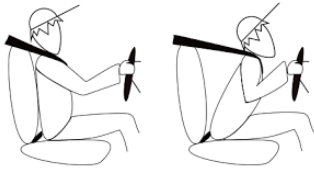


BASIC 7

WEEKLY LESSON PLAN – WEEK 4

Learning Indicator(s)	B7.4.4.1		
Performance Indicator	B7.4.4.1.2 Examine the application of Newton's First Law of motion in life		
Week Ending	07-10-2022		
FORM	B.S.7		
Subject	Integrated Science		
Reference	Curriculum, Teachers Resource Pack, Learners Resource Pack.		
Teaching / Learning Resources	Textbook, Word Chart, Pictures.		
DAYS	PHASE 1 : STARTER	PHASE 2: MAIN	PHASE 3: REFLECTION
MONDAY 03-10-2022	Review Learners knowledge on the previous lesson.	1. Discuss some applications of Newton's First Law of Motion. 2. Learners individually, brainstorm to state examples of Newton's First Law of Motion in their daily lives. Examples of Newton's First Law of Motion in Everyday life; 1. Brakes applied by a Bus Driver Abruptly  2. An Object Placed on a Plane Surface 3. Marathoner Running beyond Finish Line 4. A Ball Rolling on the Ground 5. An Object Thrown in Outer Space	Core Competencies; 1. Explain ideas in a clear order with relevant detail. Can see the importance of including all team members in discussions and actively encourage contributions from their peers in their team 2. Evaluate the quality and validity of information 3. Ability to combine Information and ideas from several

THURSDAY 06-10-2022	Learners brainstorm to state Newton's second law of Motion.	1. Discuss how to apply Newton's second Law of Motion in everyday life. 2. Assist Learners to give examples of Newton's second Law of Motion in their everyday lives. 3. Learners in small groups to practice applying examples Newton's third Law of Motion. Applying Newton's Second Law Of Motion in everyday life; • We always see the applications of Newton's second law of motion in daily life when we try to move an object, like stopping a moving ball rolling on the ground, or pushing a ball to get it to move. • Reducing the weight of racing cars to increase their speed. • Push the cart It is easier to push an empty cart in a supermarket than to push a loaded cart. More mass requires more power for acceleration. • Two people walking Of the two walking people, if one is heavier than the other, the one who weighs the heaviest walks slower because the acceleration of the one who weighs the lighter is more.	Core Competencies; 1. Evaluate the quality and validity of information 2. Ability to combine Information and ideas from several sources to reach a conclusion
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Examples and Applications of Newton's Third Law of Motion in Daily Life;



- Engineers apply Newton's third law when designing rockets and other devices, for example, the rush of gases from the rocket to the top when it ignites causes it to increase its speed.
- When a person walks it affects the earth strongly and the earth also strongly affects it so both the earth and the person affect each other.
- When you jump, your feet apply force to the ground, and the earth applies an equal and opposite reaction force that pushes you into the air.
- When a person is in water, the water pushes the person forward while the person pushes the water back, both affect each other.
- Helicopters create lifting power by pushing the air down, thus exposing it to an upward reaction force.