

# Science



Find a coin (if you can't just think about it) - why do you think they are made of metal? What makes metal a good material to use to make coins?

There are many different varieties of metals; some of them are **pure** and some are **alloy**.

Research different metals - use a tree map to sort them into pure or alloy.  
(Find out what pure and alloy mean first!)



It is very important to use the right metals for different jobs. To make sure that happens, it's important to look at their properties.

Find out the definitions of these common metal properties:

Lustrous	High Density
Tensile Strength	Hard
High Melting & Boiling Points	Conductor of Heat & Electricity
Malleable	Ductile
Opaque	Sonorous

There are lots of interesting facts about metals - such as, at room temperature, mercury is the only metal that is in liquid form.

Make a poster or video with other facts about metals.

## Week 4 - Adventure Awaits

Choose a famous explorer. Create your own horrible histories episode full of information and disgusting facts.

For example - In the 1950s, Arctic explorer Peter Freuchen formed a chisel out of his own frozen feces (poo!) to free himself from an avalanche.

Create your own worded maths problems based on the theme adventure.

Create your own adventure comic strip.

Watch a film or read a book that tells an adventure story. Write a review.

Create a scavenger hunt for your whole family to take part in!

Design (and create) your own assault course.

Check out this website for more ideas... <http://www.mykidsadventures.com/guide/>

## Topic

### Create your own Adventure Centre

Imagine you have opened your own outdoor adventure centre for people to visit offering a range of outdoor activities such as climbing, orienteering, canoeing, gorge walking or cycling. It is your centre so you can choose whatever you like (some things make be a little out of the ordinary!)

#### Task One

Create a list of activities your centre will offer to the people who come to visit and think about where the visitors will sleep (tents, dormitories, treehouses?).

#### Task Two

Think about the setting for your centre (wood, a lake mountains etc.) Create a map to help people get around. You will need to include where the activities are, the accommodation and another thing you think are important.

#### Task Three

After a long day of activities, it is important to eat well! Create a daily menu for a 3 day trip. Remember the food must fill the visitors with energy as well as taste nice! You could even cook one of the meals and take photos.

#### Task Four

Create a brochure for your centre to convince people to visit. You could look at the Venture Centre's website for ideas. <https://www.venturecentre.im>

