



Subject	Year	Term
STEM	7	1
Topic		
Introduction to STEM and Graph Skills		
Content (Intent)		
Prior Learning (Topic) N/A		
In KS2 students have learned: - about the wider world in general. - to interpret and present data using bar charts and tables. - to interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. - to develop creative skills through modelling. - basic scientific formulas and facts.		
Future Learning (Topic) Aerospace Challenge		
What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)	
Students will investigate the opportunities that STEM subjects can give them and research careers based on them. They will understand the links between the four STEM subjects. Students will practice graph work and data handling skills needed in STEM lessons throughout the year with particular focus on choosing the appropriate graphs for various situations and ensuring graphs are complete and concise.	Homework will include research based on the careers and opportunities discussed in lessons and this research will be marked by the teacher. Graph work completed in class will be assessed through a mixture of self-assessment against success criteria, peer-assessment and teacher feedback. There are many built-in opportunities for graph work to be assessed throughout the STEM curriculum.	
How can parents help at home?		
Students will be given homework tasks to produce based on specific STEM subjects and whole topic. Provide students with resources to allow them to research STEM careers and opportunities. Provide resources for modelling at home.		
Helpful further reading/discussion (including Reading and Vocabulary Lists)		
Reading STEM Careers on YouTube Scales, Coordinates and Graphs on BBC Bitesize or Corbettmaths Women in STEM resources on stem.org.uk	Vocabulary Lists Engineering Scale Interval Coordinate Axes	Line graph Variable Independent