



<b>Teacher:</b>	<b>Rob Mann</b>	<b>Course:</b>	<b>Countryside &amp; Environment/Woodlands</b>	<b>Date:</b>	
<b>Topic:</b>	<b>Wooden Nest Making</b>	<b>Start Time:</b>		<b>End Time :</b>	
<b>Aim:</b>	To Make a Bird box for birds to nest in and hedgehog house.				

**Objectives/Outcomes:**

Timing	Objective	Teacher Activities	Student Activities	Resources	Assessment
		Work stations set up Timber available Hammer & Nails Hinges Innertube cut to size Students work in Pairs  Diagram of bird box at each station Diagram of Hedgehog House Tape measure, pencil and saw at each station H&S procedure re tools etc Completed Bird Box	Online video: <a href="https://youtu.be/M3nJg8c7wWE">https://youtu.be/M3nJg8c7wWE</a>	See handout and online video	
	Why do we need to make bird boxes or other wooden habitat	Open question to confirm students understanding into the reasons behind this practice. prompt ideas; Habitat depletion, Like tidy gardens, natural nesting sites in decline, Modern life styles destroy hedges, trees, old building. =	Discuss in groups possible reasons. Write ideas down on piece on paper	Pen and Paper	Notes at end to go into work book. Question and Answer session

	nests	nowhere to birds to make nests Like to see birds up close in garden. Confirm students understanding			
	What Type of bird box will be made or Hedgehog house	Show plan of bird box with measurements on plank of wood 15cm wide. Measure out the plank talking through the step by step process. Improve maths skills by adding measurements along plank. Always asking questions and answers to confirm understanding Confirm with students to measure twice cut once to ensure accurate reproduction of bird box. Check measurements before next step.	Students working in Pairs will measure out the plans onto a plank in pencil to show the cut lines to be made. Encourage team work, social skills working as a team. Problem solving skills	Plank of wood 15cm wide 180cm long Plan of bird box Tape measure Pencil Saw for edge.	Plank measured out correctly, photo to go into portfolio folder
	Cut out plan and assemble using hammer and pins.	Once plans have been drawn out demonstrate to students how to cut the bird box out. Make a dry run before nailing together to ensure cuts made correctly. Confirm students understanding of how pieces go together. Attach hinge to lid to allow cleaning out of box. Rubber seal across lid to prevent water entering nest box. Confirm students understanding of reasons each part exists and shape of box to keep birds warm and dry.	Cut up plank as per markings Use sharp saw to ensure clean edge. Hold pieces together before nailing	Saw Hammer Nails Clamp Hinge Inner tube Stable gun	Assembles bird box.
	Drill hole in front of box	Explain different hole sizes encourage different bird species. Ask questions as to why this might be. Smaller holes limits predators entering box to steal eggs.	Students to ask questions and answers. Discuss which size like to make	Various drill bit sizes.	Completed box for blue tit, great tit, or



		Predators; Other birds, squirrels, etc. Metal plate found hole to deter Squirrels.	and drill hole into front of bird box		Robin depending on style chosen by student. Photo for portfolio with written assessment from student.
Siting of Completed Work for Bird Box	Ask students what needs to be considered when positioning a bird box and reasons why. Height – keep away from predators, cats, foxes, squirrels, etc. Open fronted nests, robins etc. hidden from view in a shrub, vines etc. Ground beneath – soft so when chicks fly the nest not too hard so as not to kill them. Shelter from Weather Away from feeders; high activity could disturb Not too close to other bird boxes Summarise and confirm understanding	Question and Answers and contribute	Pen paper and work journal.	Take notes to go into work book and add to daily work sheet	
When to set up bird boxes	Nesting season in spring Boxes need to be up before then ideally before February Summarise and confirm	Listen Answer Questions .and contribute	Flip chart paper, pen and paper	Daily work sheet, work journal	
Siting of hedgehog house and ideal time	Ask conditions they need to consider; Quiet, Shaded, entrance out of weather, ideally east to south Part filled with dry leaves or Hay to nest in Try not to disturb it, human smells deter them taking up	Listen, answer questions and contribute	Flip chart paper, pen and paper	Daily work sheet, work journal	



	to set up	residency. Cover with logs, branches etc. Best to set up when nights start drawing in, Autumn time.			
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