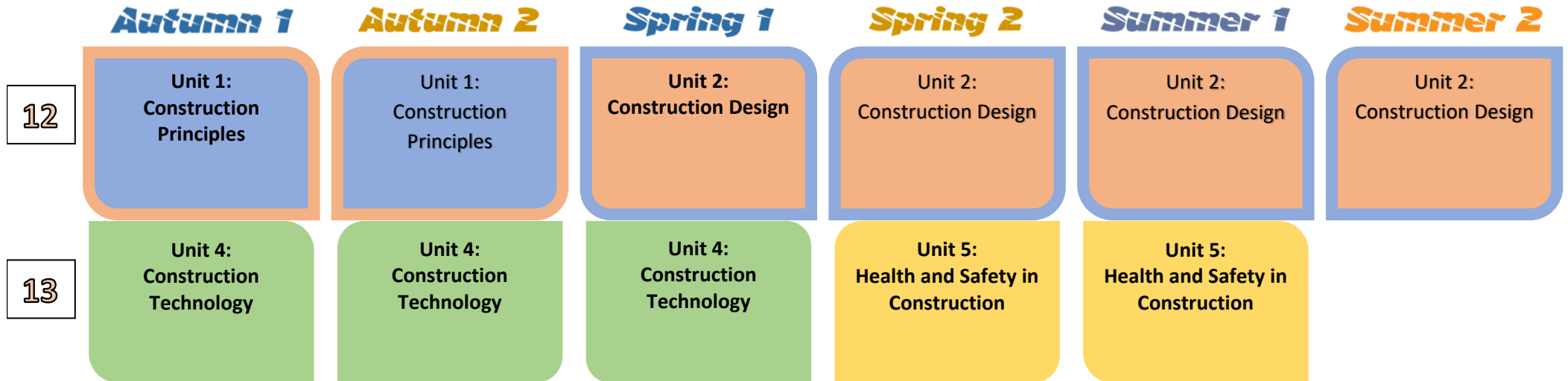


Construction Curriculum

Construction Principles
Construction Design
Construction Technology
Health and Safety in Construction

In Key Stage 4 Construction, students look at various topics that directly link to the Key Stage 4 curriculum, students that have not achieved Level 2 will use topics in Maths and DT learners to support a transition to Construction applying knowledge from KS4:

- Analysing, handling and displaying data, Decimals & Measures, Fractions & Percentages.
- Research, design and project production, CAD/CAM
- Material usage and sustainability.



	In this unit, you will develop the skills needed to solve a variety of practical construction problems by applying scientific knowledge and carrying out mathematical and statistical techniques. You will learn about the science underpinning the manufacture, properties and degradation of construction materials.
	In this unit, you will learn the principles and practice involved in the design and construction of low- and medium-rise buildings and structures, and gain an understanding of how design is influenced by client requirements and external constraints.
	In this unit, you will examine various forms of low-rise construction and consider the most appropriate forms for differing site conditions and client requirements. You will gain an understanding of the different types of foundation that could be used on a project and the factors that influence its selection.
	In this unit, you will examine the responsibilities of employees and employers with regard to UK legislation and regulations and the procedures used to control hazards and risks for construction operations across a range of activities.