

## Feedback form: Computing

What are we currently learning in lessons?	
<p>We are currently working on the topic Binary and Computer Logic, some of the key concepts that we are covering in this topic are:</p> <ul style="list-style-type: none"> <li>• Understand binary and why it is used in computing</li> <li>• Know how to convert between denary and binary</li> <li>• Understand how binary is used to encode text and images</li> </ul> <p>Using these concepts above, students are then expected to apply the knowledge and design an app in the format of a quiz, game, or an animation. Students need to ensure they spend time designing this, debugging and testing to ensure it follows through in a sequence.</p> <p>Key Vocabulary used: Input, output, switch, logic gate, AND gate, OR gate, truth table, NOT gate, inverter, decimal system, denary system, base 10, place value, binary system, base 2, app, logic gates, bug, debugging, ASCII, bit, byte, Unicode, bitmap graphics, pixel, pixelated, resolution, data representation, metadata</p>	
Areas of Excellence	
Heart	Mind
<p>This unit prepares children for the challenges of living and learning in a technology-enriched increasingly interconnected world.</p> <p>Binary and Computer Logic also teaches students that all information processed by a computer is in the form of a sequence of 1's and 0's, and so all data needs to be converted into Binary.</p>	<p>Students are given the opportunity to understand the difference between the different bases, looking at place value and reading from slides.</p>
Areas of Development	
Heart	Mind
<p>Providing students with the opportunity to work collaboratively, thus enhancing their teamwork skills.</p>	<p>Be able to link the concept of Binary to real life examples such as switches (1,0).</p>
How can you support your child at home?	
<p>In order to support your child at home you can:</p> <p>Students are set weekly home learning on Boost learning which they can access by signing into Microsoft, please ensure they complete this to consolidate their learning. <a href="#">Boost - Courses   Resources   Lessons   eBooks   Knowledge Tests (boost-learning.com)</a></p> <p>Scratch- this is an open free website which students can use to create games, animations and quizzes. Please encourage your child to use this website to further develop their knowledge allowing them to experiment with different blocks of code. <a href="#">Scratch - Imagine, Program, Share (mit.edu)</a></p>	