

OUTDOOR BOX

BOTTLE WATER FILTER

Outdoor activities are at the heart of Scouting.

This activity is for Explorers but any section or leaders could take part too !



What you need:

- Large Plastic Bottle
- Piece of Fabric
- Charcoal
- Very Small Stones and Tiny Stones
- Sand
- Grass
- Scissors

How to make it:

Being able to filter water is an important survival skill.

1. Cut the bottom off the bottle and push a small piece of fabric down to the neck end to stop any of the materials falling out, remember to remove the lid.
2. Crush the charcoal and place a 1cm layer of the crushed charcoal into the bottle, next to the fabric.
3. Add a 1cm layer of sand.
4. Add a 1cm layer of tiny stones and then repeat this step with sand and tiny stones once more.
5. Add a 1cm layer of sand and a 1cm layer of small stones.
6. Finally fill up your container with clean fresh grass.
7. Pour though dirty water until it runs clear and remember to hold over a container to collect the filtered water.

Note- In a survival situation you would boil this water on a rolling boil for 5 mins to fully kill any water born bacteria and make it safe to drink. However, this activity is to learn the skill only – PLEASE DO NOT DRINK THIS WATER.

Greater things for the great outdoors:

Why not research on the internet some other survival techniques to expand your knowledge.

Safety Notes:

Online Access: Supervise young people when they're online and give them advice about staying safe.

Scissors / Sharp Objects: Supervise young people appropriately when they're using scissors. Store all sharp objects securely, out of the reach of young people.

THIS ACTIVITY IS TO LEARN THE PROCESS OF WATER FILTRATION ONLY – DO NOT DRINK THE WATER.

