

SCIENCE MISSION IMPOSSIBLE

WATER ALARM

Here is your task:

Our water tank keeps overflowing. Using your knowledge of electric circuits can you design an alarm that will sound when the water rises too high ?

If you wish to accept this task then proceed to the help box below but if you do not accept then you will have to write out the eight times table 100 times !!!!

Help Box

Things you will need are:

- tin foil
- container to hold water and a source of water
- wire, batteries , battery holders and a buzzer

Designing:

- design an alarm that goes off when the water level reaches the top of the container;
- one clue to help you is that tin foil conducts electricity and it can be wrapped around something that floats !

Recording:

- draw a diagram of your finished alarm;
- explain , in terms of electric circuits, how it works.

Follow-up :

- redesign your alarm for someone who is deaf;