

CAPA Level I Science

Strand: INVESTIGATION AND EXPERIMENTATION: Scientific progress is made by asking meaningful questions and conducting careful investigations. As a basis for understanding this concept and addressing the content in the other three strands, students should develop their own questions and perform investigations. Students will:

Standard: KIE4.AL12: Observe common objects by using the five senses.

Alternative Achievement Standard:

✓ Attend to sound.

Manipulatives:

1 metal spoon

1 plastic spoon

Task Preparation:

Direct the student to listen for some sounds. Drop a metal spoon on surface to left of student. Wait four seconds, then drop a plastic spoon on surface to right of student. Give cue. [For students with hearing impairments, position students to feel sound vibration on the surface.]

Cue/Direction:

Which one was louder?

Scoring Rubric:

- (5) Correct with no prompting.
- (4) Correct with verbal or gestural prompt.
- (3) Correct with modeled prompt.
- (2) Correct with hand-over-hand prompt
(student completes task independently).
- (1) Orients to task *or* incorrect response
after attempting the task independently.
- (NR) No response.

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Strand: PHYSICAL SCIENCE: The motion of objects can be observed and measured.

As a basis for understanding this concept:

Standard: 2PC1.CL12: Students know the way to change how something is moving is by giving it a push or a pull. The size of the change is related to the strength, or the amount of force of the push or pull.

Alternative Achievement Standard:

✓Push an object/switch

Manipulatives:

1 two-inch block

Task Preparation:

Place a two-inch block on surface. Demonstrate pushing the block. Give cue. Student completes task by moving the block in a pushing motion.

Cue/Direction:

Push the block.

Scoring Rubric:

- (5) Correct with no prompting.
- (4) Correct with verbal or gestural prompt.
- (3) Correct with modeled prompt.
- (2) Correct with hand-over-hand prompt
(student completes task independently).
- (1) Orients to task *or* incorrect response
after attempting the task independently.
- (NR) No response.