

# Sovereign Hill Education

## Gold! Gold - Properties and Uses

### Research Notes for Primary Schools



## The Precious Metal

### Properties

Gold is the only yellow metal.  
Gold will melt at 1063 degrees Celcius.  
Gold is an excellent conductor of heat and electricity.  
Gold is highly malleable.  
Gold can be rolled so thinly, light will shine through.  
Gold is a ductile metal which means it is capable of being drawn into a thread.  
Gold is unaffected by air, heat or moisture.  
(It will not rust or corrode.)  
Gold purity is indicated by the measurement "carats".  
24 carats = 100% gold  
18 carats = 75% gold.

### Purposes

Gold is principally used as bank gold reserves, and in jewellery and teeth.  
Gold is used decoratively.  
Gold is used to reflect radiated heat.  
Gold is used in equipment that requires transference of heat or electricity.

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