The Sultan's School Year 2 Medium Term Curriculum plan for ICT - Information for parents

Block	Unit/Strand	Key Targets and Learning Objectives	Activities	Key vocabulary
Internet Safety and Digital Citizenship will be taught over the course of the year through short focused tasks, videos, peer assessment/tutoring, discussions... **Students in Year 2 will be enrolled in Computer Science Fundamentals Course B at www.code.org. In this course students will Design, write and debug programs that accomplish specific goals.This online course will start in Block 1 and conclude mid-way through Block 5.** **Other short, single lesson activities which do not appear on the MTP may take place during any block dependant on school events and national holidays…**				
1	**Digital Art** Digital Literacy	• Insert and manipulate pictures in PowerPoint • Create a poster with images and text • Copy and paste images from a pre-prepared collection of images	**Images of Oman** • Students will navigate to and search a pre-prepared collection of images of Oman • Students will insert, rotate and resize pictures to create a collage in PowerPoint for National Day • Students will insert a title and name their work **Code.org** • Students will develop critical thinking, logic and problem solving skills coding online at www.code.org	Insert Resize Resize Layer Background
2	**Internet** Information Technology	• Understand what personal information is and that it must not be given on the Internet without parents' or teachers' permission. • Create pictograms to display collected data • Answer questions by reading pictograms	**Displaying Data** • Students will create pictograms, bar graphs and pie charts using interactive online resources (http://www.topmarks.co.uk/maths-games/5-7-years/data-handling) **E-Safety** • Students will watch a video on E-Safety • Discuss the Four Top Tips for Safety • Children draw a poster on one of the the Four Top Tips for Safety **Code.org** • Students will develop critical thinking, logic and problem solving skills coding online at www.code.org	Internet Browser E-safety Diagram Data Collect Sort Load

3	**Programming** Computer Science	• Program a *BeeBot* to follow a specific path using repeated commands • Program a BeeBot by reading an algorithm • Write a simple algorithm and test it	**Getting Around** • Students will program *BeeBots* to follow given routes on a floor mat • Students will write instructions to program a Beebot **Code.org** • Students will develop critical thinking, logic and problem solving skills coding online at www.code.org	Commands Program Algorithm Forward Backward Turn right Turn left Pause
4	**Word Processing** Digital Literacy	• Type words and use space bar, enter key, capital letters correctly • Use Microsoft Word tools to edit text • Copy and paste images from a pre-prepared collection of images to illustrate their work	**List it!** • Students will classify everyday objects and items • Students will use *Microsoft Word* to create lists of classified items in their groups • Students will format and decorate their work with images from a pre-prepared collection of images • Students will use Microsoft Word tools to edit text **Code.org** • Students will develop critical thinking, logic and problem solving skills coding online at www.code.org	Highlight Font Centralize Font Colour Shift Enter Backspace Caps Lock
5	**Input vs Output** Theory	• Design, write and debug programs that accomplish specific goals • Understand input and output devices and how they are different • Create an interactive quiz using 2DIY	**Input vs Output** • Students will learn the definition of and differences between input and output devices through presentations and online research • Students will create their own interactive quiz to demonstrate their understanding of input and output devices **Code.org** • Students will consolidate critical thinking, logic and problem solving skills coding online at www.code.org	Program Algorithm Instructions Input Output Device