**St Saviour’s Art MTP – Core Content and Expectations**

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| **Year** | **Block A – Term 1** | **Block B – Term 2** | **Block C – Term 3** | **Block D – Term 4** | **Block E – Term 5** | **Block F – Term 6** |
| **3** | **Textiles**Explore ways to stiffen fabricUse stiffened fabric to create a ridged box.  | **Food and Nutrition**Consider what a balanced diet isMake three products that are often bought pre-made or highly processed.CUSP LINK – Animals inc. humans | **Mechanisms**Investigate various linkages and levers to design Make their own linkages and levers productSelect and use a variety of modelling materials to create a final outcomeCUSP LINK –Forces and Magnets | **Food and Nutrition**Explore the nutritional value of food and its effect on our physical and mental healthPractice methods for preparing arange of vegetables and apply these skills to create different dishesChange the texture and flavour of food by roasting and adding herbs and spices | **Systems**Look at different types of energy and how these can be used to power different devicesConsider how design choices areinfluenced by energy sourcesCUSP LINK –Light | **Structures**Investigate how the shape and features of a bridge canaffect how strong it isIdentify types of bridges and the structural changes that engineers and architects make to increase the stability of structures |
| **4** | **Food and Nutrition** Explore the difference between freshly made food and mass-produced foodKnow common foods that are part of a healthy diet but are often bought premade and can contribute to poor physicaland mental health. | **Mechanisms**Investigate how hinges work. Select a range of modelling materials and tools to make hinged products.Evaluate and modify throughout. | **Textiles**Learn how to sew a button onto fabricIdentify the different functions of fastenings and reflect on the advantages or disadvantages of using certain fastenersCreate a solution to the problem of a towel slipping off a hook | **Structures**Explore which shapes can be used to provide stability in structuresUse a range of materials toinvestigate 3D shapes Collaborate on a class geodesicdome structure. | **Electrical Systems**Learn how different types of switches work within electrical circuits and how these can beused to perform a function in a product.CUSP LINK – Electricity | **Food and Nutrition**Learn how to make healthy food from low-cost ingredientsConsider how cheap processed foods will affect diet and health in later lifeCUSP LINK – Animals inc. humans (digestion) |
| **5** | **Electrical Systems**Draw on previousknowledge Design and make a road safety beltWrite a simple program for a ‘micro:bit’Evaluate the outcomeagainst the design brief.LINK – Computing programming (iProgram - Scratch) | **Food and Nutrition**Look to Middle Eastern and Danish foods for inspiration Consider what they can learn from the diets of different cultures. Learn how to make flatbreadsUse a range of techniques to make delicious, appetising food. | **Textiles**Consider the durability of fabrics. Design and make a functional andhardwearing lunch bagCreate fair tests to investigate theproperties of a range of fabrics and consider insulation and waterproofing | **Mechanisms**Investigate how pulleys and gears workDesign and make their own pulleys and gears products, selecting and using a varietyof modelling materials to create final outcomesCUSP LINK – Forces | **Structures**Look at a range of ways that frames are reinforced tomake them stableIdentify joins and supportsand create a model shelter based on what they have learnt | **Food and Nutrition**Look to different countries to see what can be learnt from different culturesLearn how certain foods cancontribute to good health and wellbeing.Learn how modern Britishfood represents an eclectic mix ofculturesCUSP LINK – World Countries |
| **6** | **Food and Nutrition**Study and make street foods from different culturesReflect on their own diet and snacks and how their nutritional value could be improved.Learn about a range of different cultures. | **Mechanisms**Investigate how pulleys and gears work Design and make their own gears product. Select and use a variety of modelling materials to create a final outcome | **Food and Nutrition**Learn how to cook foods thatare often pre-made and processedLearn and apply techniques to make dishes designed to help improve energy levels, mood and future health. | **Structures**Test the strengthof a material (spaghetti)Apply what they have learned to construct a tower. | **Electrical Systems**Learn how switches can be combined with electrical components in different ways to change the functionality of aproduct.CUSP LINK – Electricity | **Textiles**Learn how they can reduce waste by recycling and repurposing snack packets and plastic bags into useful items. |