

Oswaldtwistle School **BTEC Construction Level 1 Award** Long Term Plan

Because of the short stay status of the school and the need to be flexible to accommodate new starters at all points of the academic year the long-term scheme of work needs to be as flexible as possible. The overall plan is that Unit 15 will be taught for the Autumn term and Unit 14 will be taught in the Spring term. The Summer term will be completely flexible to meet the needs of the students at the time.

BTEC Construction Level 1	Topic/Learning Pathway	Key Words	Links to previous learning	Links to wider curriculum
AUTUMN 1	<p>Unit 15 Developing Joinery Skills</p> <ul style="list-style-type: none"> • Know the hand tools used in basic joinery processes. • Know the materials and fixings used in basic joinery processes. • Know the basic personal protective equipment used in basic joinery processes. • Be able to use safe working practices to produce a joinery product. • Be able to work responsibly with others. • Be able to seek and respond to guidance when working as part of a team. 	<ul style="list-style-type: none"> • Vice • Sash Clamp • Bradawl • Sliding bevel • Marking Guage • Countersink • Drill bit • Power Drill • Screw • Nail 	<p>Builds on skills from the KS3 National Curriculum:</p> <p>Select from and use specialist tools, techniques, processes, equipment and machinery precisely.</p> <p>Select from and use a wider, more complex range of materials, components taking into account their properties</p> <p>Understand and use the properties of materials and the performance of structural elements to achieve functioning solutions</p>	<p>Spring 1 - Science – Disease and Health Spring 1 - PSD – managing personal risk</p>
AUTUMN 2	<p>Unit 15 Developing Joinery Skills</p> <ul style="list-style-type: none"> • Know the hand tools used in basic joinery processes. • Know the materials and fixings used in basic joinery processes. • Know the basic personal protective equipment used in basic 	<ul style="list-style-type: none"> • Ash • Oak • Beech • Pine • Cedar • Spruce • Redwood • Manufactured Boards • Medium Density Fibreboard 	<p>Builds on skills from the KS3 National Curriculum:</p> <p>Select from and use specialist tools, techniques, processes, equipment and machinery precisely.</p> <p>Select from and use a wider, more complex range of materials, components</p>	<p>Autumn 1 - Art – wood joints, application of skills, health and safety Summer 1 - Maths – area and perimeter Summer 1 - Science – renewable energy</p>

Oswaldtwistle School **BTEC Construction Level 1 Award** Long Term Plan

Because of the short stay status of the school and the need to be flexible to accommodate new starters at all points of the academic year the long-term scheme of work needs to be as flexible as possible. The overall plan is that Unit 15 will be taught for the Autumn term and Unit 14 will be taught in the Spring term. The Summer term will be completely flexible to meet the needs of the students at the time.

	<p>joinery processes.</p> <ul style="list-style-type: none"> • Be able to use safe working practices to produce a joinery product. • Be able to work responsibly with others. • Be able to seek and respond to guidance when working as part of a team. 	<p>(MDF)</p> <ul style="list-style-type: none"> • Plywood • Chipboard • Hardboard 	<p>taking into account their properties</p> <p>Understand and use the properties of materials and the performance of structural elements to achieve functioning solutions</p>	
SPRING 1	<p>Unit 14 Developing Carpentry Skills</p> <ul style="list-style-type: none"> • List and describe the basic hand tools used in basic carpentry processes. • List and describe the materials used in basic carpentry processes. • List and describe the basic personal protective equipment (PPE) used in basic carpentry processes. • Select and use and tools safely and store safely after use. • Maintain a clean and tidy working environment. • Work responsibly with others in the Workshop. • Follow instructions 	<ul style="list-style-type: none"> • Flat File • Mallet • Steel Rule • Bench Hook • Chisel • G-Clamp • Tenon Saw • Coping Saw • Glass Paper • Rip Saw 	<p>Builds on skills from the KS3 National Curriculum:</p> <p>Select from and use specialist tools, techniques, processes, equipment and machinery precisely.</p> <p>Select from and use a wider, more complex range of materials, components taking into account their properties</p> <p>Understand and use the properties of materials and the performance of structural elements to achieve functioning solutions</p>	Autumn 2 - Maths - constructions

Oswaldtwistle School **BTEC Construction Level 1 Award** Long Term Plan

Because of the short stay status of the school and the need to be flexible to accommodate new starters at all points of the academic year the long-term scheme of work needs to be as flexible as possible. The overall plan is that Unit 15 will be taught for the Autumn term and Unit 14 will be taught in the Spring term. The Summer term will be completely flexible to meet the needs of the students at the time.

	<p>when working with others.</p> <ul style="list-style-type: none"> • Communicate appropriately with others. 			
<p>SPRING 2</p>	<p>Unit 14 Developing Carpentry Skills</p> <ul style="list-style-type: none"> • List and describe the basic hand tools used in basic carpentry processes. • List and describe the materials used in basic carpentry processes. • List and describe the basic personal protective equipment (PPE) used in basic carpentry processes. • Select and use and tools safely and store safely after use. • Maintain a clean and tidy working environment. • Work responsibly with others in the Workshop. • Follow instructions when working with 	<ul style="list-style-type: none"> • Hearing Protection • Ear plugs, • Ear defenders • Eye protection: • Safety glasses • Visor • Goggles • Gloves • Barrier cream • Steel toe-capped boots 	<p>Builds on skills from the KS3 National Curriculum:</p> <p>Select from and use specialist tools, techniques, processes, equipment and machinery precisely.</p> <p>Select from and use a wider, more complex range of materials, components taking into account their properties</p> <p>Understand and use the properties of materials and the performance of structural elements to achieve functioning solutions</p>	

Oswaldtwistle School **BTEC Construction Level 1 Award** Long Term Plan

Because of the short stay status of the school and the need to be flexible to accommodate new starters at all points of the academic year the long-term scheme of work needs to be as flexible as possible. The overall plan is that Unit 15 will be taught for the Autumn term and Unit 14 will be taught in the Spring term. The Summer term will be completely flexible to meet the needs of the students at the time.

	<p>others.</p> <ul style="list-style-type: none"> Communicate appropriately with others. 			
<p>SUMMER 1</p>	<p>Unit 15 Developing Joinery Skills</p> <ul style="list-style-type: none"> Know the hand tools used in basic joinery processes. Know the materials and fixings used in basic joinery processes. Know the basic personal protective equipment used in basic joinery processes. Be able to use safe working practices to produce a joinery product. Be able to work responsibly with others. Be able to seek and respond to guidance when working as part of a team. 	<ul style="list-style-type: none"> Face mask Safety Hat dust mask Overalls apron Corner halving joint Comb joint Cross halving joint Bridle joint Mortise and tenon joint 	<p>Builds on skills from the KS3 National Curriculum:</p> <p>Select from and use specialist tools, techniques, processes, equipment and machinery precisely.</p> <p>Select from and use a wider, more complex range of materials, components taking into account their properties</p> <p>Understand and use the properties of materials and the performance of structural elements to achieve functioning solutions</p>	<p>Spring 1 - Science – Disease and Health Spring 1 - PSD – managing personal risk</p>

Oswaldtwistle School **BTEC Construction Level 1 Award** Long Term Plan

Because of the short stay status of the school and the need to be flexible to accommodate new starters at all points of the academic year the long-term scheme of work needs to be as flexible as possible. The overall plan is that Unit 15 will be taught for the Autumn term and Unit 14 will be taught in the Spring term. The Summer term will be completely flexible to meet the needs of the students at the time.

<p>SUMMER 2</p>	<p>Unit 14 Developing Carpentry Skills</p> <ul style="list-style-type: none"> • List and describe the basic hand tools used in basic carpentry processes. • List and describe the materials used in basic carpentry processes. • List and describe the basic personal protective equipment (PPE) used in basic carpentry processes. • Select and use and tools safely and store safely after use. • Maintain a clean and tidy working environment. • Work responsibly with others in the Workshop. • Follow instructions when working with others. • Communicate appropriately with others. 	<ul style="list-style-type: none"> • Ash • Oak • Beech • Pine • Cedar • Spruce • Redwood • Manufactured Boards • Medium Density Fibreboard (MDF) • Plywood • Chipboard • Hardboard 	<p>Builds on skills from the KS3 National Curriculum:</p> <p>Select from and use specialist tools, techniques, processes, equipment and machinery precisely.</p> <p>Select from and use a wider, more complex range of materials, components taking into account their properties</p> <p>Understand and use the properties of materials and the performance of structural elements to achieve functioning solutions</p>	
------------------------	---	--	---	--