Year Group	Term	Theme	Theme Title	No.of weeks	Trip	Parental Engagement
5	Sp2	STEM	Plastic no to so Fantastic	5	Think Tank Birmingham	N/A

Skills covered

IT	Design Technology	Geography	Economic Wellbeing	Citizenship
Ict30 Use ICT to explore and develop simple models by changing variables and simple formulae **Ict31** Use ICT to create and refine sequences of instructions to explore problems and make controllable systems **Ict32** Answer questions by using ICT to identify, collect, store, analyse and present information **Ict33** Verify the accuracy and reliability of the information found online, detect bias and distinguish evidence from opinion **Ict34** Analyse, describe and discuss the effectiveness of their work with ICT **Ict35** Identify a range of ways to report concerns and inappropriate behaviour **Ict36** Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content **Ict37** Represent data from analysis in appropriate ways, including the use of graphs **Ict38** Use a variety of ICT tools to create, develop and refine presentations and performances, integrating effects to enhance outcomes **Ict39** Select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information **Ict40** Organise and adjust communication according to the needs of the audience and the technology, including taking account of the quality and content of the communication **Ict41** Use a variety of ICT tools to create, refine and present work in a variety of digital and printed formats using appropriate forms and conventions **Ict42** Use ICT safely, respectfully and responsibly, managing risk and showing awareness of other users	**Dt35** Investigate ways of meeting design challenges with a construction focus **Dt36** Investigate how the work of individuals in design and technology has helped to shape the world **Dt37** Identify users' views and take these into account **Dt38** Analyse a range of existing products **Dt39** Estimate and measure using appropriate instruments and units **Dt40** Plan what they have to do, including how to use materials, equipment and processes **Dt41** Communicate design ideas in different ways e.g discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design **Dt42** Apply knowledge of mechanical and electrical control when designing and making functional products **Dt43** Refine sequences of instructions to control events or make things happen	**Ge43** Ask suitable geographical questions leading to investigation **Ge44** Investigate ways in which environments can be improved **Ge45** Investigate using an increasing range of primary and secondary sources of information **Ge46** Analyse evidence and draw conclusions **Ge47** Identify a range of geographical processes that cause change in the physical and human world in different places	**PW52** Talk, write and explain their views on issues that affect the wider environment **PW55** Take action based on responsible choices	**Ci17** Recognise how rights need to be balanced against responsibilities in order to protect individuals and communities from injustice **Ci18** Recognise that communities and the people within them are diverse, changing and interconnected **Ci19** Recognise that people's basic needs are the same around the world, discussing why some societies are more able to meet these needs than others **Ci21** Discuss how people can live and work together to benefit their communities **Ci24** Work collaboratively towards common goals **Ci25** Reach agreements, make decisions and manage discussions to achieve positive results **Ci26** Engage actively with democratic processes and address issues of concern to them through their actions and decision-making