

How objects move and how factors including their size, shape...

describe how objects move and how factors including their size, shape or material influence their movement

Learning intention

- describe how objects move and how factors including their size, shape or material influence their movement

Teach and model

- observing how toys move, and grouping them based on their movement
- observing and describing ways different and unusually shaped objects such as blocks, tubes or eggs move when rolled down a slope
- comparing the way different-sized, similar-shaped objects such as tennis balls, golf balls, marbles or basketballs roll and bounce

Check understanding

- Explain the main idea in how objects move and how factors including their size, shape... using an example.
- Show the idea in a second way: with words, a model, a diagram or symbols.
- Apply the idea to a short unfamiliar situation and justify the result.

Teaching cautions

- Ask the student to explain their choice, not only state an answer.
- Check that key vocabulary is understood in a new example.
- Mix representations so the skill is transferred rather than copied.

Quick lesson sequence

- Connect to prior knowledge and introduce the key vocabulary.
- Model one clear example, then solve a second example together.
- Finish with an independent check and a short student explanation.