

4565: Computing Foundations for a Digital Age

Unit 1

Day 5 Lesson Plan: Hardware Trading Cards – Work Day

Objective

Students will continue researching their assigned computer hardware component and develop a complete digital trading card that communicates its function, importance, and appearance in a creative, accurate way.

Word Bytes

- **Input Device** – Hardware used to send data into a computer (e.g., keyboard, mouse).
- **Output Device** – Hardware that receives and displays results from the computer (e.g., monitor, speakers).

Materials

- Devices for creating digital trading cards (e.g., Chromebooks)
- Google Slides Trading Card Template (shared via Google Classroom or preferred LMS)

Activities

Quick Review and Check-In

- Ask a few students to share what hardware part they're working on and one interesting thing they've learned so far.
- Remind students what a high-quality card should include:
 - ☐ Image of the component
 - ☐ Clear function or purpose
 - ☐ Fun fact or real-world connection

Independent or Partner Work Time

- Students continue developing their trading cards.
- Encourage creativity in formatting and design while emphasizing accuracy.

Peer Feedback Mini-Round

- Midway through work time, pause for a quick peer review:
 - Pairs trade slides with another group and give feedback on clarity and completeness.
 - Provide a checklist like:
 - ☐ Does the card have all 3 required elements?
 - ☐ Is the image clear and labeled?
 - ☐ Does the explanation make sense?
- Optional: Use a simple feedback form or verbal walkthrough.

Discussion Prompt

- "If you had to build a computer and could only pick five parts—what would you choose and why?"
- Follow-up: "What do your choices tell you about how computers work as a system?"
- Students add “**input device**” and “**output device**” to their Word Bytes dictionary with examples.
 - **Suggested examples:**
 - Input Device – Typing on a keyboard.
 - Output Device – Watching a video on a monitor.

Wrap-Up (Optional Exit Ticket)

- Ask students to reflect in a sentence or two: “What part of the computer surprised you most so far?” or “What role do you think your assigned part plays in making computers useful?”