

Black Box Mystery

Seeing is believing, right? Well, just because you can't see something doesn't mean it isn't there. There's a lot you can learn about something without seeing it. Try the activity below and "see" for yourself.

Materials for each group

- box with unknown object inside

Challenge

Hidden inside your box is an object. You can't see it, but your job is to find out as much as you can about it to support an inference of what it might be.

- What kinds of questions might you ask to find out more about the object?
- What kinds of tests can you design to help you answer these questions?

Record the tests and the evidence you collect in the chart on this page, or create your own.



Test	Reason for test	Evidence from test

Questions

Write your answers on a separate sheet.

- 1 What inferences can you make about the object? List them on a separate sheet and include the evidence that supports them.
- 2 What situations in your daily life might call for inference? List the situations and the evidence you use to support those situations.