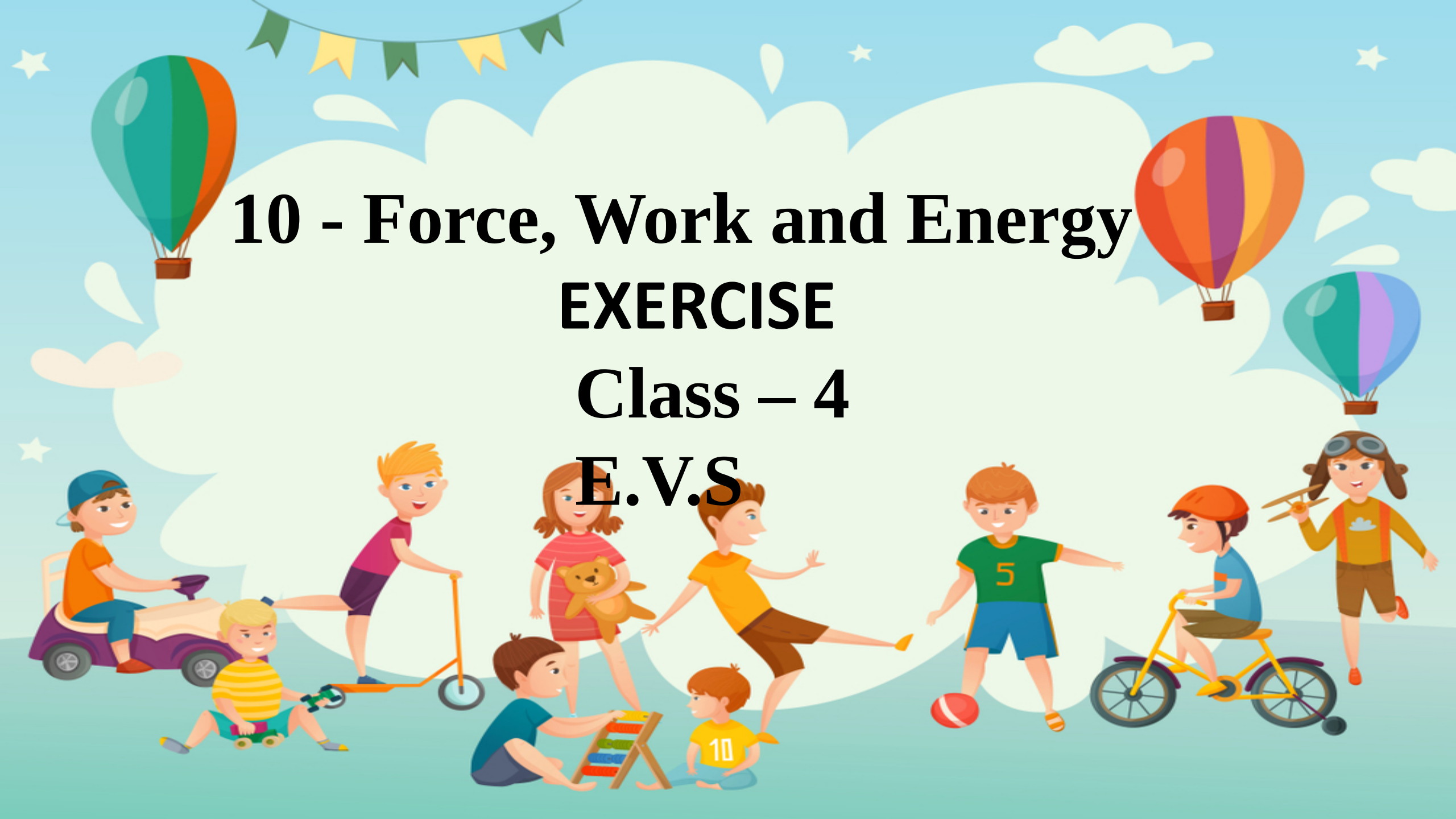
10 - Force, Work and Energy

EXERCISE

Class – 4

E.V.S



A. Multiple Choice Questions (MCQs).

Choose the correct answer from the following:

1. The energy obtained by burning coal is called

a. heat b. chemical c. electrical

2. The capacity to do work is called

a. energy b. force c. friction

3. To do work we need to apply

a. energy b. force c. money

B. Fill in the blanks.

1. A force is a _____ _____ or a .
2. The force of _____ pulls everything down.
3. When a force moves an object, _____ is done.
4. Coal and petrol are _____.
5. A moving football comes to stop after sometime because of the force of _____.

C. State whether the given statements are True or False.

1. Energy is required to do work.

2. Things can move without any force acting on them.

3. If an object thrown upwards, comes down after sometime, shows that a force is acting on it.

4. Plants use energy from the sun to make food.

5. Energy of wind can be used to generate electricity.

D. Name them.

1. The form of energy the plants use to make food. _____
2. The form of energy we get from the sun. _____
3. The energy we use to run computers. _____
4. The main source of light and heat energy. _____
5. The energy generated from moving water. _____

E. Answer the following questions.

1. What is the energy?
2. Name the different forms of energy.
3. What is force?
4. List four things that the force can do?
5. Give one main use of each form of energy.

Life Skill

A. Save Energy

We should practice the following steps to save energy:

a. Use bicycle or walk on foot to go to nearby places.

b. Ask your elders to use public transport, instead of using your own.

c. Ask your parents to use solar appliances at home.

d. Switch off the fans and lights when there is nobody in the room.

B. Assignment: Make your own vehicle

Material required

A cotton reel, a bead, three matchsticks and an elastic band

Method

Put the elastic band through the bead and then pass the matchstick through it.

Pull the elastic band through the cotton reel and hold it tightly with another matchstick.

Now wind the vehicle up by turning the matchstick in the bead. See how far it goes.

THANK
YOU