The Sultan's School Year 1 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 1 will be enrolled in Computer Science Fundamentals Course A 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 2 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	**Skill Building** Digital Literacy **Digital Art** Digital Literacy	• Identify and select specific icons on the desktop • Use the right and left buttons on the mouse and the scroll wheel • Use simple tools in a painting package	**Oman** • Using Tux*Paint* freeware, draw a beach using the "brush", "fill" (bucket),"colour" palette tools, and stamps. • Cross-curricular activities linked to maths, English and the arts	Desktop Icon Keyboard Mouse Right/Left Button Brush Fill in
2	**Simulations** Digital Literacy	• Create an interactive Dress Teddy game • Click and hold the left button on the mouse to drag an object and drop it at a specific point on the screen • Follow instructions to copy a given pattern on the screen • Understand that some sites are not appropriate for children and the computer should be used under adult supervision.	**What to Wear** • Using *2DIY* software draw a bear and some clothes • Create Flash based interactive drag and drop activities using *2DIY* software. • Play by dragging the clothes to dress teddy **E-Safety** • Students will watch a video on E-Safety • Discuss what to do when something goes wrong on the computer **Code.org** • Students will develop critical thinking, logic and problem solving skills coding online at www.code.org	Click Drag Hold Drop Draw Insert

3	**BeeBots** Computer Science	• Follow simple directions whilst blindfolded • Command a Bee-Bot to move to a specific picture on a floor mat • Read a set of instructions and program a Bee-Bot to follow it	**I Am Robot** • Kinesthetic activities to introduce directional commands and concepts of control technology • *BeeBot* activities on floor mats to reinforce directional commands • Program a Bee-Bot to turn right, left or go straight to reach a specific point on a map. **Code.org** • Students will develop critical thinking, logic and problem solving skills coding online at www.code.org	Instructions Go forward Go backward Turn right Turn left Program
4	**Word Processing** Digital Literacy	• Type familiar words using Microsoft Word • Use Microsoft Word basic tools to change text colour • Use Microsoft Word basic tools to change font size	**Spelling Bee** • Students will type the colours and colour them according to its name • Students will type number value and words and change their colour and size **Code.org** • Students will develop critical thinking, logic and problem solving skills coding online at www.code.org	Resize Text Select Colour Font Size
5	**Theory** Information Technology **Internet** Digital Literacy Information Technology	• Identify and name basic computer hardware. • Follow code and write a program to guide a robot to achieve a specific goal. Debug the code if the goal is not achieved. • Understand that algorithms are simply instructions that can be used to write the programs computers and robots need.	**My Computer** • Students will review familiar computer words such as Monitor, Desktop, Mouse, Printer, CPU, Keyboard and will answer an interactive quiz • Students will develop further directional commands by programming Dash and Dot to move and light up different colours. • Students will follow pre-written code to achieve a goal and debug the code if the goal is not achieved. **Code.org** • Students will consolidate critical thinking, logic and problem solving skills coding online at www.code.org	Monitor Desktop Mouse Printer CPU Keyboard Headphone Algorithm Code Debug