

Pre-vocational Activities

ACTIVITY	GROWING VEGETABLES
SUBJECT	SCIENCE
CLASS	VI
CHAPTER NO.	01
CHAPTER TITLE	FOOD : WHERE DOES IT COME FROM

INTENDED LEARNING OUTCOMES
Describe the importance of planting vegetables at Home Identify the materials required for planting vegetable seeds/seedlings. Describe the importance of organically grown food. Describe the role played by the various plant parts in food production.

ACTIVITY	PREPARATION OF SPROUTS
SUBJECT	SCIENCE
CLASS	VI
CHAPTER NO.	2
CHAPTER TITLE	COMPONENTS OF FOOD

INTENDED LEARNING OUTCOMES
Demonstrate the knowledge of preparing sprouts. Describe the importance of sprouts as a healthy and nutritious food. Describe the importance of light, water and temperature in seed germination. Explain the reasons for varied requirements of seeds for germination.

ACTIVITY	MAKING KALEIDOSCOPE
SUBJECT	SCIENCE
CLASS	VI
CHAPTER NO.	11
CHAPTER TITLE	LIGHT SHADOWS AND REFLECTIONS

INTENDED LEARNING OUTCOMES

Describe the concept of kaleidoscope as a way of using mirrors to show how symmetrical patterns can be changed as the mirrors are moved.
Describe the concept of reflection of light.
Create a variety of kaleidoscope.

ACTIVITY	DECORATING FRIDGE MAGNET
SUBJECT	SCIENCE
CLASS	VI
CHAPTER NO.	13
CHAPTER TITLE	FUN WITH MAGNETS

INTENDED LEARNING OUTCOMES

Identify and select the materials which are generally used for making refrigerator magnets;
Demonstrate the procedure for making different types of refrigerator magnets.
Describe the use of magnets in everyday life, for example, door bells, TVs, refrigerators, earrings, electricity gadgets, locks, whiteboards, etc.

ACTIVITY	BUBBLE PAINTING
SUBJECT	SCIENCE
CLASS	VI
CHAPTER NO.	14
CHAPTER TITLE	WATER

INTENDED LEARNING OUTCOMES

Identify and select materials which are generally used to make bubble painting.
Describe the basic principles of design and colour
Demonstrate the procedure to create bubble painting.

ACTIVITY	VERMICOMPOSTING
SUBJECT	SCIENCE
CLASS	VI
CHAPTER NO.	16
CHAPTER TITLE	GARBAGE IN, GARBAGE OUT

INTENDED LEARNING OUTCOMES

Describe the life cycle of earthworms.
Explain why the earthworms are known as friends of farmers.
Identify and select the waste materials which are generally used for making vermicompost.
Identify and handle the various tools, equipment and materials used for making vermicompost.
Demonstrate the procedure for making vermicompost on a small scale.
Describe the use and application of vermicompost.

ACTIVITY	KNOTTING AND JUTE TYING
SUBJECT	SCIENCE
CLASS	VII
CHAPTER NO.	3
CHAPTER TITLE	FIBRE TO FABRIC

INTENDED LEARNING OUTCOMES

Identify and select materials which are used for knotting.
Demonstrate the procedure of making knots using yarn or jute.

ACTIVITY	MEASURING BODY TEMPERATURE
SUBJECT	SCIENCE
CLASS	VII
CHAPTER NO.	04
CHAPTER TITLE	HEAT

INTENDED LEARNING OUTCOMES

Describe the importance of measuring body temperature.
Identify the site of measuring body temperature
Convert temperature measured in Fahrenheit to Centigrade
Describe the normal, average and range of body temperature

ACTIVITY	STAIN REMOVAL
SUBJECT	SCIENCE
CLASS	VII
CHAPTER NO.	5
CHAPTER TITLE	ACID, BASES AND SALTS

INTENDED LEARNING OUTCOMES

State the causes of stain on fabrics.
Identify the type of stain.
Demonstrate the procedure for removing stains caused due to vegetable, animal, mineral and oil.

ACTIVITY	ORIGAMI
SUBJECT	SCIENCE
CLASS	VII
CHAPTER NO.	6
CHAPTER TITLE	PHYSICAL AND CHEMICAL CHANGES

INTENDED LEARNING OUTCOMES

Describe the benefits of Origami in understanding 3D concepts and symmetry.
Demonstrate the procedure for making different types of origami arts.

ACTIVITY	PREPARATION OF MILK PRODUCT
SUBJECT	SCIENCE
CLASS	VIII
CHAPTER NO.	02
CHAPTER TITLE	MICROORGANISMS: FRIENDS AND FOE

INTENDED LEARNING OUTCOMES

Describe the process of making curd.
Demonstrate how to make curd.
Describe how microorganisms help in making curd.

ACTIVITY	WOOL WORK
SUBJECT	SCIENCE
CLASS	VIII
CHAPTER NO.	3
CHAPTER TITLE	SYNTHETIC FIBRES AND PLASTICS

INTENDED LEARNING OUTCOMES

Prepare a soft doll with wool.
Create original shapes and sizes of dolls by a slight variation.

ACTIVITY	WIRE WORK
SUBJECT	SCIENCE
CLASS	VIII
CHAPTER NO.	04
CHAPTER TITLE	MATERIALS: METALS AND NON-METALS

INTENDED LEARNING OUTCOMES
<p>Identify and select materials and tools which are generally used in wire work.</p> <p>Identify and handle the various manual tools, equipment and materials to create wire object.</p> <p>Demonstrate the procedure to create figures using wire.</p>

ACTIVITY	MAKING PLANTERS
SUBJECT	SCIENCE
CLASS	VIII
CHAPTER NO.	4
CHAPTER TITLE	MATERIALS: METALS AND NON-METALS

INTENDED LEARNING OUTCOMES
<p>Identify and select the materials which are generally used for making Planters.</p> <p>Demonstrate the procedure for making different types of Planters.</p>

ACTIVITY	DIYA DECORATION
SUBJECT	SCIENCE
CLASS	VIII
CHAPTER NO.	4
CHAPTER TITLE	MATERIALS: METALS AND NON-METALS

INTENDED LEARNING OUTCOMES
<p>Identify and select materials and tools which are generally used in decoration of <i>diyas</i>.</p> <p>Demonstrate the procedure to decorate earthen <i>diyas</i>.</p>

ACTIVITY	MAKING WIND CHIMES
SUBJECT	SCIENCE
CLASS	VIII
CHAPTER NO.	13
CHAPTER TITLE	SOUND

INTENDED LEARNING OUTCOMES

Identify and select appropriate materials for making wind chimes.
 Identify and handle the various tools, equipment and materials used for making wind chimes.
 Demonstrate the procedure for making different types of wind chimes.
 Describe the role of various materials and their physical properties in creating musical notes.
 Explain the relationships between wave velocity, wavelength and frequency.

ACTIVITY	MAKING PAPER LAMP
SUBJECT	SCIENCE
CLASS	VIII
CHAPTER NO.	16
CHAPTER TITLE	LIGHT

INTENDED LEARNING OUTCOMES

Identify materials which are opaque/translucent/transparent.
 Demonstrate the use of different types of translucent/transparent materials for constructing paper lamps or lanterns.
 Make a simple drawing of the various types of lamps.
 Describe the various features of a lamp.
 Describe how the distance between an object and its light source affects the size of a shadow.