

OBJECTIVES

- To identify a fat, oil or grease.
- To conduct a fair experiment.

RESOURCES

- Fats, oils and greases (butter, lard, oil, cooking sprays, car oil)
- Range of sanitary items (toilet paper, kitchen roll, paper towels, cotton wool, cotton buds, baby wipes, face wipes, toilet wipes)
- Paper and a range of drawing tools
- Buckets and Containers
- Heat proof jug or pan
- Microwave or hob
- Food scraps
- Water
- Pipes

SESSION

- Show the children a range of fats, oils and grease. Discuss their properties. Melt 1 fat and discuss what happens when we cook with fats, particularly butter or lard, they melt. Then pour them into cold water and show what happens when this happens simulating pouring it down the kitchen sink.
- Show a range of paper and wipes – toilet paper, kitchen roll, paper towels, cotton wool, baby wipes, cotton buds, toilet wipes, face wipes. Discuss why we use them at home. Put one of each in a bucket of water and get the children to mix rapidly simulating a flush each for 1 minute. See which items disintegrate.
- Show picture of how a typical house has several drains that then connect to the main sewers.
- Put the cold oil/butter down a pipe and see if it moves through easily. Discuss.
- Put the baby wipes and soggy cotton wool through a pipe. See if it moves easily. Discuss.
- Mix some cold FOG, tissue and wipes with food scraps to show how a fatberg congeals together. Try to put it down the pipe. Discuss.
- Show video of London Fatberg. Does it look like FOG? What do you think it would smell like? Why do you think the drainage engineers need to wear the safety equipment?
- Go through the Fatberg Fighters Factfile and accompanying Powerpoint. Discuss each page as necessary.
- Make posters and leaflets about fatbergs and how to be a fatberg fighter. Have a range of leaflets as examples.
- Certify the children as Fatberg Fighters.