

CLASS-08  
PHYSICAL SCIENCE  
LESSON PLAN  
**CHAPTER: 01 – FORCE**

PERIOD NUMBER	CONCEPTS / TEACHING POINTS	PAGES IN TEXT BOOK		TEACHING PROCEDURE	TEACHING LEARNING MATERIAL	EVALUATION
		FROM	TO			
1.	What is force ?	1	3	Conversation	Chart, Photographs related to the activities like pull or push	What is force?
	Identifying Push or pull			Activity		Can we see force? Give two examples for each of activities pull and push?
2.	Types of forces	3	5	Activity	Tooth paste, Magnet, Iron nails, Ball, Duster, White paper, Shot put ball, Ball, Marble, Iron ball, Ring ball, Top	What are contact forces?
	Contact forces and field forces			Activity		Name any two contact forces?
	Muscular, friction forces			Activity		Is driving a car with hands is contact force?
3.	Motion of an object on an inclined plane	5	6	Activity	Card board sheet, Ice cube, Eraser, Rupee coin, Oil, White Paper, Pen, Chalk, Stone Slate, Tile slate	What happened if there is no friction in the world?
	Normal force – tension force			Conversation		What is tension force? What is normal force?
<p><b>NAGA MURTHY- 9441786635</b>            Contact at : <a href="mailto:nagamurthysir@gmail.com">nagamurthysir@gmail.com</a>            Visit at : <a href="http://ignitephysics.weebly.com">ignitephysics.weebly.com</a></p>						

4.	To find the limiting force that can be beared by a string	6	7	Laboratory Experiment	Spring balance, Weight hanger, Weights, Sand, Pan for balance, Light strings (of same substance)	What is meant by limiting force?
5.	Forces at a distance	7	9	Conversation	Bar magnet, Needles-2, Pen, Stone, Foam balls-4, Balloon, Paper Plastic paper	Give two examples for field forces?
	Magnetic, electro static, Gravitational forces			Activity		What is gravitational force?
6.	Explaining of force acting at a distance	9	10	Conversation	Bar magnet, White paper, Iron fillings	What is a line of magnetic force?
	Concept of field force			Activity		
7.	Net force	10	11	Conversation	Chart, Table	What is meant by net force?
	Effect of net force acting on a table			Activity		
8.	Effects of stretched rubber bands on fingers	11	12	Activity	Rubber bands-5, Chart	Show the forces acting on a car at rest?
	Calculating net force from FBD			Conversation		
9.	Effect of force on the direction of motion	13	14	Activity	Ball, Carom board and coins set with striker	Is force change the direction?
	Effect of force on the state of the body			Conversation		Give one example for which force change the direction?
	Effects of net force on direction of moving object			Activity		
<p><b>NAGA MURTHY- 9441786635</b>  Contact at : <a href="mailto:nagamurthsir@gmail.com">nagamurthsir@gmail.com</a>  Visit at : <a href="http://ignitephysics.weebly.com">ignitephysics.weebly.com</a></p>						

10.	Other effects of force	14	14	Activity	Chart, different articles like rubber band, knife and fruit, Paper, Plastic bottle, Photo graphs	Give one example for which force change the shape of an object?
	Effects of force on shape of an object			Conversation		
11.	Change in effect of force with area of contact	14	15	Activity	2 Kg Vegetables, Shopping bag, Polythene bag, Two glasses, Two bricks, Card sheets-4, Water	What are the units for pressure in S.I. system?
	Force / pressure units			Conversation		
12.	Identifying effects of force	15	15	Activity	Two trays, Sand, Lime powder, Two bricks, Three knives (Different edges), Three onions, Photos related	What is the relation between effect of force and the area of contact?

NAGA MURTHY- 9441786635  
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 Visit at : [ignitephysics.weebly.com](http://ignitephysics.weebly.com)