



# D&T- CONSTRUCTION - YEAR PLANNER (LTP) – YEAR 10



Term	Learning content/skills	Assessment Schedule*	Home Learning Support (How students can extend learning in addition to homework)
<b>Autumn 1 and 2 and Spring 1</b>	<p>Unit 2: Construction and Design Assessment type: Internal Assessment</p> <p>On completing this unit you will understand what the construction industry undertakes in terms of the different types of buildings and structures it designs and builds. You will learn how client briefs can be developed by analysing the client’s requirements for the building and considering the external constraints on development. You will also gain an understanding of the different types of construction activities that take place within the industry, from civil engineering projects through to the refurbishment of existing older buildings. The contribution that construction makes to the UK built environment and the economy cannot be overestimated in terms of health and safety, design, wealth and comfort.</p> <p>In this unit you will analyse needs and constraints in order to produce a typical client brief for a low-rise domestic building (up to 5.2 metres in height) and produce a range of sketch proposals or ideas from this.</p> <p>During this time you will also conduct a range of practical activities and gain skills in bricklaying, plumbing, joinery and painting and decorating.</p>	<p><b>Two assignments produced towards the end of the term.</b></p> <p><b>Assignment 1: The Scale of the Construction Industry.</b></p> <p><b>Assignment 2: Construction and Design</b></p>	<p>Use You Tube to research a range of common building materials used in the construction industry.</p> <p>Produce a map of all the local construction activities around Chellaston.</p> <p>Download a copy of Google Sketch Up and using the interactive help application produce a range of initial sketches that could meet the requirements of Assignment 2.</p>
<b>Spring 2 and Summer 1 and 2</b>	<p>Unit 1: Construction Technology Assessment type: External Examination</p> <p>On completion of this unit you will develop a detailed understanding of how walls, floors and roofs are constructed, and you will be able to name each component part, along with its functions. This will change with each different type of construction method that can be employed in a building.</p> <p>During this time you will also conduct a range of practical activities and gain skills in bricklaying, plumbing, joinery and painting and decorating. These activities will support the knowledge you will need to pass the external examination.</p>	<p><b>PPE examination at the end of the spring term.</b></p> <p><b>A formal examination during the summer term.</b></p>	<p>Refer to the extension materials placed on Firefly. Complete all the extension activities in the revision workbook.</p>

\*All assessments may be subject to alteration to best suit the learning needs of students.