



Subject: ICT

ICT equips students to use computational thinking and creativity to understand and change the digital world and has close links with math's and science. Students are taught the principles of information and computation, how digital systems work, and how to put this knowledge to use through a variety of different methods. ICT also ensures that students become digitally literate – able to use, and express themselves and develop their ideas through, information and communication technology as active participants in a digital world.

Term 1 (Aug – Oct)	Term 2 (Oct – Dec)	Term 3 (Jan – Mar)	Term 4 (Mar – Jun)
9 weeks	8 weeks	12 weeks	8 weeks
<p>Introduction to school</p> <ul style="list-style-type: none"> Classroom rules Expectations student and teacher Targets and target setting <p>Pseudocode</p> <ul style="list-style-type: none"> Different programming languages Pseudocode Problem solving using pseudocode <p>Programming using python</p> <ul style="list-style-type: none"> Introduction to python Python programming Problem solving using python 	<p>Investigating images</p> <ul style="list-style-type: none"> What is an image - pixels Colour depth and quality Photoshop skills to edit images Looking at green screen technology <p>Investigating sound</p> <ul style="list-style-type: none"> How is sound made Introduction to Audacity Creation of a sound file <p>Project based assignment around sound and images</p>	<p>Databases</p> <ul style="list-style-type: none"> Create a flat file database Introduction to relational database Use data entry forms Run queries Create reports Database project <p>Logic gates</p> <ul style="list-style-type: none"> What is a logic gate Introduce: AND Introduce: OR Introduce: NOT Creation of logic gates using simulator 	<p>WWW and HTML</p> <ul style="list-style-type: none"> History of WWW Introduction of HTML HTML basics using notepad Website creation Project showing KS3 best bits Showcase of website for transition days