

WHAT 0757478868

2026 GRADE 4 RATIONALIZED SCIENCE AND TECHNOLOGY LESSON PLANS TERM 3

WEEK 1

Lesson 1

SCHO OL	LEARNING AREA	GRAD E	ROL L	TIM E
	Science and Technology	4		

- **STRAND:** FORCE AND ENERGY
- **SUB-STRAND:** Force and its effect
- **SPECIFIC LEARNING OUTCOME:** By the end of the lesson, the learner should be able to:
 - Define the term force as used in science.
 - Identify types of forces in nature.
 - Appreciate the importance of force in day-to-day life.
- **KEY INQUIRY QUESTION:** What is force?
- **LEARNING RESOURCES:**
 - Spotlight Science and Technology Grade 4
 - A ball, stones, different surfaces (smooth and rough)
- **ORGANISATION OF LEARNING:** Learners will work in groups to carry out activities.

INTRODUCTION The teacher will ask learners to try and push a desk and then pull it. The teacher will then introduce the term **force** as a push or a pull.

LESSON DEVELOPMENT The learner is guided to:

- **STEP 1:** In groups, discuss the meaning of the term force as a push or a pull.
- **STEP 2:** Go outside and throw a ball up in the air. Observe that it comes down. The teacher will explain this is due to the **force of gravity**.
- **STEP 3:** Release a stone from a raised position and observe it fall. This further demonstrates the force of gravity.
- **STEP 4:** Discuss other examples of gravity (e.g., fruits falling from a tree).

CONCLUSION The teacher will summarize that force is a push or a pull, and gravity is a type of force that pulls things towards the center of the earth.

EXTENDED ACTIVITIES Learners to list two activities they do at home that involve pushing and two that involve pulling.

REFLECTION ON THE LESSON

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Lesson 2

SCHO OL	LEARNING AREA	GRAD E	ROL L	TIM E
	Science and Technology	4		

- **STRAND:** FORCE AND ENERGY
- **SUB-STRAND:** Force and its effect
- **SPECIFIC LEARNING OUTCOME:** By the end of the lesson, the learner should be able to:
 - Define the term force as used in science.
 - Identify types of forces in nature.
 - Appreciate the importance of force in day-to-day life.
- **KEY INQUIRY QUESTION:** Name types of force?
- **LEARNING RESOURCES:**
 - Spotlight Science and Technology Grade 4
 - A toy car, a piece of wood, a smooth tile, a rough surface (e.g., carpet or grass)
- **ORGANISATION OF LEARNING:** Group practical activities.

INTRODUCTION Review the previous lesson on force and gravity. The teacher will ask, "Why is it harder to walk on a muddy path than on a smooth pavement?" This will introduce the force of friction.

LESSON DEVELOPMENT The learner is guided to:

- **STEP 1:** In groups, take a toy car and push it gently on a smooth surface (like a tile or desk). Observe how far it goes.
- **STEP 2:** Push the same toy car with the same amount of force on a rough surface (like a carpet or outside on the grass). Observe that it does not go as far.