

The Sultan's School Year 3 Medium Term Curriculum plan for ICT - Information for parents

Block	Unit/Strand	Key Targets and Learning Objectives	Activities	Key vocabulary
<p>Internet Safety and Digital Citizenship will be taught over the course of the year through short focused tasks, videos, peer assessment/tutoring, discussions...</p> <p>Students in Year 3 will be enrolled in Computer Science Fundamentals Course C 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.</p> <p>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...</p>				
1	Sequencing Digital Literacy	<ul style="list-style-type: none"> • Create a simple picture slideshow on PowerPoint • Insert and format images on PowerPoint • Create and format textboxes and add meaningful text to a PowerPoint slideshow 	<p>Oman</p> <ul style="list-style-type: none"> • Students insert images in <i>Microsoft PowerPoint</i> to create a slideshow of the riches of Oman • Students insert text to label their pictures <p>Code.org</p> <ul style="list-style-type: none"> • Students will develop critical thinking, logic and problem solving skills coding online at www.code.org 	Font Font size Font colour Image Insert Copy/Paste Resize Handles
2	Digital Art Digital Literacy	<ul style="list-style-type: none"> • Use paint/text editing tools to draw a flower with its basic parts (root, stem, leaf, petals) • Create drag and drop labels, add sounds and a scoring system • Convert to Flash to create an interactive labelling activity 	<p>Dandelion Diagrams</p> <ul style="list-style-type: none"> • Students paint and label the parts of a plant using 2DIY or Paint. • Students save and print their work for portfolios and display. <p>Code.org</p> <ul style="list-style-type: none"> • Students will develop critical thinking, logic and problem solving skills coding online at www.code.org 	Paint Tool Brush Label Text box

3	Programming Computer Science	<ul style="list-style-type: none"> • Understand that control devices follow stored instructions which can contain numerical data and that instructions can be repeated • Write a simple algorithm and use it to create a program • Collaborate to create a coordinated routine using <i>Beebots</i> 	<u>My Algorithm</u> <ul style="list-style-type: none"> • Students discuss robotics and instructions; learn the meaning of “algorithm”. As a class students write and code an algorithm and test it on a “Beebot”. • In pairs students code algorithms independently and test it on a “Beebot”. <u>Code.org</u> <ul style="list-style-type: none"> • Students will develop critical thinking, logic and problem solving skills coding online at www.code.org 	Forward Left Right Back Instructions Algorithm Coding Program
4	Word Processing Digital Literacy (Classifying – MS Word)	<ul style="list-style-type: none"> • Demonstrate an understanding and awareness of e-safety • Use Microsoft PowerPoint to create an e-safety poster • Use captions to give more information about illustrations 	<u>E-Safety</u> <ul style="list-style-type: none"> • Students will watch a video on E-Safety • Discuss how they can be safe online • Use Microsoft PowerPoint to create an e-safety poster adding captions for the illustrations <u>Code.org</u> <ul style="list-style-type: none"> • Students will develop critical thinking, logic and problem solving skills coding online at www.code.org 	E-safety Step Edit Theme
5	Game Design Computer Science Digital Literacy	<ul style="list-style-type: none"> • Understand what makes video games different • Design and create a video game using 2DIY • Design, write and debug programs that accomplish specific goals 	<u>Time to Play</u> <ul style="list-style-type: none"> • Students will watch videos to learn about different video game genres • Students will plan and design a video game of their choosing • Students will create a video game using 2DIY <u>Code.org</u> <ul style="list-style-type: none"> • Students will consolidate critical thinking, logic and problem solving skills coding online at www.code.org 	Forward Backward Left Right Sequence