**Gainsborough Primary & Nursery School**

**VOCABULARY PROGRESSION MAP**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Focus | **Early Years** | **Year One** | **Year Two** | **Year Three** | **Year Four** | **Year Five** | **Year Six** |
| **Structures** |  |  | design criteria  man-made  natural  properties  structure  stable  shape  model  test | 2D  3D  castle  design  key features  net  scoring  shape  stable  stiff  strong  structure  tab |  | beam bridge  arch bridge  truss bridge  strength  technique  corrugation  lamination  stiffness  rigid  factors  stability  visual appeal  aesthetics  joints | apparatus  design criteria  equipment  playground  landscape features  cladding |
| **Mechanism** |  | sliders  mechanism  adapt  design criteria  design  input  model  template  assemble  test | design  design criteria  wheel  Ferris wheel  pods  axle  axle holder  frame  mechanism | mechanism  lever  pivot  linkage system  pneumatic system  input  output  component  thumbnail sketch  research  adapt  properties  reinforce  motion | chassis  energy  kinetic  mechanism  air resistance  design  structure  graphics  research  model  template |  | accurate  assembly-diagram  automata  axle  bench hook  cam  clamp  component  cutting list  diagram  dowel  drill bits  exploded-diagram  finish |
| **Focus** | **Early years** | **Year One** | **Year Two** | **Year Three** | **Year Four** | **Year Five** | **Year Six** |
| **Textiles** |  | decorate  design  fabric  glue  model  hand puppet  safety pin  staple  stencil  template | decorate  fabric  fabric glue  knot  needle  needle threader  running stitch  sew  template  thread |  | Criteria  Fabric  Fastening  Fix  Mock-up  Stitch  Template | accurate  annotate  appendage  blanket-stitch  design criteria  detail  evaluation  fabric  sew  shape  stuffed toy  stuffing  template |  |
| **Electrical systems** |  |  |  |  | battery  bulb  buzzer  conductor  circuit  circuit diagram  electricity  insulator  series circuit  switch  component  design  design criteria  diagram | circuit component  configuration  current  develop  DIY  investigate  motor  motorised  problem solve  product analysis  series circuit  stable  target user | assemble  battery  battery pack  benefit  bulb  bulb holder  buzzer  circuit  circuit symbol  component  conductor  copper  design  design criteria |
| **Digital world** |  |  |  | smart wearables  product design  digital revolution  technology  analogue  digital  feature  function  digital world  Micro:bit  electronic products  program  loops  initiate | research  advantage  disadvantage  criteria  design  ergonomic  timer  program  loop  coding  block  variable  pause  bug |  | smart  smartphone  equipment  navigation  cardinal compass  application (apps)  pedometer  GPS tracker  design brief  design criteria  client  function  program  duplicate |
| **Cooking and nutrition** |  | blend  blender  chopping board  compare  cut  design  evaluate  flavour  fork  fruit  healthy  ingredients  juice  juicer |  | climate  diet  imported  ingredients  natural  processed  reared  recipe  seasonal  seasons  sugar |  | beef  reared  processed  ethical  diet  ingredients  supermarket  farm  balanced |  |