

English and Science

Decode a riddle written by the mysterious and elusive Chief Alchemist. Will we be able to decode the message in order to explore the island?

NC: Use dictionaries to check the meaning of words.

Choose one of the 4 Kingdoms of Alchemy Island. Imagine that you have arrived on the island via a mysterious portal. Describe the place in which you have arrived. All may not be as it seems...

NC: Write for a range of purposes, use a range of literary techniques to describe a fantasy setting.

Study a selection of samples taken from various locations around the mysterious Alchemy Island. Test out each sample and consider its various properties.

NC: compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets

Experiment with a variety of reversible and irreversible changes.

NC: know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution

NC: demonstrate that dissolving, mixing and changes of state are reversible changes

Panning for Gold – Have we struck gold? Can we separate the gold from the other substances we have found? What are some different methods for separating materials?

NC: use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating

Can we impress the Chief Alchemist and follow a mysterious set of instructions? Who needs to pan for gold if you can make it yourself?!!!

NC: explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on Bicarbonate of Soda.

In order to access the secrets of Alchemy Island, we have to work out the meaning of a variety of narrative songs. Listen carefully to the lyrics – what do they mean?

NC: ask questions to improve their understanding

NC: predicting what might happen from details stated and implied

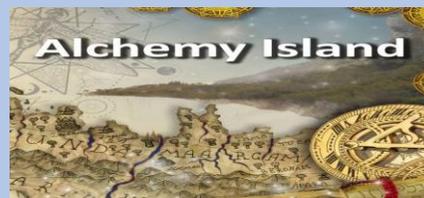
NC: summarising the main ideas drawn from more than one paragraph, identifying key details that support the main ideas

Trips

Ikon Gallery

National Forest

Y5 Summer 2



Questions to Consider

1. What does an alchemist do?
2. What is a portal?
3. What is a kingdom?
4. What is the periodic table?
5. What is the chemical symbol for gold?
6. Name 2 features on a map that can help you to find things.
7. What is a reversible change? Can you give an example?
8. Imagine that you were on an island. You have found some water but you are not sure that it is safe to drink. What would you do?

Geography and History

You will need to use your Alchemy Island map and key in every lesson. This will help you to navigate the island and work out clues or each of our challenges.

NC: Describe and understand key aspects of physical and human geography

NC: Use maps to locate countries (kingdoms) and described features studied.

Study a map of the mystical Alchemy Island. Use 6 figure coordinates to locate different points on the map.

NC: Use the 8 points of a compass, 4 and 6 figure grid references and a key to build their knowledge of the wider world.

Orienteering

NC: Use simple observational and fieldwork techniques to study the local environment and a contrasting environment (The National Forest.)

Art and Design and Technology

Create a detailed model of alchemy island, using papier-mâché techniques.

NC: Select from and use a wide range of materials and components

Prepare and cook meals on our residential trip.

NC: Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.

PE

Athletics

Yoga