

## James and the gold rush

### Activity sheet – James and the gold rush

Use the Information sheets provided to help you answer these questions.

- 1 James needs to know the type of gold deposit on his claim, so he can buy the right equipment. The three types of claim, and the type of gold found in each, are described in the table below. Which pieces of equipment would James need for each type of claim?

Type of claim	Type of gold deposit	Equipment
River channel and bank	Tiny fragments of gold may be mixed with the gravel in the active channel of the riverbed.	
Hillside (along the sides of the river valley)	Layers of gravel from an earlier course of the river lie along the valley sides and may contain tiny fragments of gold.	
Hard rock	Some rocks contain veins of the mineral quartz. The quartz may contain smaller veins, grains or lumps of gold. These may be discovered by cutting through the rock to the quartz vein.	

- 2 Look at 'Information sheet – Gold claims map'. Choose three claims shown on the map, one of each type. For each type, give some advantages and disadvantages, to help James make his choice. Remember, James wants to make as much profit as possible.

You should consider:

- the amount of money needed to start finding gold on the claim
- the amount of gold that may be in the claim
- how easily the gold can be obtained
- whether other people would be needed to help (and share the profits).

Claim number	Type	Advantages	Disadvantages