Scrape it, shake it

**Year 5**

## Scrape it

1. Collect your sandpaper and sugar cube (or piece of chalk).
2. Draw a labelled diagram of your items before scraping them.
3. Scrape the sugar cube/chalk against the sandpaper for 30 seconds.
4. Draw a labelled diagram of your items after scraping.

|  |
| --- |
| **Observations before scraping** |
|  |
| **Observations after scraping** |
|  |

## Shake it

1. Collect your large rocks (2 sugar cubes or chalk pieces), small rocks (1 teaspoon of salt), and a jar with a lid.
2. Draw a labelled diagram of your large and small rocks before shaking.
3. Predict what you think will happen when you shake the large and small rocks in the jar.
4. Place the large and small rocks in the jar and screw the lid on tightly. Shake the jar for 2 minutes.
5. Draw a labelled diagram of your large and small rocks after shaking.
6. Explain the changes that occurred.

|  |
| --- |
| **Observations before shaking** |
|  |
| **Predict**  What do you think will happen to the large and small rocks? |
|  |
| **Observations after shaking** |
|  |
| **Explain**  Did the result fit your prediction?  Can you explain the science of how physical weathering changes rocks? |
|  |