

Lesson Plan

Grade: Five

Subject: Science

Term: 2nd

Time: 40min

Teacher's Name: _____

Week: 10

Day: 1

Chapter 7: Electricity and Magnetism

Topic: Types of Magnets

Objective(s):

At the end of this period, the students will be able to:

- Explain different types of magnets (permanent, temporary magnet and electro-magnet).

Resource Materials:

Chalk/marker, white/blackboard, different shapes of magnets, worksheet, Science Textbook

Warm-up Activities

5mins

Before beginning the lesson, ask students to say "Tasmiya."

Ask them: What do you know about magnetic compass? Wait for their responses.

Teaching and Learning Activities:

25mins

- Write the topic name 'Types of magnets' on the board.
- Show students different magnets and ask about them. Let them respond.
- Tell them magnets are made of metals. There are three types of magnets.
- Permanent magnets
- Temporary magnets
- Electromagnet
- A permanent magnet is one that retains its magnetic properties for a long period of time. Even if they break into two parts, each part acts as a magnet, independently.
- Permanent magnets include bar magnets, ring magnets, disc magnets, etc.

Review:

3mins

Explain the main points about types of magnets.

Evaluation:

5mins

To check the understanding of students, ask them:

- What are types of magnets?
- What are permanent magnets? Give some examples.

Homework:

2mins

Ask student to learn the topic. And solve the given worksheet.

Worksheet

Q1. Match the picture of type of magnet with its name.



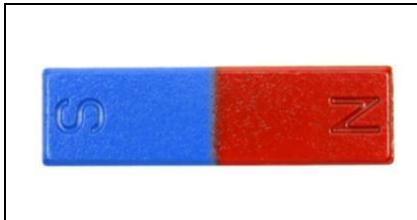
Bar magnet



Disc magnet



Horseshoe magnet



Button magnet

Lesson Plan

Grade: Five	Subject: Science	Term: 2 nd	Time: 40min
Teacher's Name: _____		Week: 10	Day: 2
Chapter 7: Electricity and Magnetism		Topic: Types of Magnets	

Objective(s):

At the end of this period, the students will be able to:

- Explain different types of magnets (permanent, temporary magnet and electro-magnet).

Resource Materials:

Chalk/marker, white/blackboard, Iron nails, Battery, wire, Science Textbook

Warm-up Activities

5mins

Before beginning the lesson, ask students to say "Tasmiya."

Ask them: What are types of magnets? What are permanent magnets? Wait for their responses. Appreciate them for good response.

Teaching and Learning Activities:

25mins

- Write the topic name 'Types of Magnets' on the board.
- Tell students you have learnt about permanent magnets in previous lecture. Today we will learn about temporary magnets and electromagnet.
- Now tell them about one by one.
- Temporary Magnets: They lose magnetism as soon as magnetic field is removed. The temporary magnet are usually made of iron, cobalt or nickel.
- These magnets become magnetic in presence of a magnetic field. The temporary magnets retain their magnetic properties only for a short period of time.
- Now tell them about electromagnet.
- Electromagnet: An electromagnet can be defined as a magnet which is made with the help of electricity.
- Electromagnets are temporary magnets. Because it produces a magnetic field only when the current flows in its coil. Electromagnets are used in doorbells, cranes, loudspeaker, etc.
- Ask students to open their textbook and do the activity.

Review:

3mins

Explain the main points about Temporary magnets, Electromagnets.

Evaluation:

5mins

To check the understanding of students, ask them:

- What are electromagnets?
- What is temporary magnets? Give some examples.
- Where do we use electromagnets?

Homework:

2mins

Ask students to learn the topic.

Lesson Plan

Grade: Five	Subject: Science	Term: 2 nd	Time: 40min
Teacher's Name: _____		Week: 10	Day: 3
Chapter 7: Electricity and Magnetism		Topic: Exercise	

Objective(s):

- Solve Exercise

Resource Materials:

Chalk/marker, white/blackboard, Science Textbook

Teaching and Learning Activities:

30mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Tell students they are going to solve the exercise of chapter 7.
- Briefly explain all topics and ask questions related to them. Wait for their responses.
- Ask students to open their textbooks and solve MCQ's.
- Ask them to solve the research work.
- Ask the students to open their textbooks and help the students to complete the given project.

Review:

0mins

N/A

Evaluation:

5mins

To evaluate the understanding of students, check their work.

Homework:

5mins

Ask students to revise the Exercise of chapter 7.

Lesson Plan

Grade: Five	Subject: Science	Term: 2 nd	Time: 40min
Teacher's Name: _____		Week: 10	Day: 4
Chapter 6: Light and Sound		Topic: Revision	

Objective(s):

- Revise all the concepts of chapter 6.

Resource Materials:

Worksheet

Teaching and Learning Activities:

10mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Tell students today they are going to revise the chapter. So that they can easily prepare for exams.
- Ask students to revise the topics. Guide them if needed.
- Now arrange them, and distribute worksheet among them.
- Ask them to solve worksheet on time.

Review:

10mins

Check students worksheet and correct their mistakes.

Evaluation:

0mins

N/A

Homework:

0mins

N/A

Answer the following questions.

i) Define natural and artificial sources of light.

ii) Differentiate between luminous and non-luminous objects.

iii) What is reflection of light?

iv) What is noise?

v) What is sound?

How shadow is formed?

Differentiate between shiny surfaces and dull surfaces.

Define transparent, translucent and opaque materials? Explain with example.

Lesson Plan

Grade: Five	Subject: Science	Term: 2 nd	Time: 40min
Teacher's Name: _____		Week: 10	Day: 5
Chapter 7: Electricity and Magnetism		Topic: Revision	

Objective(s):

At the end of this period, the students will be able to:

- Revise all the concepts of chapter 7.

Resource Materials:

Worksheet

Teaching and Learning Activities: 10mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Tell students today they are going to revise the chapter. So that they can easily prepare for exams.
- Ask students to revise the topics. Guide them if needed.
- Now arrange them, and distribute worksheet among them.
- Ask them to solve worksheet on time.

Review: 10mins

Check students worksheet and correct their mistakes.

Evaluation: 0mins

N/A

Homework: 0mins

N/A

Answer the following questions.

i) What are the colors of poles on a magnet?

ii) What is compass? Why is it used?

iii) What is static electricity?

iv) Differentiate between open circuit and close circuit.

v) What are electromagnets?

Look at the figures and write in which figures poles attract or repel each other.

Fig I



Fig II



Fig III






Fig IV



Give reasons.

Identify the type of magnet and write its name in the box.

		
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