

Up, up and away

The children could devise a variety of methods and systems for the transference of water. In the classroom, it is possible to use different diameter plastic piping and syringes to mimic the water supply system.

Children can investigate the use of siphons for moving water up hill. They can explore a variety of different materials to illustrate capillary action to find the most suitable.

Investigation into the workings of archimedes screws can be made. (These can be seen in action at some sewage treatment works.)

COMMUNICATING TO OTHERS

Children could take a photograph of their design and write an explanation to go with it.

MATERIALS

Plastic tubing

Sand

Buckets or fish tanks

Gravel

Syringes

Stones

Up, up and away

Find the answers to these questions:

1 Does water always flow down hill?

2 Using the materials made available can you design ways to make water go up hill?

3 Can you make water travel from the sink to a bucket without touching it?

4 How does the water company take water up hill?