

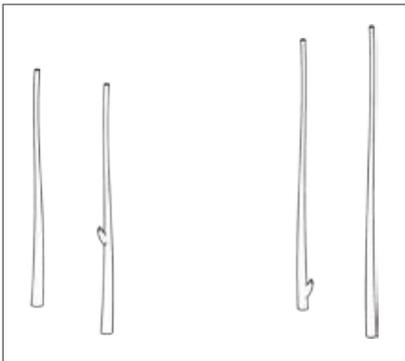
UNDERSTAND THE ISSUE ACTIVITY:

TINFOIL STILL

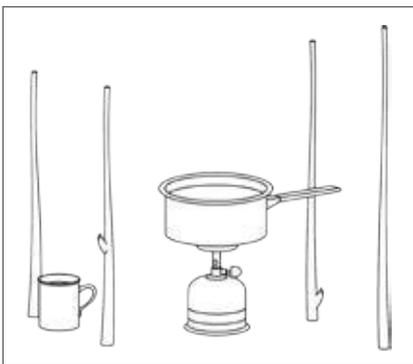
Water is essential for survival, so teach your young people to collect their own clean water with this handy activity

SUITABLE FOR CUBS, SCOUTS, EXPLORERS AND NETWORK

1 Find a safe, stable place for your heat source and push the four sticks into the ground around the heat source so that they are far enough from it to not get burnt. Remember to carry out a risk assessment! Push two sticks that are next to each other further into the ground so you have two sticks lower than the other two.



2 Fill the saucepan with dirty water and place it over the heat source.

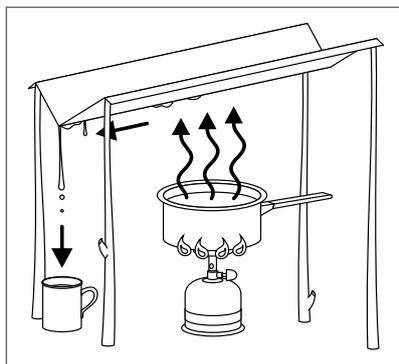


3 Unroll your tinfoil so that you have enough to easily balance on the four sticks. Fold the tinfoil down

the centre. Unfold it so the point is downwards forming a 'v' shape.

4 Place the tinfoil over the saucepan securing it to the four sticks in a way that means the fold falls between the two small sticks at one end and the two tall sticks at the other. Imagine that if you rolled a coin down the fold it would easily run from the high end to the lower end.

5 Put the clean water collecting cup under the lower end of the tinfoil. How it works: As the water heats up steam will rise and condense on the tinfoil rolling down it and into the clean cup.



6 Now see if different shaped tinfoil condensers help trap more water? Does fanning the tinfoil help it condense? Try out some experiments to see how efficient you can make this collector. Reflect on how challenging it is to access clean water if you don't have a readily available water supply.

TIME NEEDED

60 minutes

EQUIPMENT NEEDED

- tinfoil
- four long sticks
- a heat source (this could be a Trangia, gas stove or a campfire)
- a saucepan
- a cup

THIS ACTIVITY LINKS WITH THE FOLLOWING BADGES



Community Impact Staged Activity Badge



Scout Outdoor Challenge Award



Explorer Survival Skills Activity Badge

NEXT STEPS

You have completed:

The next step is to:



UNDERSTAND THE ISSUE



PLAN ACTION

Go to amillionhands.org.uk/bigmoment for a PLAN ACTION activity.

DOWNLOAD THIS PAGE

Find this and other great activities at scouts.org.uk/magazine.