

Defining Technology

NGSS/ISTE Standard: ISTE Standard 7: Global Collaborator (7a)

Grade Level: 6th–7th Grade

Project Title: Understanding Technology in Everyday Life

Objective: Students will explore and define technology by identifying examples and understanding its role in solving everyday problems.

Materials:

- Internet-connected device (optional for research)
- Chart paper or poster boards
- Markers, pens, and pencils
- Magazines or printed pictures (for collage creation)
- Sticky notes or index cards

Step-by-Step Instructions:

1. **Introduction to Technology:**

Begin by brainstorming what technology means. Write student responses on the board.

Share the definition of technology:

"Technology refers to tools, systems, or methods designed to solve problems or make life easier."

2. **Group Activity: Identifying Technology (Day 1):**

- Divide students into small groups.
- Provide each group with sticky notes or index cards.
- Ask them to list as many examples of technology as they can think of, focusing on their daily lives (e.g., transportation, communication, household tools).
- Groups will organize their examples into categories such as communication, transportation, or education.

3. **Collage Creation (Day 2):**

- Provide each group with chart paper or poster boards.
- Students will create a collage or poster displaying their categorized examples of technology.
- Encourage them to include both modern (e.g., smartphones) and traditional (e.g., pulleys, bicycles) technologies.
- Groups can draw, cut out images, or print pictures to add to their posters.

4. **Presentation (Day 3):**

- Each group will present their poster to the class, explaining their categories and how the examples impact everyday life.
- Encourage students to discuss one tool they consider most important and why.

5. **Reflection:**

- After the presentations, have students individually write or share their thoughts on how technology has impacted their lives.

Assessment:

Students will be assessed on:

- Creativity and effort in the collage or poster.
- Clear explanations of categorized examples.
- Participation in the group discussion and presentation.

Safety Note:

Remind students to exercise caution if using scissors or adhesives during the collage activity. Supervise closely to ensure safe use of materials.

Accommodation Note:

- Provide pre-printed pictures for students who may have difficulty drawing or accessing magazines.
- Pair ELL students with peers who can assist in group discussions.
- Offer additional support or modified tasks for students with special needs.