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Class: V

Sub.tec: Naina paswan

Subject: SCIENCE

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BASED ON N.C.E.R.T PATTERN

LESSON: 13. SIMPLE MACHINES

All the kids will try to make all the parts at home

1.

Brain Quest
Complete the following puzzle :

1. A machine with a slope.
2. A simple machine where a rope is used.
3. A simple machine where fulcrum, load and effort are involved.
4. A machine with two inclined planes.
5. A simple machine used to hold things tightly.

The crossword puzzle grid is as follows:

1 I				5 S				2 P			
								3 L			
								4 W			

2

Explore Your World
Classify the following and fill in the table :

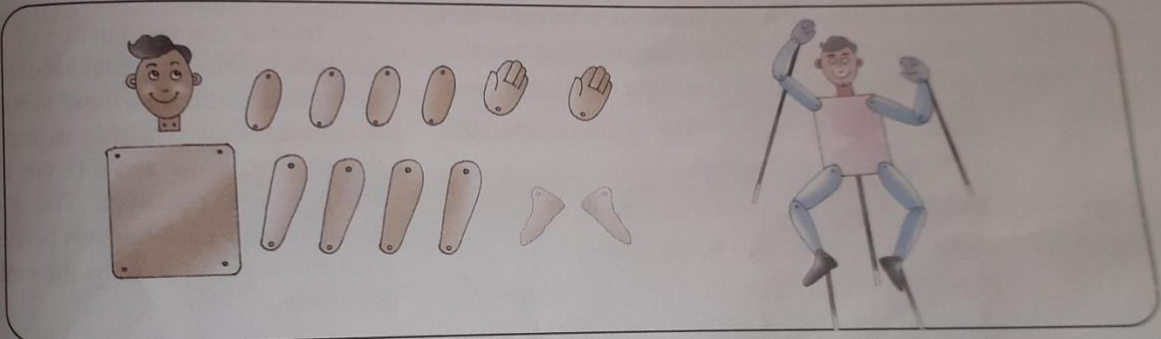
Inclined Plane	Pulley	Wheel & axle	Lever	Wedge	Screw

Bottle opener Spiral stairs Revolving chair Pin Scissors
 Nail Blades Needle Slope Screw
 See-saw Mountain road Axe Nut cracker Pliers
 Wheels of a car Tongs Knife Tap knobs

3.

2. Stick Puppet

You Need :
A piece of heavy cardboard (20 cm × 10 cm), gel tip pens (sketch pens), a pair of scissors, drawing pins (paper fasteners), five drinking straws and a cellotape.



Method :

- Draw the shapes shown above on a heavy cardboard and cut them out.
- Punch the holes through each piece as shown.
- Link the leg pieces together with the paper fasteners. Do the same for arm pieces.
- Link the arms and the legs to the body.
- Tape a drinking straw to each of the puppet's feet. Stick the rest of the straws to the puppet's head and hands (on back side as shown).
- Use sketch pens to colour the face and to draw the eyes, mouth, nose and ears. Your puppet is ready. All the joints of your puppet work like fulcrums. This toy of yours is made up of many levers.