**** Easterside Academy STEM provision 2020-21**

**Cycle 1 and Cycle 2**

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| **Team** |  | **Autumn****1** | **Autumn****2** | **Spring****1** | **Spring** **2** | **Summer** **1** | **Summer** **2** |
| **EYS** | **Cycle 1/2** | Changes- Getting to know the new resources in the setting.Construction of buildings and vehicles |  |  |  | Off-We go-Transport and journeysConstruction of buildings and vehicles |  |
| **KS1** | **Cycle 1** | How did dinosaurs become extinct?Making crocodiles/reptiles | Who burnt London down?Recreating buildings in LondonStem ambassador-engineering |  |  | How did castles best defend against invaders?Constructing castlesSTEM ambassador-engineering  |  |
| **Cycle 2** |  |  | What’s in Space?Making launch pad/rocket/space station |  |  |  |
| **Y3/4** | **Cycle 1** |  What is the journey of the Cacao bean?Making vehicle/ factory machine.STEM ambassador- mechanical |  | How did Pompeii once become a lost city?Reconstructing Pompeii and simulating earthquakes STEM ambassador-engineering/coding |  |  | What does it mean to be civilised?Making machines/fairground ridesSTEM ambassador-Construction |
| **Cycle 2** | How did the fire of Colchester start?Reconstructing city of ColchesterSTEM Ambassador-construction |  |  | How does the Body work?STEM links-doctor/biology lecturer/secondary teacher |  |  |
| **Y5/6**  | **Cycle 1** |  |  | Can we prevent the Frozen Kingdom from disappearing? Links with HMS Protector-STEM focus | How safe were Victorian mines?Construct a safety alert system for a mine.Links with STEM-engineer/electrical ambassador. | How do things move?Constructing moving animal-roboticsSTEM ambassador-construction/computing |  |
| **Cycle 2** | Is there anyone else?Constructing moon buggiesSTEM ambassador-engineering/ astronomy  |  | Which river had more impact-The River Nile or the River Tees?Making shaduf/water irrigation systemSTEM ambassador –engineering  |  |  |  |

**\*A variety of Lego Kits /K’nex used throughout school- progression and continuity built into the task design and equipment used**