

Assam Goes Online (AGO)

Class-8

Subject- Science

Topic- Synthetic Fibres and Plastics

Learning Objectives:

- To inform students about the difference between Natural and Synthetic Fibres and their sources.
- To let students know about the different uses of Synthetic Fibres and Plastics
- To make them aware of the disadvantages of plastics to the environment.

Day		Activities	Resource Link
Day 1	20 minutes	Activity 1: The students will make a list of various items made of natural and man-made fibres from their surroundings. They will share the list with their teachers/ parents.	



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Day 1	40 minutes	<p>Activity 2:</p> <p>Students will read the chapter and note down the questions or doubts that they have. They will discuss the questions/doubts with their teachers/parents.</p> <p>Teacher/ parents will ask questions such as:</p> <ul style="list-style-type: none"> – What is the difference between natural and synthetic fibre? – What are the sources of natural fibre? – Can a natural fibre be converted to synthetic fibre? Give an example. 	<p>The teacher can guide students to download the Diksha app where they can watch a video explaining the chapter.</p> <p>Link:</p> <p>See বিজ্ঞান (অষ্টম শ্রেণীৰ পাঠ্যপুথি)/ Science (Class-8) on DIKSHA at https://diksha.gov.in/play/content/do_3126167504747560961836?referrer=utm_source%3Ddiksha_mobile%26utm_content%3Ddo_3126590295958650881129%26utm_campaign%3Dshare_content</p> <p>Get DIKSHA app from: https://play.google.com/store/apps/details?id=in.gov.diksha.app&referrer=utm_source%3D2c9ad25f97b6b864de02b04426a3fc81d3e59b61%26utm_campaign%3Dshare_app</p>
Day 2	45minutes	<ul style="list-style-type: none"> – The students will find out about various components of the manmade fibres and natural fibres, how many types of fibres are there and where are they used. They will also find out how the manmade fibres are made in the laboratory. – Students will find five objects from their surroundings under each types of fibre. They will write about the components, types of fibres and examples in their notebook and share with the teachers/parents (Students can refer to the list made by them earlier) – Students will find out about the life cycle of silkworm and 	<p>Students can take help of the text book and search the internet for information.</p>

		<p>how we get silk from them. Which state in India produces the most silk?</p> <p>– The students will find out what is thermoplastic and thermosetting? They will explain with example.</p>	
Day 3	45 minutes	<p>Assessment:</p> <p>Activity 1 (Assessment)</p> <p>Students will create a poster on disadvantages of Plastic on nature and will share it with their teachers. Students may create the poster on paper or using applications such as postermyworld, pictochart etc. The poster should explain:</p> <ul style="list-style-type: none"> • How plastic is harmful to nature. • How is it affecting birds, animals, sea animals etc. • How we can minimize the harmful effect on nature • The 4R's, Reduce, Reuse, Recycle and Recover 	
	40 minutes	<p>Assessment:</p> <p>Activity 2 (Assessment)</p> <p>Students will find out the answers of the following questions:</p> <p>– Why plastic containers are often used at home compared to glass and metallic containers?</p> <p>– Why electronic switches and other electronic devices are mainly made up of thermosetting plastic?</p> <p>– Can we store pickles in metallic jars? If no, then why?</p>	

		– What was Nylon Riots of 1946?	
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