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THE MOON

SCHEME OF WORK

Suggested time frame: 8 periods (1 period is approximately 40 minutes.)

	No. of Periods			Vocabulary	Resource(s) and Material(s)
1	2	Recognise that a force is a push or a pull. Understand that a force can make an object move. Recognise that wind and water can move objects.	Analysing Communicating Generating possibilities Inferring Observing	Force Motion	Textbook, pp. 113–117 Activity Book, p. 73 Textbooks, rulers, foy cars Rubber bands, penols Rubber bands, penols Putures from envespapers and magazines or photographs showing forces in action, paper arrows of two colours (e.g. red for 'push' and bits for 'push' and bits for 'push'.
2	3	Explain the effects of forces on objects.	Analysing Communicating Inferring Observing	Effect Speed	Textbook, pp. 118–119 and p. 126 Activity Book, pp.74–75 Socoet Book Modelling clay Ball, empty bottle Paper plates, straws, sheets of coloured paper scissors, glue, marbles, ice croam sticks
3	3	Observe that when an object is pushed or pulled, an opposing pull or push can be felt.	Analysing Communicating Formulating hypothesis Inferring Observing	Opposing force	Textbook, pp. 120-125 Activity Book, pp. 76-82 Internat Chalk, topp Switch, flick towels, boxes, door, pencills Switch, flick towels, boxes, door, pencills Optional: Textbooks, rulers, cubes, water Scissors, plastic bags, hole purcher, string, identical exaress, stopward.

Note: This unit is supported by PowerPoint Slides and an online Question Bank, which can be found at: www.MCEduHub.com



Lesson 1

Duration of lesson: 2 periods

Learning objectives

- Recognise that a force is a push or a pull.
- Understand that a force can make an object move. Recognise that wind and water can move objects.
- Hecognise that wind and water ca

Process skills

· Analysing, communicating, generating possibilities, inferring, observing

Vocabulary

Force, motion

	Lesson	Resource(s) and Material(s)
Engage (5 min)	Phonoses saltis: Observing, analysing, communicationy of Get pupils to look at the picture or effectode p. 113 showing an activity that snovkes a push and a pull. The property of the proper	Textbook, p. 113
Explore (15 min)	(Phocas attill: Checking, communicating, inferiors) Disks pupility into groups of the or fine. Get each group to carry out the following satisfy: Place a ruler at an angle against the top of an estact of boots to create a stope, (the and there are book on the communication). Place a ruler at an angle against the top of an estact of boots to create a stope, (the and there are book), and the stope of the stope of the stope of the stope of the stope. Try to make the toy car move down the slope. As pupils the toloring question: As pupils the following question: What day you be use a nubber band to be some pencils together. As the quist the clinication of the stope of	Textbooks, rufers, toy cars Rubber bands, penoils

		Resource(s) and Material(s)
Explain (20 min)	Process stills: Observing, inferring, communicating) - Use Testbook, b. 14 to explain with a force is. - Point out that when we push an object, the object moves towards from use, and when we push an object, the object moves towards from use the object move towards of the object moves object to the object move objects.	Textbook, pp. 114–11:
Elaborate (20 min)	(Process skills: Observing, interring, communicating) Get pupils to carry out the activity in Expitor on Toxtbook p. 115. Get pupils to use Language Connect on Textbook p. 114 to find words that have the same meaning as 'pub' and 'put'. Get pupils to use Research on Textbook p. 117 to find out what at commod is.	Textbook, Language Connect, p. 114, Explore, p. 115 and Research, p. 117
Evaluate (20 min)	Process sittlis Generaling passibilities, communicating, observing, analysing, inferring. • Also papis the following questions: • Also papis the following questions: • Also papis questions: • Paul question question question de la paul que paul que de both a paul and a paul? • Paul; pressing a lit fueton • Paul question que le floor • Paul question que le floor (Accept other possible answers) • What causes a satibout to neve ou vester? • The paul question que de la paul que la paul qu	Activity Book, Activity 1, p. 73 Pictures from newspapers and magazines or photographs showing forces in action, paper arrows of two colours (e.g. red for "push" and blue for "pull")



What Are the Effects of Forces?

Lesson 2

Duration of lesson: 3 periods

Learning objective

· Explain the effects of forces on objects.

Process skills

Analysing, communicating, inferring, observing

Vocabulary

· Effect, speed

		Resource(s) and Material(s)
Engage (30 min)	(Placess skills: Observing, communicating) - Take pupils to a field to jak a game of soccor. - Ask pupils the following questions after the game: - What happened when you kicked the elationary bal? - How did you change the direction in which the ball was moving? - How did you say the ball from moving? - How did you stop the ball from moving?	Soccer ball
Explore (30 min)	Pincoss alilis (Televining, analysing, communicating) Out pugits to recall what all rose is A force is a push or a pull. Get pugits to exercit what all rose is A force is a push or a pull. Get pugits to comy out the activity in Explore on Tendbook Asis pugits the following question: You has beginned to the modelling day as you mould in? Get pugits to use Flashback on Tendbook and was you mould in? Get pugits to use Flashback on Tendbook, 1st 18 to recall that some materials can relient to their original aller and shape after they are present, historick, their or pulled. You have been apply a force on it. Get Was can apply a force on it. Flash as the ball towards the boal and bottle. Pught the ball towards the boal and bottle. Chosene with largeness to the bottle when the ball it is? What largeness to the bottle when the ball it is? The bottle teleples over.	Vestbook, Euglore and Fleshback, Pill B Modelling day B Ball, empty bottle

Lesson 3

Duration of lesson: 3 periods

Learning objective

Observe that when an object is pushed or pulled, an opposing pull or push can be felt.

Process skills

Analysing, communicating, formulating hypothesis, inferring, observing

Vocabulary

Opposing force

		Resource(s) and Material(s)
Engage (10 min)	(Process skills: Observing, analysing, communicating) • Show pupils an arimation on balanced and unbalanced forces at the process of the pro	Internet
Explore (15 min)	(Phocas Jalls: Checking, adayling, communicating) Select stop upon to play a game of hope drear. > Draw a line on the ground using the challs. Drude the pupils into bue group of times. Could be published to be ground using the challs. Out the pupils into bue group of times. Out the other two pupils to stand behind their groupsato. Out the groups to hold onto each will of the ripo. I det the groups to hold onto each will of the ripo. As pupils the following questions: As pupils the following questions: I show the pupils the country of the pupils of the pupils of the country of the pupils	Chall, rope
Explain (15 min)	(Phocess still: Observing) Get public carry out the following actions and observe whether they feel a force pushing back on their hands: Publing on a wall For the control of the contr	Textbook, pp. 120–122