Instructional Topic: Introduction to Computers  

Textbook/Reference: iCEV Online

Essential Questions: What are the roles of each computer hardware component?

Essential Standard: 1.00

Objective: 1.01

ES: Understand computer fundamentals.

Obj: Students will be able to identify parts and uses of a computer hardware system.

Modifications: ☑ Extra Time ☑ Abbreviated Assignments ☑ Alternate Activity ☒ Coaching ☒ Partner/Assistance ☒ Modified Grading ☒ Other

Literacy Strategies:

☒ Anticipation Guides/K-W-L ☒ Questioning (QAR) ☒ Thinking Maps ☒ Other
☒ Note-taking ☒ Think Aloud ☒ Jigsaw
☒ Graphic Organizer ☒ Summarizing ☒ Think-Pair-Share
☒ Inquiry Charts ☒ Brainstorming ☒ Word Problem Comprehension
☒ Nonlinguistic Representation ☒ Semantic Mapping / Academic Vocabulary

Revised Bloom’s:

☒ Cognitive Process: ☒ Remember ☒ Understand ☒ Apply ☒ Analyze ☒ Evaluate ☒ Create
☒ Type of Knowledge: ☒ Factual ☒ Conceptual ☒ Procedural ☒ Meta-Cognitive

Instructional Outline

Focus & Review: The focus of the lesson is to understand the role of a computer, its components, the role of each computer hardware component, and the different types of computers.

Teacher Input: In a discussion about computer fundamentals with the class, students will view a PowerPoint and take notes as the following questions will be answered: What is a computer?, How is a computer classified?, What are the parts of the computer?, What are the different types of computers?, What are the parts of a computer?, and What is hardware? Students will also define the following vocabulary terms: computer, desktop computer, notebook/tablet computer, laptop computer, and hardware.

Guided Practice: Students will complete the Parts of the Computer Activity. Students will participate in a review activity using Kahoot on computer classifications, computer use, the different types of computers, the parts of a computer, and hardware. Students will also classify the different categories of computers using a Venn Diagram.

Independent Practice: Students will work with a partner to research and create a presentation on the different types of computers. Students will include the type of computer, the appearance of the computer, its use, price, and where it can be purchased.

Explanation of Assessments:

☒ Formative: – Observations, Review games using Kahoot, Socrative, Quia
☒ Summative: Quizzes, Tests

Closure/Review: Students will complete exit tickets and question of the day to check for understanding of the lessons for the day.

Homework: Students will study computer vocabulary and the parts of the computer.

Re-teaching Strategies/Reflections:

Materials Needed:

Textbooks  Chalkboard  Transparencies  Overhead projector  Computer  Video/DVD  Centers  Scissors
Glue  Paper  Markers  Colored Pencils  Highlighters  Note cards  Flash cards  Head phones  Magazines/Newspapers
Supplemental Texts  Graphic Organizers  Calculators  Rulers  Rubrics  Notes  Video Camera  Binders/Binding Supplies
Other

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