What is a battery research scientist?

A battery scientist tries to make better batteries using different materials.



This is Lizzie.
She is a battery
research scientist.
Her research looks at
making new battery
materials for
batteries in smart
phones and tablets.

This is important in lots of workplaces, such as:

- research labs
- universities
- ▶ industry, including automotive companies.

## **Key Learning and Science Skills:**

- ► Team worker and patient when investigating.
- Make predictions about suitable materials to use based on their understanding of electricity.

Properties and changes of materials

What is a physical chemist?

A physical chemist studies how materials change and how chemical reactions occur.



This is Ruth Benerito. She invented wrinkle-resistant cotton fabric.

The work of physical chemists is important in lots of workplaces, such as:

- clothing retail stores
- universities
- research laboratories.

## **Key Learning and Science Skills:**

- ▶ Being able to set up a range of practical enquiries to solve problems.
- ▶ Using a range of tests.
- ► Looking for patterns in results.

What is a colour technician?

A colour technician is a hairdresser. They use science and design and technology to create different dyes to colour hair.



This is Alisha Dobson. She specialises in colouring hair.

They might be found working in:

- hairdressing salons
- spas or beauty parlours
- ▶ hotels or cruise ships.

## **Key Learning and Science Skills:**

- Creativity and collaboration to make dyes to suit different hair types.
- Careful observations of how dyes alter hair colour.

Would you like to use your learning about properties and changes of materials when you are older? I wonder if there are more jobs that use properties and changes of materials learning?

