**Gainsborough Primary & Nursery School**

**VOCABULARY PROGRESSION MAP**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Focus | **Early Years** | **Year One** | **Year Two** | **Year Three** | **Year Four** | **Year Five** | **Year Six** |
| **Structures**  |  |  | design criteriaman-madenaturalpropertiesstructurestableshapemodeltest | 2D3Dcastledesignkey featuresnetscoringshapestablestiffstrongstructuretab  |  | beam bridgearch bridgetruss bridgestrengthtechniquecorrugationlaminationstiffnessrigidfactorsstabilityvisual appealaestheticsjoints | apparatusdesign criteriaequipmentplaygroundlandscape featurescladding |
| **Mechanism** |  | slidersmechanismadaptdesign criteriadesigninputmodeltemplateassembletest | designdesign criteriawheelFerris wheelpodsaxleaxle holderframemechanism | mechanismleverpivotlinkage systempneumatic systeminputoutputcomponentthumbnail sketchresearchadaptpropertiesreinforcemotion | chassisenergykineticmechanismair resistancedesignstructuregraphicsresearchmodeltemplate |  | accurateassembly-diagramautomataaxlebench hookcamclampcomponentcutting listdiagramdoweldrill bitsexploded-diagramfinish |
| **Focus** | **Early years** | **Year One** | **Year Two** | **Year Three** | **Year Four** | **Year Five** | **Year Six** |
| **Textiles** |  | decoratedesignfabricgluemodelhand puppetsafety pinstaplestenciltemplate | decoratefabricfabric glueknotneedleneedle threaderrunning stitchsewtemplatethread |  | CriteriaFabricFasteningFixMock-upStitchTemplate | accurateannotateappendageblanket-stitchdesign criteriadetailevaluationfabricsewshapestuffed toystuffingtemplate |  |
| **Electrical systems** |  |  |  |  | batterybulbbuzzerconductorcircuitcircuit diagramelectricityinsulatorseries circuitswitchcomponentdesigndesign criteriadiagram | circuit componentconfigurationcurrentdevelopDIYinvestigatemotormotorisedproblem solveproduct analysisseries circuitstabletarget user | assemblebatterybattery packbenefitbulbbulb holderbuzzercircuitcircuit symbolcomponentconductorcopperdesigndesign criteria |
| **Digital world** |  |  |  | smart wearablesproduct designdigital revolutiontechnologyanaloguedigitalfeaturefunctiondigital worldMicro:bitelectronic productsprogramloopsinitiate | researchadvantagedisadvantagecriteriadesignergonomictimerprogramloopcodingblockvariablepausebug |  | smartsmartphoneequipmentnavigationcardinal compassapplication (apps)pedometerGPS trackerdesign briefdesign criteriaclientfunctionprogramduplicate |
| **Cooking and nutrition** |  | blendblenderchopping boardcomparecutdesignevaluateflavourforkfruithealthyingredientsjuicejuicer |  | climatedietimportedingredientsnaturalprocessedrearedrecipeseasonalseasonssugar |  | beefrearedprocessedethicaldietingredientssupermarketfarmbalanced |  |