

# 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

