

TOPIC : L- 14 BASVA'S FARM

<u>Pre-content/ Content / Post-Content</u>	<u>Learning outcomes / Objectives</u>	
<u>Pre Content</u>	General	Specific
Students know that farmers are people who work in the fields and grow crops.	Students will be able to : arrange the steps involved in growing any crop	Students will be able to : synthesize various steps involved the cultivation of crops
<u>Content</u>		
Agricultural tools used in cultivation of crops	discover various tools used in cultivation of crops	differentiate between the various tools used in the cultivation of crops
Crops grown in India	identify different crops grown in India.	categorize various crops grown in India- Food Crops and Cash Crops. compare food crops and cash crops.
Cultivation of onion crop	list the steps of onion cultivation	explain steps of onion cultivation grow onion bulbs in the pot
<u>Post Content</u>		
Tools required for personality development	correlate the tools used in farming to the tools that one needs for shaping up to one's personality	enhance their personality through the values inculcated by the lives of the farmers.

HOMEWORK / ASSIGNMENT

Q1) Complete the exercises given in the text book.

Q 2) Draw and name different tools used in farming.

Teacher's Activity	Students' Activity	Teacher's observation and Remedial
Teacher will : - show the ICR and asked to draw a flow chart on the steps involved in cultivation of crops (Integrating art) - show various tools involved in the cultivation of crops and their functions through ICR. She will give worksheet on tools - explain the difference between food crops and cash crops by giving examples and showing flash cards followed by a worksheet Annexure 14 (A) - conduct an activity to show how to grow onion crop from onion bulb - ask students to write a paragraph on the life of a farmer and what values they learnt from them	Students will : - draw a flow chart - complete the worksheet and draw the various tools and name them. - make a chart on cash crop and food crops Annexure 14 (a) - perform the activity and grow onion in a pot - write a paragraph where they will mention the values they learnt from a farmer's life.	

Teaching Aids: Video on different crops grown in India. Pictures showing different tools used in farming. Pictures showing the various steps of crop production

Methodology/Innovative Methods: ICR, Discussion, Demonstration, Experiential learning

Interdisciplinary Links: Life skills- students will develop respect and compassion towards farmers, value education - Hard work , Punctuality

HOD**COORDINATOR****HEADMISTRESS****PRINCIPAL**

Annexure 14 (A), (a) - LET'S GROW THE CROPS

<u>SUBJECT</u>	EVS
<u>CLASS</u>	IV
<u>CHAPTER</u>	BASVA'S FARM
<u>TOPIC</u>	ONION FARMING
<u>TIME</u>	30-40 MINUTES
<u>NATURE OF ACTIVITY</u>	INDIVIDUAL

What will I learn ? (Learning Outcome) To understand how onion crop is grown in the fields.

Skills : Understanding , analyzing, critical thinking

What I have to do ? To find out the steps followed by a farmer in onion farming.

What do I require ? Small pot filled with soil , onion bulb , water , manure.

What do I need to know ? Conditions required to grow healthy crops.

➤ **Teacher's Activity:** Teacher will :

- (1) demonstrate how to grow onion in a pot.
- (2) take a pot filled with soil.
- (3) take few onion bulbs having roots.
- (4) press few bulbs of onion in to the soil of a pot.
- (5) add manure and sprinkle water.
- (6) keep it on the window -sill of the class.
- (7) wait for 10-15 days, keep sprinkling water whenever required.
- (8) divide class into 4 groups
- (9) tell each group to follow different steps .(as guided by the teacher)

How will I proceed ?

➤ **Students' Activity:** Students will :

- (1) observe the activity.
- (2) follow the steps as guided by teacher for their group

Group 1- will **not sprinkle water** in the pot after sowing and keep it on the window - sill.

Group 2 - will **keep the pot in the air tight container** after sowing and keep sprinkling water whenever required.

Group 3 - will **keep the pot in the dark room** after sowing and sprinkling water whenever required.

Group 4 - will keep sprinkling water in the pot whenever required and keep it on window sill exposed to air and sunlight.

What have I observed : Students will complete the observation table-

	<u>WATER</u>	<u>AIR</u>	<u>SUNLIGHT</u>	<u>CONCLUSION</u> <u>((after 10-15 days))</u>
<u>TEACHER' S POT</u>				
<u>GROUP 1</u>	X	✓	✓	Do not germinate
<u>GROUP 2</u>				
<u>GROUP 3</u>				
<u>GROUP 4</u>				

Teacher's pot and Group-4 students pot will show germination

What have I learnt ? I have learnt that conditions necessary for germination are water , air and sunlight . If any of these condition is not available, germination will not occur.

What am I curious to learn ?

- ❖ Besides seeds, new plants can also be grown from different parts of the plant. Let us find out the name of a plant which grows from its leaves.

Let me evaluate myself :

HELP BOX- germination , growing , seed

Q1) The process of _____ of a new plant from a _____ is called _____.

Q2) Which part of the plant stores food for baby plant ?

Ans)_____

Q3) What will happen after few days if you take a stem of money plant and put it in a glass of water?

Ans)_____

Q4) If you have a kitchen garden at home , what will you use - manure or chemical fertilizer, to enrich the soil fertility? Justify your answer.

Ans) _____

Q5) Draw and colour a well labelled diagram of germination of seed.

