

Sticky Knowledge – Computing

Class – Maples

Year 5



Online Safety/ Spreadsheets

Autumn 1

- How do you stay safe online? What does SMART stand for?
- Who do I tell if I see anything online that makes me upset or scared?
- Why are passwords so important?
- Why is it important to reference sources in my work?
- What is a formula?
- Can you explain how to add a formula on Purple Mash? Explain what a spreadsheet model of a real-life situation is and what it can be used for?

3D Modelling

Autumn 2

- What are the different view of an object available in 2Design and Make?
- How can the objects designed in 2Design and Make be turned into 3D objects?
- How is CAD software used in industry?

Coding

Spring 1

- What does simulating a physical system mean?
- Describe how you would use variables to make a timer countdown and a scorepad for a game
- Give examples of how you could use the Launch command in 2Code?
- What do the terms decomposition and abstraction mean?

Word Processing

Spring 2

- What is a word processing tool used for?
- What features can you use to make a document more readable?
- How do you successfully add an image to a document?

Game Creator

Summer 1

- What is the 2DIY3D tool on Purple Mash?
- What makes a good computer game?
- Why is it important to continually evaluate your game?

Databases/ Concept Maps

Summer 2

- What is a database?
- Why is the collaborative feature important?
- In what ways can I sort information in a database?
- What is a concept map?
- How is information arranged on a concept map?
- How does a concept map help share ideas?