

CHEMICAL & PROCESS ENGINEERING

SCIENCE BADGE ACTIVITY SHEET

This is a sample Chemical & Process Engineering Activity Sheet only. Its main purpose is to show you some of the interesting activities that you can do when you choose this badge. Also, you can use this sample sheet to start doing the badge activities, while your teacher is sending away for the full activity sheet and badge. If you have completed some of these activities before your full sheet arrives, your teacher can mark this sheet, then transfer the marks to the full activity sheet.

Rating

Exercises in Chemical & Process Engineering

Teacher's
initials
and date

7* Find out what LPG and CNG are. For an extra star design a poster showing how they are used.

8*** Investigate how the flow rate of salt increases as the hole in a salt shaker is made larger. (Use a hole made in the lid of a jar, and reuse the salt!). Does the height of salt make any difference? Show your results on a chart.

9** Find several different types of paper (eg newsprint, toilet paper, paper bag, airmail letter etc). Measure and record how hard they are to tear when dry and when wet. If possible, look at each under a microscope and report how they differ. Record your results on a chart.

12** Write a report on what dialysis is and how it is used to cleanse the blood of kidney patients.

17** Make a collage of newspaper or magazine articles relating to engineers or manufacturing processes.

18** On a poster describe the processes needed for wool to be fully prepared for carpet and garment manufacture.

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