

Tuesday 31st March 2020

LO: To understand the processes used to separate mixtures of materials.

Last week, you looked at materials that were soluble (can dissolve in water) and insoluble (cannot dissolve in water). This week, you are going to look at how to separate different materials that have been mixed together.

- First, you need to read the explanation of how to carry out different processes for separation: evaporation, magnetic attraction, filtration and sieving, which are explained in the table on the Science activity sheet.
- Next, you will look at the different material mixtures in the table (i.e. sand and water) and decide which process of separation would be the most effective at separating the two materials. This needs to be recorded in the correct place on the sheet.
- Finally, you will draw and label a diagram for each process, to show how you would have carried out the separation process for each mixture.

If you cannot print the attached sheet, in your book you can write the name of the mixture, write and complete the sentence: To separate these materials I will use _____ and then draw a picture of the separation process. Repeat this for each of the four mixtures.

- If you have the equipment at home to perform any of these separation processes, have a go and do it! Ask someone at home to take a picture of you carrying out the investigation, so you can share it with me when we are back at school!