

# Year 10 GCSE Chemistry

We are following the AQA Separate Science specification

## Topics

In Year 10, you will study the following topics:

- Bonding, Structure and Properties (to include revision of Year 9 topic on atomic structure)
- Chemical Changes
- Energy Changes
- Rates of Reaction

In each of these topics you will learn about the scientific concepts and also carry out practical work to develop your *Working Scientifically* skills.

## Practical Science

We will be developing your ability to:

- identify variables and plan an experiment based on a hypothesis
- evaluate the quality of data and identify sources of error in experiments
- draw and analyse graphs
- identify patterns in data and draw conclusions

## Assessment

Within each topic there will be mini assessments to help you check your progress and see where you need to improve.

At the end of each topic you will complete an assessment based on past examination papers.

In the Year 10 mock examinations you will sit one examination which covers the topics studied in Years 9 and 10 in Chemistry.

## Our expectations of you

- ✓ bring all equipment to all lessons, including a calculator
- ✓ complete homework on time and to the best of your ability
- ✓ ask for help and attend the lunchtime Chemistry Clinic when necessary
- ✓ take responsibility for revising scientific language and concepts on a regular basis
- ✓ be aware of where you need to improve and how you can do this