Course Title
Key Stage 3 Design Technology

Outline of the Unit / Topic		
Autumn Term Bird Box Project –Focused Practical Task Health & Safety- Understanding safe working practice Marking out and Cutting Material accurately and safely. Assembly – Woodscrews/Nails/PVA Glue/Staples Wood protection – applying preservative. **Autumn Half Term** Insect House Project –Focused Practical Task Health & Safety- Understanding safe working practice Marking out and Cutting Material accurately and safely. Focused practical carpentry skills. Learn how to mark out material accurately and how to safely remove waste material with chisels and rasp files. Learn how to make a cross-halving joint to make a pan stand.	**Spring Term** Cutting Mitre Joints & Dowel Joints to make picture frame. Marking out, cutting and assembly of stand. Design & Decoration of picture frame LED Picture Frame Project Introduction to PCB's, LED's and Resistors. Learn how to solder to a PCB. Completion and testing of circuit. **Spring Half Term** Focused practical carpentry skills. Learn how to mark out material accurately and how to safely remove waste material with chisels and rasp files. Learn how to make a cross-halving joint to make a pan stand.	**Summer Term** Stereo Amplifier Project Building on previous joinery skills to make speaker casing. Use of hole cutters, drills and wood planes. Focus on design element to encourage original/unique product. **Summer Half Term** Soldering of more advanced and complex PCB to assemble, test and fault find. Introduction to Capacitors and Variable Resistors. Attach circuit to casing and decorate as per design. Focused practical carpentry skills. Learn how to mark out material accurately and how to safely remove waste material with chisels and rasp files. Learn how to make a cross-halving joint to make a pan stand.

Assessment details
Students will complete intermittent assessment sheets every 2-3 weeks to gauge learning

Staff Roles
Mr Honey to assess Key Stage 3 Design Tech

Equipment/Health and Safety
All equipment needed for DT lessons will be provided by North Herts ESC

How will it be examined
N/A

Appeals process
N/A

Student Signature		Date	
Staff Signature		Date	