

# Year 9 Science

The Cambridge Secondary 1 Science curriculum is presented in four content areas: Scientific enquiry, Biology, Chemistry and Physics. Scientific enquiry is about considering ideas, evaluating evidence, planning investigative work and recording and analysing data. The Scientific enquiry objectives underpin Biology, Chemistry and Physics, which are focused on developing confidence and interest in scientific knowledge. Environmental awareness and some history of science are also incorporated. The Cambridge Secondary 1 Science curriculum framework continues the journey from the Cambridge Primary Science framework and provides a solid foundation upon which the later stages of education can be built.

## Term 3

Resources and activities:

1. Checkpoint Science 3, Peter D Riley. Chapters 1-19.
2. Cambridge Checkpoint Science 9, M Jones, D.F Freeman, D Sang. Unit 1 Plants, Unit 2 Living things in their environment, Unit 3 Variation and Inheritance, Unit 4 Material properties, Unit 5 Energy Changes, Unit 6 Reactivity, Unit 7 Salts, Unit 8 Rates of Reaction, Unit 9 Forces in action, Unit 10 Electricity, Unit 11 Energy.
3. Brainpop videos and quizzes.
4. BBC Keystage 3 videos and quizzes and activities.
5. Activities and practicals done in the classrooms.
6. Learning games done in class.

Assessments 1<sup>st</sup> half of Term 3:

Checkpoint Science Exam, April 2017. Results will be released in June 2017 tentatively with an official report for each student individually from Cambridge International Examinations.

Assessments 2<sup>nd</sup> half of Term 3:

Final exam for year 9 Science curriculum in June 2017. This will comprise all 11 topics based on the Cambridge Checkpoint Science 9 coursebook and the Year 9 CIE Science curriculum in Secondary 1. It will make a total of 40% of the entire year's grade percentage.