

CurriculumVisions Lesson

Students: fill in next to the word answer and return the document for assessment.

Science Book: How we see things (6F)
Pages 12-17

Everything here is based on our Curriculum Visions book How we see things (6F).

In this segment, we are going to learn about how light bounced off surfaces, about coloured light and how the eye works.

Part 1

You will need to go to pages 12-13 of the book. Below are two surfaces. One is smooth and one is rough. Draw arrows to show how light scatters off of each surface.

smooth surface
rough surface

Answer.....

You may want to remind students that there is no single right answer here - as long as the arrows on the bumpy line are not lined up as evenly as on the smooth line.

smooth surface
rough surface
Part 2

Go to pages 14-15. Use the instructions on page 14 to make a pinhole camera. Describe what you see. Can you make the image sharper or fuzzier? Bigger or smaller?

Students own answers.....

Part 3

You will need to go to pages 16-17 of the book. Draw a picture of the human eye and label as many parts as you can. What does each of them do?

Answer.....

The drawing should be similar to that on page 17 of the Students Book. Students can include: cones, rods, cornea, lens, retina, iris, pupil, muscles, blood vessels, etc.

You may also want to do this as a class activity, drawing the outline of an eye on the board and asking students to come up one at a time to add features to the drawing and say what they do.

If you are interested in this topic continue to browse the book and watch our amazing videos. They start right on the book cover.