 5: Provide a project update as you leave class.

Class 4

Step 1: Review for the assessment.

Step 2: Complete the **Impact of Technology Final Assessment**.

- The Final Assessment is a comprehensive assessment covering material throughout the entire lesson.

Step 3: Share your **Technology Now & Then Projects**.

- Discuss the topics as a group with the class and answer any questions.

Step 4: Submit your project as instructed.

Class 5

Step 1: Consider the scenario provided by your instructor, then get into groups and share your responses.

Step 2: Review the **Technology in History: The Telegraph Student Handout**.

- The handout includes an overview of the history and impact of the telegraph as a communication technology.

Step 3: Complete the **Technology in the Past Century Activity**.

- Research technologies from the past to identify its impact on individuals, societies, cultures, economies and environments.

Step 4: Submit the activity prior to leaving class.