

Teaching Suggestions for Kids Shine Science Book 3 and Activity Book 3

Topic	Things to Wear – Clothes
Content Standard	SA 2.0 Science process skills
Learning Standard	SA 2.6.1 State observations made through works or verbally.
Integrated Strands	BI 1.2.4, BI 1.3.2
Teaching Materials	Book 3, Activity Book 3, a raincoat, rain boots, an umbrella, a hat, a scarf, a bucket of water and gloves

Suggested Activities

Book

- Ask the children why we need to wear clothes, (e.g. to protect our bodies from the strong heat of the sun and from cold weather.)
- Prepare a raincoat, rain boots, an umbrella, a hat and a scarf. Ask the children to identify which are worn when we feel cold or when we are out in the rain.
- Prepare a bucket of water and gloves. Ask the children to wear the gloves, then immerse their hands in the bucket of water. Ask the children, “Do our hands get wet when we wear plastic gloves?”
- Tell the children that a raincoat, rain boots and an umbrella can protect our body from getting wet in the rain.

Activity Book

- Guide the children in doing the exercise worksheet on page 2 of Activity Book 3.

Topic	Things to Wear – What are clothes made of?
Content Standard	SA 2.0 Science process skills
Learning Standard	SA 2.6.1 State observations made through works or verbally.
Integrated Strands	KE 3.1.1, KE 3.3.3, FK 1.1.2
Teaching Materials	Book 3, Activity Book 3, socks, T-shirt, shorts, scarf, mittens and knitted hat, manila card, batik cloth, scissors and glue, video clip

Suggested Activities

Book

- Play a video clip showing how different types of clothes are made. Then get the children to talk about it.
- Prepare socks, a cotton T-shirt, cotton shorts, scarf, mittens and a knitted hat. Tell the children that some clothes are made of cotton and some clothes are made of wool. Let the children touch the clothes and tell how each feels. Ask them, “What is the difference between the cotton and woollen clothing?”
- Tell the children that some clothes are made from animal skins, e.g. leather clothing is made from a crocodile’s, cow’s, or goat’s skin.
- Prepare a manila card, a batik cloth, scissors and glue. Ask the children to draw a sock, T-shirt, shorts, etc. on the batik cloth and cut them out. Then glue them on the manila card.

Activity Book

- Guide the children in doing the exercise worksheet on page 3 of Activity Book 3.

Topic	Things to Wear – Mirror
Content Standard	SA 2.0 Science process skills
Learning Standard	SA 2.6.1 State observations made through works or verbally.
Integrated Strands	FK 1.1.1, FK 2.2.2, KD 1.1.1
Teaching Materials	Book 3, Activity Book 3, a mirror, a sheet of paper, pencil
Suggested Activities Book <ul style="list-style-type: none"> • Prepare a mirror. Ask the children to stand in front of the mirror. Ask them if they can see themselves in the mirror. • Prepare a sheet of paper. Ask the children to show different facial expressions in front of the mirror such as smile, look sad or angry, make a funny face, etc. • Ask the children to draw their different mirror facial expressions on the paper. • Ask the children to stand in front of the mirror and perform some movements or pose. Get them to tell what they can see in the mirror. • Guide the children in carrying out ‘Let’s do this!’ on page 4 of Book 3. • Refresh the children’s memory of what they have learnt by completing the revision exercise on page 5 of Book 3. Activity Book <ul style="list-style-type: none"> • Guide the children in doing the exercises on pages 4 to 5 of Activity Book 3. 	

Topic	My Birthday – Water
Content Standard	SA 2.0 Science process skills
Learning Standard	SA 2.6.1 State observations made through works or verbally.
Integrated Strand	PM 9.1.2
Teaching Materials	Book 3, Activity Book 3, a cup of water, a bucket of water, 5 different shapes of containers and a funnel, food colouring
Suggested Activities Book <ul style="list-style-type: none"> • Prepare a cup of water. Ask the children, “What is the thing inside the cup? What is the colour of water? What does water taste like? Does it have any taste?” • Prepare a bucket of water, 5 different shapes of containers and a funnel. Ask the children to pour the water into the different containers. • Ask them, “Does water have a shape of its own?” Tell them that water has no shape of its own. • Prepare food colouring. Ask the children to add several drops of liquid food colouring to each container and stir the mixture. • Ask the children to observe, then talk about how the water has changed after adding food colouring. Tell them that water has no colour or taste. • Prepare a cup of plain water. Share with the children that water helps to keep our body hydrated. We need to drink 6 to 8 glasses of water every day. Discuss the consequences of not drinking enough water. Activity Book <ul style="list-style-type: none"> • Guide the children in doing the exercise worksheet on page 6 of Activity Book 3. 	

Topic	My Birthday - Uses of water
Content Standard	SA 2.0 Science process skills
Learning Standard	SA 2.6.1 State observations made through works or verbally.
Integrated Strand	PM 9.1.2
Teaching Materials	Book 3, Activity Book 3, potatoes, mushrooms, onions, carrots, a bucket of water, rice, rice cooker

Suggested Activities

Book

- Ask the children to think of how we use water. Tell them that water is very important and useful to all living things. Without water all living things will die.
- Divide the children into three different groups. Every group is given a different task. Prepare potatoes, mushrooms, onions, carrots and a bucket of water. Ask the first group to wash the vegetables. Teacher will cut the vegetables into small pieces. Ask them what they had used to wash the vegetables.
- Prepare rice. Ask the second group of children to wash the rice. After that, put it in the rice cooker. Ask them what they had used to wash the rice.
- Next, ask the second group of children to add the clean vegetables to the rice. Then pour enough water to cook the rice. Ask the children what they had used to cook the rice.
- Lastly, prepare plates, cups, and a jug of water. Ask the third group of children to put the cups on the table and then pour water into each cup for drinking. Tell the children that we use water for drinking.
- Ask the children to talk about how life will be like if there is no water.

Activity Book

- Guide the children in doing the exercise worksheet on page 7 of Activity Book 3.

Topic	My Birthday - Water, ice and steam
Content Standard	SA 4.0 Investigation of materials
Learning Standard	SA 4.1.2 Describe the changes of water (i) from water to ice and vice versa (ii) from water to steam and vice versa.
Integrated Strand	PM 9.1.2
Teaching Materials	Book 3, Activity Book 3, ice cubes, a few cups of water, a transparent plate and a bowl of hot water, a refrigerator

Suggested Activities

Book

- Ask the children, “What happens to water when it becomes very cold? What happens to ice when it is not cold enough? What does water change to when it becomes very hot?”
- Prepare some ice cubes. Bring the children outdoors. Ask them to hold an ice cube and tell how it feels. Ask them to observe how the ice changes when it is under the hot sun.
- When back in the classroom, prepare a few cups of water. Ask the children to keep them in the freezer.