

Alchemy Island



These activities are for you to do at home. You can do all of them or choose the ones that you find most interesting.

Activities

1. Find out if your family owns any objects that contain gold or another precious metal or gemstone. Write a fact sheet about the properties and common uses of one or more of these precious elements.
2. Find out about the work of an alchemist and write a non-chronological report, including facts, diagrams and illustrations.
3. Make a list of foods that change state when heated or cooled, such as eggs, water, butter and chocolate. Plan and make a dish for your family that includes foods from your list.
4. Look at the periodic table. Can you learn the atomic numbers and symbols for different metals, such as lead, copper, silver, zinc, iron and platinum?
5. Find out about the life and works of famous chemists in history. Write a short biography of a chemist who sparks your interest, such as Marie Curie or Robert Boyle.
6. Research popular children's stories that feature portals into other worlds. Draw a picture of your favourite portal from one of the stories and surround it with descriptive phrases.
7. Find the words to the *Song of the Witches* from *Macbeth*. See if you can learn it off by heart and make a recording.
8. Finish your home learning by writing a summary of the topic, explaining what you have learned about alchemy, precious metals and changes of state.



Useful websites

DKfindout! – Solids, liquids and gases, Robert Boyle

Ducksters – crystals

BBC Bitesize – Who was Marie Curie?

BBC Teach – class clip of Macbeth

Good reads

| Title | Author | ISBN |
|--|--------------------|---------------|
| Harry Potter and the Philosopher's Stone | JK Rowling | 9781408855652 |
| Shadow Forest | Matt Haig | 9780552555630 |
| Macbeth (A Shakespeare Story) | Andrew Matthews | 9781841213446 |
| Jumanji | Chris Van Allsburg | 9781783446766 |
| Crystal and Gem (DK Eyewitness) | DK Books | 9781409343776 |
| Frozen in Time | Ali Sparkes | 9780192734006 |
| The Apothecary | Maile Meloy | 9781849395069 |
| The Tempest (A Shakespeare Story) | Andrew Matthews | 9781841213460 |

