

BABY BOT VIDEO LESSON: THE SUN

VIDEO: The sun

TOPIC: Children will learn about where the sun rises and sets as well as the benefits and risks of sun exposure

FOR AGES: 4-8 years old

LESSON TIME: 1 hour



INTRO (15'):

Tell your students that today you will be learning about *the sun*. Sit them in a circle, ask the following questions, and moderate a brief debate:

- *Question 1:* Share a fact you know about the sun with someone near you: size, characteristics, what we need it for, why it is important, etc.
- *Question 2:* Talk to the people next to you and think about something you'd like to learn about the sun: what's the temperature of it?, how big is it?, how far away is it?

Take a minute to share the answers to questions 1 and 2 all together, then move on to a second round of questions:

- *Question 3:* Do you know what the difference between a star and a planet is?
- *Question 4:* Do you know what the solar system is?

ACTIVITIES (5'):

Ask your pupils to sit down on the carpet facing the board, and project [this video](#).

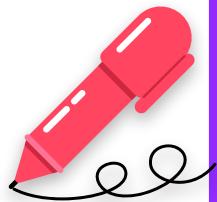


PRACTICE WORKSHEETS (35'): GAME - SHADOWS (15') + WORKSHEETS (20')

ACTIVITY 1

Shadows: This is an outdoor activity. Pair your students and give each pair a large piece of paper. Ask your students to place it on the ground and to put some rocks/their shoes on the corners of it to keep it from blowing away. Student 1 stands in a pose of their choice next to the paper, and student 2 traces the outline of student 1's shadow onto the page. Roles get later reversed and children can decorate their portrait if there's time.

**OPTIONAL: Come back to your creation later in the day and trace another shadow (doing the same pose) next to the one you traced earlier. Since the sun is in a different place in the sky, your shadow will have a whole new look! Do you know why?*



ACTIVITY 2

WORKSHEET FOR YOUNGER STUDENTS (PAGE 1):

Younger students will learn about the cardinal points, where the sun comes out and where it sets. They will have to fill in the blanks using the vocabulary given. We suggest for the teacher to project the diagram and explain it to their students prior to completing the sentences all together.

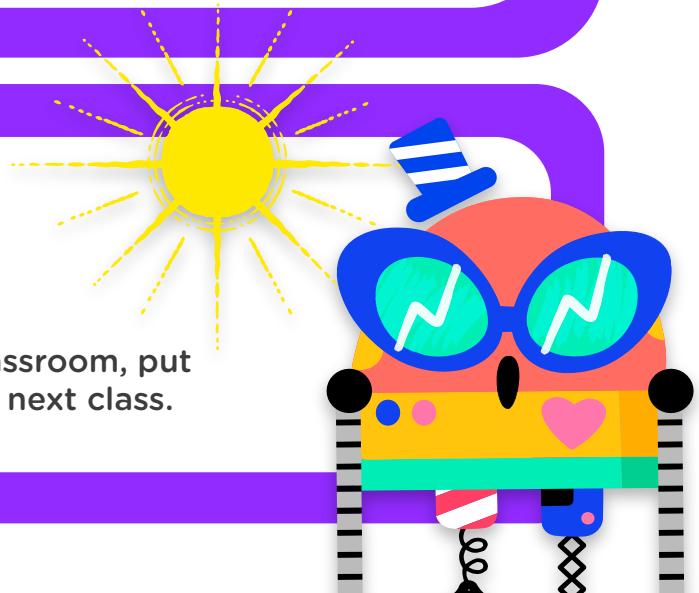
WORKSHEET FOR OLDER STUDENTS (PAGE 2):

Older students will go over the reasons why we need to be mindful of sun exposure and then answer 3 true or false questions. We suggest for these activities to be carried out in small groups or partners.

** The teacher should feel free to use **these materials** in any way that matches the needs of their students: promoting independent work, getting students in turns to do the activities on the board, etc.*

TIDY UP (5'):

Allow for students to clean up the classroom, put materials away, and get ready for the next class.



ADDITIONAL ACTIVITIES FOR BABY BOT VIDEO LESSON: THE SUN

COOKING TEA TIME!:

Fill a clear jar with water. Add 3 tea bags of your favorite tea. Cover the jar, and set it outside in the sunshine on a warm sunny day. Let the tea brew for 4 hours. Remove the tea bags, and refrigerate until cool. Then treat yourself and your friends to a cool sun-brewed drink!



PHOTOGRAPHY SOLAR PRINTS:

Step 1: Gather some objects in nature that have interesting shapes, such as leaves, flowers, and twigs. Step 2: Arrange some of the objects on light-sensitive paper. (You can buy this at a hobby, photography, or toy store.) Be sure to keep the paper away from the light until your objects are all arranged. Step 3: Put the paper in direct sunlight for about five minutes. Take off the objects and dip the paper in water to set the image. Lay out the paper to dry. Solar-printed paper makes great stationery and greeting cards. Or, you can color or paint the images to make artwork.

SCIENCE WHAT MELTS IN THE SUN?:



As we've learned, the sun is a star with a very high temperature. Grab a muffin tin and fill it with an assortment of objects such as a Lego, ice, a wooden block, a rock, butter, a cube of cheese, a marble, a quarter, a square of chocolate, three crayons, and a cube cut off a bar of soap. Make predictions on which of these will melt, then check the results after 10 minutes of being in the sun, and then again after 30 minutes have gone by. Were you surprised by any of your predictions? Did you guess correctly?

MUSIC/SPELLING YOU ARE MY SUNSHINE:

This is an adult VS children competition! The grown up will play "You are my sunshine" and pause it every now and then. Then they will ask children what the next word in the lyrics is. The children will give it a try and if they get the word and spell it correctly, they gain a point... But if they misspell the word the point goes to the adult! Focus, pay attention to your spelling skills, and have lots of fun!