

Trades Curriculum Map

	KS4 AQA Unit Awards
Au 1	Health and safety in a construction environment (L1) Be able to identify the main causes of accidents in construction Be able to identify potential hazards and minimise the associated risks Identifying and using woodwork tools (Entry Level) Be able to identify ten main woodwork tools as specified on a given list Be able to use the identified tools safely
Au 2	Woodworking skills(L1) Be able to safely handle a range of power tools and hand tools Be aware of the main health and safety guidelines and PPE for each different tool Be able use woodworking tools safely Be able to create a design for a basic wooden structure Be able to create a basic wooden structure Be able to understand basic wooden joints and use them accordingly Constructing a wooden reindeer Be able to select the materials and equipment needed to produce a wooden reindeer Be able to follow Health and Safety requirements Be able to measure and saw the required pieces of wood accurately Be able to glue and assemble the reindeer Be able to add decoration to the reindeer
Sp 1	Plumbing: identifying plumbing tools (entry level) Identify a range of plumbing tools Describe what each tool is used for Plumbing: displaying basic pipe fittings used in plumbing(entry-level) Be able to prepare a board to mount a display of pipe fittings Be able to fit pipe clips to the board Be able to mount the correct fittings on the board Be able to label the fittings on the board
Sp 2	Exploring brick laying: theory (L1) Be able to describe the different tools and materials used in brick laying

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	<p>Be able to calculate the size of a brick wall Be able to complete a risk assessment based on undertaking practical bricklaying tasks Building a straight wall (entry level) Be able to measure and set out the work area Be able to select the correct materials and tools to build a straight wall Be able to remove waste materials and tools are removed at the end of a session Be able to build a wall in stretcher bond using common brick Be able to finish the mortar joints with a half round finish Be able to check the joint thickness to a tolerance of +/-3mm Be able to check gauge level and plumb are within tolerance +/-5mm</p>
<p>Su 1</p>	<p>Tiling a flat area Know how to prepare a flat surface for tiling Be able to Identify tools and equipment required when tiling, ie measuring tape, tile cutter, spacers, goggles, adhesive and grout Know the health and safety requirements needed to work safely with sharp tools, adhesives, grouting and when cutting tiles. Be able to measure the area for tiling and calculate the number of tiles required Be able to create a straight line and use this when fixing a baton to the wall Be able to apply adhesive to the tiles and position them correctly Be able to use spacers to get a regular gap between the tiles Be able to apply grouting between the tiles Be able to remove excess grouting and polish the tiles Painting and decorating Be able to strip off wallpaper from walls Be able to strip paint from woodwork Be able to repair and fill any damaged walls Be able to repair and fill any damaged woodwork Be able to prepare woodwork for painting Be able to apply appropriate paint to the woodwork Be able to apply wallpaper to walls Be able to apply emulsion to walls using suitable tools</p>
<p>Su 2</p>	<p>Constructing a wooden garden planter Be able to measure and cut timber to given dimensions Be able to fix the timber together to form a frame</p>

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Be able to sand and smooth the frame with suitable tools and abrasives

Be able to apply a suitable waterproof finish

General gardening maintenance

Be able to weed a bed containing flowers, shrubs or vegetables

Be able to name and identify at least six garden tools and their function

Be able to remove weeds without damaging any nearby plants

Be able to recognise when a lawn needs treatment for weed or moss

Be able to water plants correctly ensuring water reaches the roots

Curriculum Design for Trades at Cranbury College

The trades curriculum aims to provide a structured and comprehensive approach to teaching construction trades, ensuring students gain valuable practical experience and essential skills for future career opportunities. There is an emphasis on hands-on, project-based learning suited to students who find traditional academic subjects challenging.

Some students are only with us for a short period of time, AQA Unit Awards accommodate all our students' needs regardless of how long they are at Cranbury College, they are used to boost confidence, engagement and motivation, as well as the transferable skills required to be successful in any future work placement, allowing flexibility within or between sectors. Each unit gives a valuable insight into industry, where there are opportunities for progression, from entry level AQA Unit Awards in KS3 to level 1 AQA Unit Awards in KS4.