



## Experiences and Outcomes:

SCN 1-15a	TCH 1-04c
SCN 1-20a	TCH 2-04c
SCN 2-20a	TCH 2-15a

## DYW link:

**Fabric Technologist:** A clothing/textile technologist works with a variety of fabrics, both man-made and natural fibres, as well as leather, fur, metals and plastics. As a technologist, you'll source fabrics or textiles that are fit for purpose and carry out quality control tests.

**Analytical Chemist:** Analytical chemists typically work in laboratories, where they operate and maintain instruments such as spectrometers and chromatographs. They perform tests and other procedures on compounds to discern their nature. They design the procedures they employ and create reports on their results.

## Resources required:

Selection of textiles  
Sticky tape  
Pencils  
Computer/tablet  
Vinegar  
Mayonnaise  
Nails  
Sand paper  
Bicarbonate of soda

## Activity/Challenge:

### Coco Chanel:

- Design a clothing collection for a specific purpose e.g. to keep warm in the Arctic or keep cool in a heat wave. Create mood boards and examples of your collection. Present to other groups and explain fabric choices linked to a brief e.g. down as feathers trap the air and are insulators.

### Marie Curie :

- Explore chemical reactions and the idea that two or more things react together to produce something new. Sand down a nail and put it in vinegar. What happens? Bubbles should appear showing this shows a chemical reaction has occurred. Mix together vinegar and bicarbonate of soda. What happens?
- Grow mould to see a 'live chemical reaction'. Put bread into an air tight bag and leave for a week or two. Do the same with a piece of bread that has been touched by all members of the class. Discuss the changes than can be seen e.g. mould growing, liquid forming or gas being produced. Why do you think this is? Do not open and make sure to dispose of safely.