

## Alternate Academic Plan for the Month of October 2021-22

**Class: 7<sup>th</sup> std**

**Subject: Science**

**Month: October**

Sl no	Month/Week	Main learning abilities	Learning activities	Evaluation
1.	October The first 10 days Unit: Physical and chemical changes	Recognizes both reversible and irreversible changes.	<p>Activity 1: Take four sheets, keep the first sheet a side. Take the second sheet and create an image of an origami you know (paper boat, plane, bird). Take the third sheet and tear and make small pieces as much as possible. Take the fourth sheet with the help of the elders burn it with the candle carefully and collect the ashes. Now bring the second sheet to the shape of first sheet. Also make the third sheet to the shape of first sheet. Good trying. Now try to convert the fourth sheet also to the shape of first sheet. Is it possible? What did you learn from this activity? Facilitate the children to do the above activity.</p> <p>Activity 2: <a href="https://www.youtube.com/watch?v=gh2yrPYm1J8">https://www.youtube.com/watch?v=gh2yrPYm1J8</a> Make it easy to view the changes through the above link.</p>	1. Perform appropriate activities from work book page number 29 to 33 and evaluate.

			<p>Activity 3: Let the children notice the changes in their surroundings, list the changes in the activity sheet 1 and then classify them as reversible and irreversible changes.</p>	
		Understands physical and chemical changes.	<p>Activity 4: Tell them to light a candle and observe the changes that occur. Keep an eye on the wax melting and burning of candle wick. Ask them to tell their difference. Make them remember in these melting of wax is physical change and burning of candle wick into smoke is a chemical change.</p> <p>Activity 5: Identify the physical properties such as shape, size and state in the images given in the worksheet 2 and then guide them to define the physical changes.</p> <p>Activity 6: Perform activities given in the activity sheet (3) facilitate to identify the changes and ultimately define chemical changes.</p> <p>Activity 7: Facilitate the changes given in the activity sheet to classify physical and chemical changes.</p>	Perform 4 <sup>th</sup> activity given in the page no.31 of the workbook.

2.	<p>October The Second 10 days Unit: Weather, Climate and Adaptations of Animals to Climate</p>	<p>Will define weather and climate.</p>	<p>Activity 1: Help to define the weather by doing activity in the activity sheet 1.</p> <p>Activity 2: <a href="https://www.youtube.com/watch?v=ht1JghmtCEQ">https://www.youtube.com/watch?v=ht1JghmtCEQ</a> <a href="https://www.youtube.com/watch?v=eCr56YnG8Q8">https://www.youtube.com/watch?v=eCr56YnG8Q8</a> <a href="https://www.youtube.com/watch?v=cj5854hqhqo">https://www.youtube.com/watch?v=cj5854hqhqo</a> By using the above link. Watch videos of desert, terrain and rainforest. Tell them to record the weather conditions of the area in activity sheet 2.</p> <p>Activity 3: Help to answer the questions related to weather and climate in the activity sheet 3.</p>	<p>Perform 5<sup>th</sup> activity given in the page no.39 of the workbook.</p>
		<p>Understands plants and animal adaptations according to climate.</p>	<p>Activity 4: <a href="https://www.youtube.com/watch?v=85ORcbLHZ4c">https://www.youtube.com/watch?v=85ORcbLHZ4c</a> <a href="https://www.youtube.com/watch?v=DqKV-zb_u gg">https://www.youtube.com/watch?v=DqKV-zb_u gg</a> View animal adaptation in the polar regions and tropical rainforest with the help of the above link. Tell them to list the adaptations of animals lives in that area in activity sheet 4 and 5.</p>	<p>Perform 6<sup>th</sup> and 7<sup>th</sup> activities given in the page no.39 of the workbook</p>

**Alternate Academic Plan 2021-22**

**7<sup>th</sup> Standard**

**Activity Sheet -1**

**Month: October 2021**

**Physical and chemical changes**

**Subject: Science**

Dear child, List the changes in the environment around you.

_____	_____
_____	_____
_____	_____
_____	_____

Categorize the changes listed above as reversible and irreversible changes.

Reversible changes.	Irreversible changes.

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**Activity Sheet -2**

**Month: October 2021**

**Physical and chemical changes**

**Subject: Science**

Dear child, In the changes given below, identify the changed physical properties.



Melting of Ice



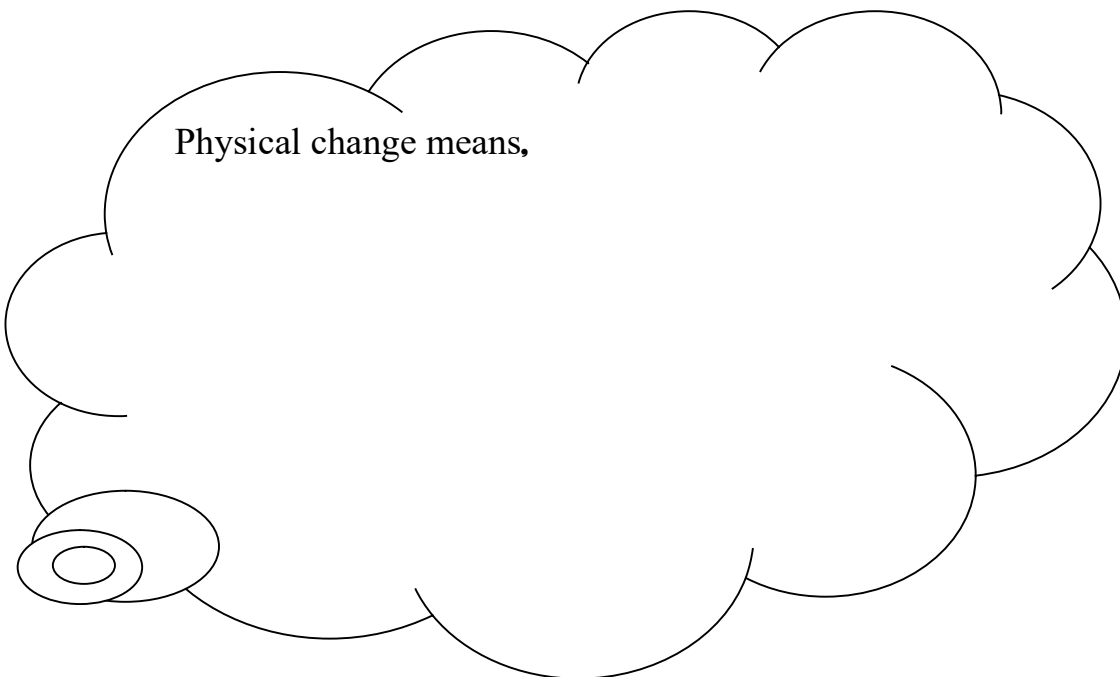
Bending of spoon



Balloon thickening when filled with air.

Understand the above examples and define physical change.

Physical change means,



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**Physical and chemical changes**

**Activity Sheet -3**

**Month: October 2021**  
**Subject: Science**

Dear Child , Perform the following activities, observe the changes takes place there and write.

1. Mixing baking soda with lemon Juice. Burning a paper peice

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2. Burning a paper piece.

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3. Observe the rusted iron articles , What the changes takes place there?

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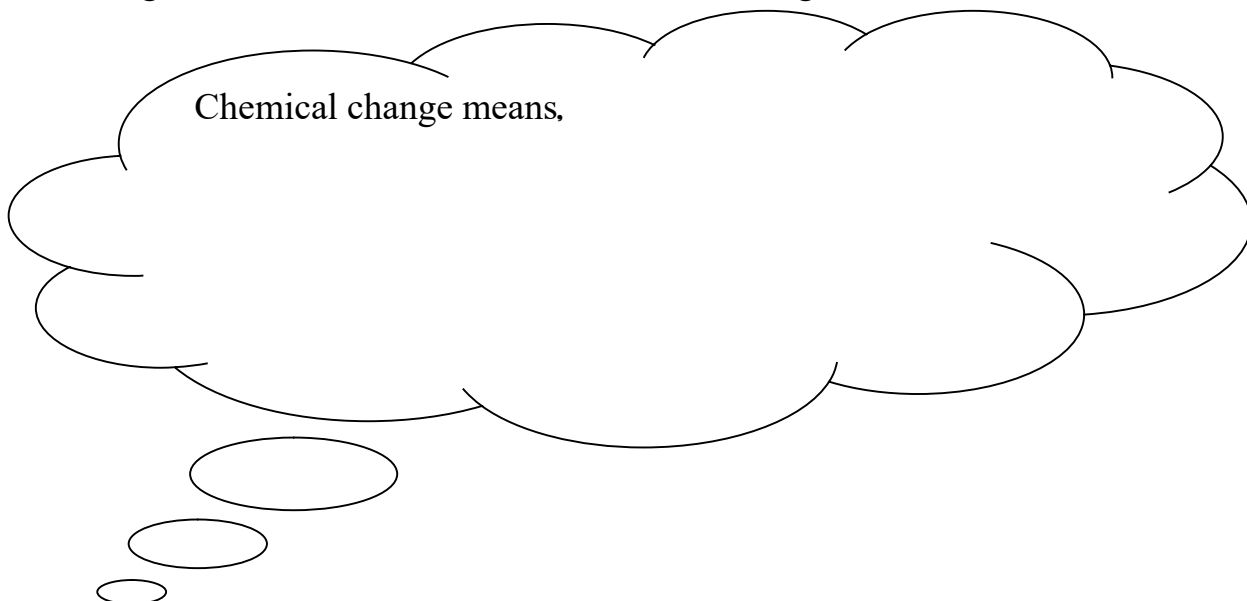
4. Put a drop of detergent powder on your palm and pour a couple of drops of water into it.

What was the experience?

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After doing above activities define the Chemical change.



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**Activity Sheet -4**

**Month: October 2021**

**Physical and chemical changes**

**Subject: Science**

1. Classify the following as physical and chemical changes.

Melting of ice candy, iron nail rusting, cutting of wood, milk to curd, cooking food, glass breaking, egg cooking, nut ripening, candle burning, wax melting.

Physical change	chemical change

2. Write briefly on the importance of chemical change in everyday life.

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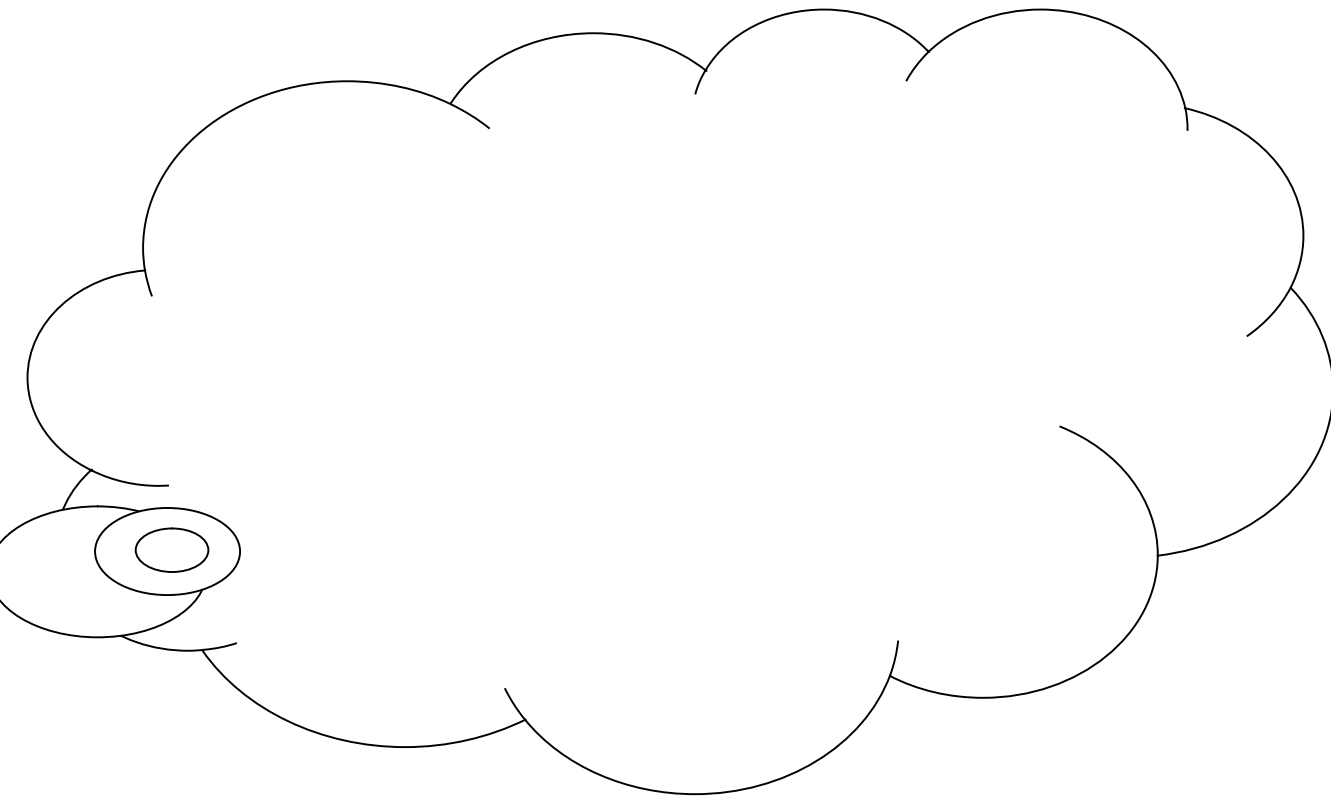
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**7<sup>th</sup> Standard      Activity Sheet -1      Month: October 2021      Subject: Science**  
**Weather, Climate and Adaptations of animals to Climate**

Child, Gather a weekly weather report in the magazine, newspaper or internet and write it in the table below.

Date	Maximum Temp	Minimum Temp	Rain Quantity

Define the weather after filling the above table.





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**7<sup>th</sup> Standard      Activity Sheet -2      Month: October 2021      Subject: Science**  
**Weather, Climate and Adaptations of animals to Climate**

Watch the video with the help of the link below and specify the climate of the area in the picture.

<https://www.youtube.com/watch?v=ht1JqhmtCEQ>

<https://www.youtube.com/watch?v=eCr56YnG8Q8>

<https://www.youtube.com/watch?v=cj5854hghqo>



Desert

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Polar Regions

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Tropical rain forest

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**7<sup>th</sup> Standard      Activity Sheet 3      Month: October 2021      Subject: Science**  
**Weather, Climate and Adaptations of animals to Climate**

Child, try to answer the following questions. Take the help of the teacher.

1. Name the factors that determine the climate of an area.

\_\_\_\_\_

2. What time of day is the maximum and minimum?

\_\_\_\_\_

3. What is the instrument for measuring rainfall?

\_\_\_\_\_

4. Write the difference between weather and climate.

Climate	Weather

5. Specify the climate of the following areas.

a) Rajasthan \_\_\_\_\_

b) Northeast India \_\_\_\_\_

c) Kerala \_\_\_\_\_

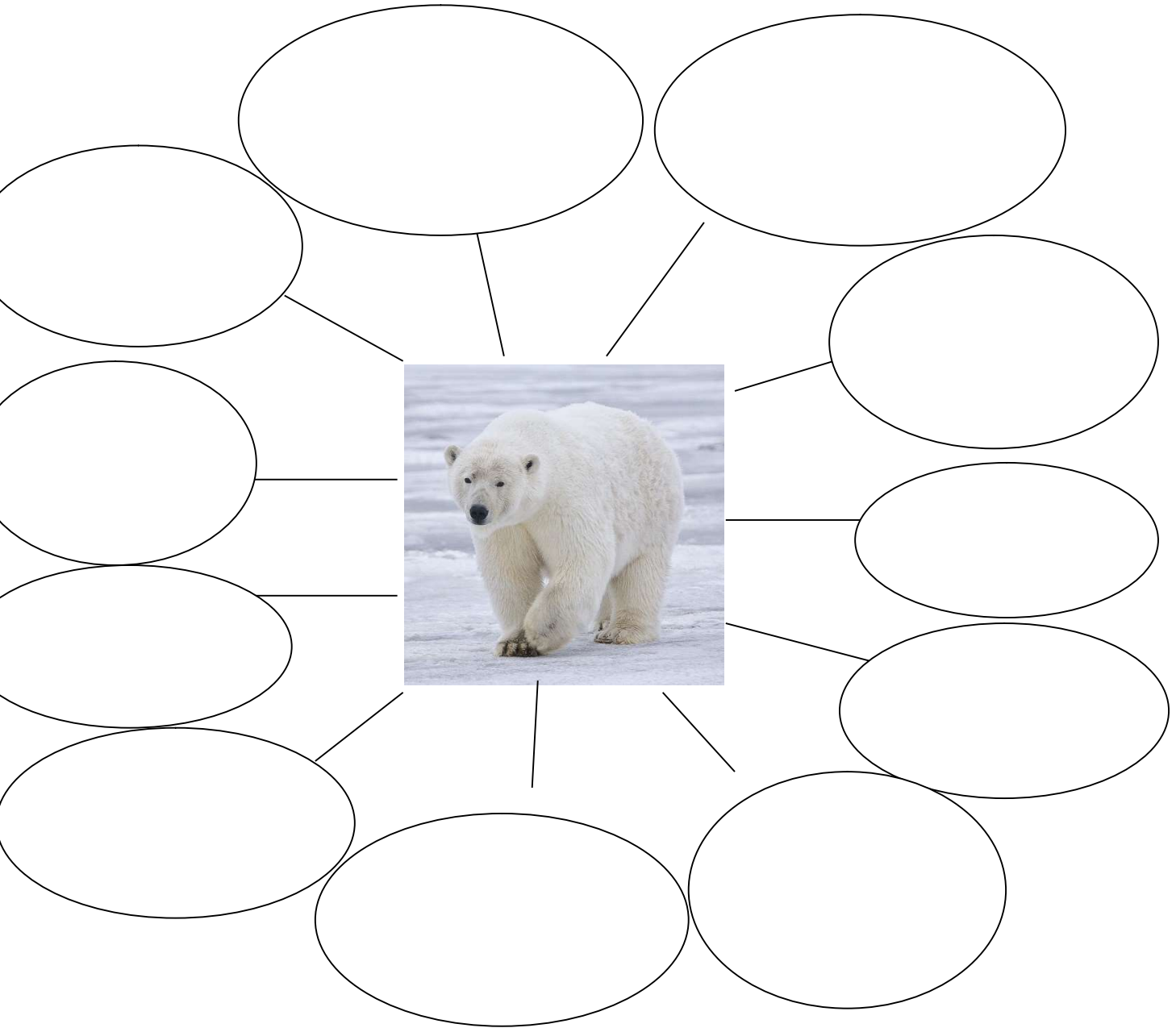
d) Jammu and Kashmir \_\_\_\_\_

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**7<sup>th</sup> Standard      Activity Sheet -4      Month: October 2021      Subject: Science**

**Weather, Climate and Adaptations of animals to Climate**

Child, Can you write a polar bear adaptations which lives in a polar region!?



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**7<sup>th</sup> Standard      Activity Sheet -5      Month: October 2021      Subject: Science**  
**Weather, Climate and Adaptations of animals to Climate**

Child, Write about adaptations of some animals lives in the tropical rainforest.



Red eye Frog

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Monkey

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Toucan Bird

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Indian elephant

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