

MODEL LESSON PLAN

CLASS: 08 SUBJECT: PS

Name of the Teacher: M.SRINIVASA RAO

Name of the School: SPSMHS,GUDIVADA

Name of the	Торіс	No.of Periods	Timeline for teaching		Any specific
Lesson/Unit		Required	From	То	information
	Force- A push or pull	2			
	Forces are due to an interaction	1			
	Exploring forces	2			
	A force can change the state of motion	1			
FORCE AND	Force can change the shape of an object	1			
PRESSURE	Contact forces Muscular force	2			
	Non-contact forces Magnetic force	2			
	Pressure	2			
	Pressure exerted by liquids and gases	2			
	Atmospheric pressure	1			

Prior Concept/Skills:

- 1. When do objects move from the rest position?
- 2. What type of action need to open your house door?
- 3. How do fielders stop a ball hit by a batsman?
- 4. Why does the shape of the toothpaste tube change when we squeeze it?

Learning Outcomes:		No. of Periods
1.	Classifies situations based on applied force whether it is pushed or pulled.	2
2.	Differentiate materials of contact and non-contact forces.	1
3.	Flow chart of types of forces.	2
4.	Measure the net force on the system/object	1
5.	Conduct a simple investigation to seek answers to queries about when a body is dropped from a building, the speed of the	2
	falling body increases.	2
6.	Writes word equation for pressure.	
7.	Relates process with causes of the area of contact depending on the pressure.	1
8.	Relates processes and phenomenon with causes why is cutting edge of knife made sharper.	1
9.	Measure the atmospheric pressure	1
10	. Conduct a simple investigation to seek answers to queries about Do liquids exert equal pressure at the same depth?	1
11	. Applies to learning of scientific concepts in the day-to-day life of pressure situations	1
12	Discusses and appreciates stories of scientific discoveries of Otto von Guericke.	1



- 1. Students are usages the different types of forces in our daily life and Identify the types of force with situations.
- 2. Students collect the information of atmospheric pressure
- 3. Observe the filling of air into the vehicle tyres and collect the data of how much air pressure is needed for the vehicles.
- 4. Students are able to understand the applications of pressure in our daily life and utilized it.

Explicit Teaching/Teacher Modelling	Group Work (We Do)	Independent Work (You Do)	Notes for:
1. Discussion and Identify actions as push or pull.	1. Students complete the puzzle on activities of push or pull	1. Students identify the push and pull action	1. Express when you apply push and pull in
2. Discussion and Illustrations of forces are due to an interaction.	2. Students collect the information of forces are due to an interaction.	2. Viewing the content in Byju's Tab	daily life

3. Discussion and Explain of Exploring Forces	3. Solved the problems of net force in own way	3. Write the definition of the net force	2. What is the unit of force?
4. Explain that a force can change the state of motion & a force can change the shape of an object.		4. Students complete the homework	3. What can bring change in state of
5. Explain and conduct activities of contact Forces.	4. Conduct an oral quiz on types of forces	5. Viewing the content in Byju's Tab	object?
 Explain and conduct activities of Non-contact Forces. 		6. draw the flow chart of non-contact forces.	4. What does a non-contact
7. Review of Byju's Tab content	5. Viewing the content in Byju's Tab	7. Viewing the content in Byju's Tab	iorce require?
8. Conduct and observe an experiment of attraction and repulsion between two magnets.	6. Students collect the magnetic materials	8. Students give examples of magnet force. Viewing the content in Byju's Tab	5. Can force act without an interaction
9. Conduct and observe an experiment of a straw rubbed with paper attracts another straw but repels it if it has also been rubbed with a sheet of	7. Students complete the task on electrostatic force	9. Express the procedure of the experiment in own way. Viewing the content in Byju's Tab	between two objects?
paper.			6. Write the
10. Discussion and explain the concept of pressure.		10. Expressed units of pressure	pressure?
11. Conduct an experiment of pressure exerted by liquids and gases.	8. Collect the information of pressure exerted by liquids and gases.	11. Viewing the content in Byju's Tab	7. Write any two
12. Explain atmospheric pressure.		12. Viewing the content in Byju's Tab	atmospheric
13. Discussion on applications of Pressure	9.Students collect the information of pressure and applications of pressure in our daily life	13. Solved the problems in own way	pressure.
14. Review of Byju's Tab content	10. Viewing the content in Byju's Tab	14. Viewing the content in Byju's Tab	

1. Factual: (Digital+Print) 1. What happens to the spring fixed to the seat of a bicycle when we sit on it? (Digital+Print) 2. Why do balloons expand when filled with air? 1. Used prepared Quiz paper. 3. Why the tip of a sewing needle is sharp? 2. Utilized digital classroom. 2. Open Ended/Critical Thinking: 1. Used prepared Quiz paper. 1. Is the gravity a property of earth only? 2. Why are we not crushed by atmospheric pressure? 3. If gravitational force exists then why does fire go in the upward direction? 3. Provide video links 0. GR codes, DIKSHA 1. Give two examples of situations in which applied force causes a change in the shape of an object. 3. A blacksmith hammers a hot piece of iron while making a tool. How does the force due to hammering affect the piece of iron? 4. YouTube 3. Name the forces acting on a plastic bucket containing water held above ground level in your hand. Discuss why the forces acting on the bucket do not bring a change in its state of motion. 4. Describe an activity on how pressure is exerted by the liquids. Assessment: 1. Do you think sometimes the application of force does not result in a change in the state of motion?- Discuss. 2. Porters place a round piece of cloth on their heads when they have to carry heavy loads. Why? 3. Calculate the pressure, if a force oor 100 N acts on area of 10 m ² ? 4. Collect the information between contact forces	Check For Understanding Questions	TLM's		
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SIGNATURE OF THE TEACHER

SIGNATURE OF THE HEADMASTER

VISITING OFFICER WITH REMARKS