

Lesson Plan

Grade: Five	Subject: Science	Term: 3 rd	Time: 40min
Teacher's Name: _____		Week: 8	Day: 1
Chapter 10: Technology in Everyday Life		Topic: Spirit Level	

Objective(s):

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

- Use spirit level/water level to compare the level of different objects (table, picture, frame etc).

Resource Materials:

Chalk/marker, white/blackboard, Science Textbook, Spirit Level

Warm-up Activities

5mins

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

Ask them: What do you know about model making? Wait for their responses.

Teaching and Learning Activities:

25mins

- Write the topic name 'Spirit Level' on the board.
- Tell the students' today we will learn about Spirit Level.
- Tell students a Spirit Level is an instrument used for checking the horizontality of surfaces.
- Show them a Spirit Level.
- Tell them it is usually made up of a glass tube containing liquid with a bubble.
- Carpenters, masons, etc. use it in their work.
- Tell students how to use it by demonstrating it in front of them.
- Ask students to check level of different objects using a Spirit Level. Check their work.
- Ask them open their textbook and do the activity.

Review:

3mins

Explain the main points about the use of Spirit Level.

Evaluation:

5mins

To check the understanding of students, ask them:

- What is spirit level?
- What is the use of Spirit level?
- What are the steps to use a Spirit Level?

Homework:

2mins

Ask students to learn the topic.

Lesson Plan

Grade: Five	Subject: Science	Term: 3 rd	Time: 40min
Teacher's Name: _____		Week: 8	Day: 2
Chapter 10: Technology in Everyday Life		Topic: Plumb Line	

Objective(s):

- Use a plumb line to install a flagpole vertically and make a sun clock.

Resource Materials:

Chalk/marker, white/blackboard, Science Textbook, plumb line, Worksheet

Warm-up Activities

5mins

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

Ask them: How is a Spirit Level used? Wait for their responses.

Teaching and Learning Activities:

25mins

- Write the topic name 'Plumb Line' on the board.
- Tell the students we will learn about Plumb Line.
- Tell students a Plumb Line is usually a string with a weight (plumb bob) at one end.
- The weight has a pointed tip at the bottom.
- It is used as a vertical reference line.
- The free end of the string has a square plate whose sides are equal to diameter of the bob.
- It is used by masons to check the verticality of wall, during construction.
- Tell students how to use Plumb Line by demonstrating it in front of them.
- Ask them to open their textbooks and read the contents.
- Ask students to open their textbooks and do the activity.

Review:

3mins

Explain the main points about using a plumb Line.

Evaluation:

5mins

To check the understanding of students, ask them:

- What is Plumb Line?
- How is a Plumb Line used?

Homework:

2mins

Ask students to learn the topic, and solve the given worksheet.

Answer the following questions.

i) Write three common safety rules at home.

ii) State three safety measures taken in the lab.

iii) What is the difference between spirit level and plumb line?

Plumb

Spirit Level

iv) What are the steps to use a spirit level?

Lesson Plan

Grade: Five	Subject: Science	Term: 3 rd	Time: 40min
Teacher's Name: _____		Week: 8	Day: 3
Chapter 10: Technology in Everyday Life		Topic: Making Technical Devices, Preparing LED Light String	

Objective(s):

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

- Prepare LED light strings working with 12 volt battery.

Resource Materials:

Chalk/marker, white/blackboard, LED, 12 volt battery, cardboard, connecting wires, cutter, Science Textbook

Warm-up Activities

5mins

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

Ask them: What do you know about Plumb Line? Wait for their responses.

Teaching and Learning Activities:

25mins

- Write the topic name 'Making Technical Devices, Preparing LED Light String' on the board.
- Tell the students today we will learn about the making technology devices and preparing LED light string.
- Tell the students about one by one.
- Now explain about making technical devices.
- Tell students technical devices are devices to create, store and transmit information.
- Technical devices make our life easy.
- Tell them computers, phones, cameras, etc. are technical devices.
- Now write 'LED light string' on the board.
- Tell students a LED is a small bulb that glows when a small voltage of 2 to 3 volts is applied to it. It has two legs, i.e. one is longer and other is shorter. Longer leg is positive and shorter leg is negative. Draw a LED on board and label its legs.
- Tell students how a LED light string is made by demonstrating it in front of them by using the required material.
- Ask them to open their textbooks and do the activity.

Review:

3mins

Explain the main points about technical devices and LED light string.

Evaluation:

5mins

To check the understanding of students, ask them:

- What are technical devices?
- What is LED?
- What are the steps to make LED light string?

Homework:

2mins

Ask students to learn the topic.

Lesson Plan

Grade: Five

Subject: Science

Term: 3rd

Time: 40min

Teacher's Name: _____

Week: 8

Day: 4

Chapter 10: Technology in Everyday Life

Topic: Making a Musical Instrument

Objective(s):

- Make a musical instrument from easily available resources.

Resource Materials:

Chalk/marker, white/blackboard, Science textbook, glasses, spoon

Warm-up Activities

5mins

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

Ask them: What are the steps of making LED light string? Wait for their responses.

Teaching and Learning Activities:

25mins

- Write the topic name 'Making a Musical Instrument' on the board.
- Tell the students today we will learn about how to make a musical instrument.
- Tell students music is a source of entertainment for people. It can be made by using different instruments.
- Tell them how a musical instrument is made by demonstrating it by using the required material.
- Take four glasses of same size and shape.
- Fill one glass with water up to the brim.
- Fill the second glass about 3/4th.
- Fill the third glass half with water.
- Leave the fourth glass empty.
- Tap the side of each glass with a spoon.
- Each glass will give a different sound volumes of air-columns in each glass.
- Try creating some other musical note, like a guitar under the guidance of your teacher.

Review:

3mins

Explain the main points about how to make musical instrument.

Evaluation:

5mins

To check the understanding of students, ask them:

- What is music?
- What are the steps to make a musical instrument?

Homework:

2mins

Ask students to learn the topic.

Lesson Plan

Grade: Five	Subject: Science	Term: 3 rd	Time: 40min
Teacher's Name: _____		Week: 8	Day: 5
Chapter 10: Technology in Everyday Life		Topic: Making a Model of Movable Wagon	

Objective(s):

- Make moveable van, bus, trolley etc.

Resource Materials:

Chalk/marker, white/blackboard, cardboard, coloured paper, white chart paper paint, Science Textbook, Worksheet

Warm-up Activities

5mins

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

Ask them: What are steps of making musical instrument? Wait for their responses.

Teaching and Learning Activities:

25mins

- Write the topic name 'Making a model of Movable wagon' on the board.
- Tell students how a movable wagon is made by demonstrating it in front of them by using the required material.
- Make a sketch of the floor of a wagon on the cardboard.
- Cut the cardboard along the blue boundary.
- Fold the cardboard and stick packing tape around them to make the main structure.
- Draw circles on the cardboard to make wheels.
- Cut the circles. Drill hole in their centers.
- Fix the two wooden sticks under the wagon structure using packing tape.
- Fix 2 wheels per stick.
- Cut a paper about size of the wagon to make cover of the wagon.
- Fold it and fix it over the wagon to make the roof of the wagon. The wagon is ready.

Review:

3mins

Explain the main points about how to make a movable wagon.

Evaluation:

5mins

To check the understanding of students, ask them:

- What are the steps to make the movable wagon.

Homework:

2mins

Ask students to learn the topic, and solve the given worksheet.

Answer the following questions.

i) What are technical devices?

ii) What are the LEDs?

iii) What is music?

iv) What are the steps to make a musical instrument?

v) What is the material required to make a movable wagon?
