



Elms Bank
School & College

Excellence for All

Product Design

Long Term Plan – Explore KS4

	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
WJEC Entry Pathways Key Stage 4	Drawing directed colour ideas using templates and lightboxes Selecting tools and equipment that are appropriate Using Google to research useful material and realia Workshop Safety – PPE Project – Earphone Wrap	Modelling Ideas using basic compliant materials from templates Using CAD package to develop ideas Workshop Safety – PPE Project – Earphone Wrap	Workshop Safety signs and warnings. Reflecting on use of tools and equipment Using CAM equipment to prototype ideas Project – Sweet Machine	Formulating simple specification based on user need Drawing basic 3D shapes in oblique Modelling with block materials and joining to sheet modelling materials Project – Sweet Machine	Working with tools and powered equipment–shaping and finishing with limited support Joining and fixing methods – semi and permanent joining Project – Money Box	Play / Wellbeing Curriculum / Transition