

Year 8 Digital Technology  
Learning & Assessment Overview 2020

Semester 1		Semester 2	
<b>DIG 08.01</b> <b>Introduction to Data Solutions</b>	<b>DIG 08.02</b> <b>Binary Data Representation and Multimedia Elements</b>	<b>DIG 08.03</b> <b>Introduction to Coding in HTML</b>	<b>DIG 08.04</b> <b>Moving from Block Coding to Text-Based Coding</b>
In this unit, students will use Excel and Access to manipulate data to help record the results from the school's athletics carnival. Excel and Access are two computer programs which process data and are used when we buy our milk at the grocery store to internet shopping. Students will use these programs to help record results for the school's athletic carnival.	In this unit, students will investigate how text, image and audio data is represented in binary notation. They will also create multimedia assets including bitmap and vector graphics, audio and video clips. This unit encourages students to create an image, such as a Meme and a Podcast/ Vodcast, which will allow them to make a statement about their interests.	In this unit, students will use HTML in Notepad++ to code an informative website about networks and data transmission. They will also learn about and participate in online collaboration. Nearly all elements of our world are accessed via the internet, from streaming movies, to social media. HTML is the computing language of the internet. Learning this language will give students the opportunity to create and express themselves on the internet.	In this unit, students will be introduced to algorithms and programming concepts through Scratch. Scratch is a block based coding program which is designed to introduce students to the progresses required for more advanced coding, such as scratch. At the end of the year students from the Primary School come to class and are taught Scratch by the Year 8 students.
<b>Unit Duration</b> Weeks 1 - 10 (10 weeks)	<b>Unit Duration</b> Weeks 11 - 20 (10 weeks)	<b>Unit Duration</b> Weeks 21 - 30 (10 weeks)	<b>Unit Duration</b> Weeks 31 - 39 (9 weeks)
<b>Assessment Task/s</b>	<b>Assessment Task/s</b>	<b>Assessment Task/s</b>	<b>Assessment Task/s</b>
<p><b>DIG 08.01.01</b> <b>Supervised Project</b> <i>Technique:</i> Digital Project <i>Mode:</i> Written + ICT Digital Solution <i>Conditions:</i> Supervised, individual, 3 weeks classtime</p> <p><i>Issued:</i> Week 7 <i>Due:</i> Week 9</p>	<p><b>DIG 08.02.01</b> <b>Collection of Work</b> <i>Technique:</i> Digital Folio <i>Mode:</i> Written + ICT Digital Solution <i>Conditions:</i> Supervised, individual, 4 weeks class time + own time</p> <p><i>Issued:</i> Week 16 <i>Due:</i> Week 19</p>	<p><b>DIG 08.03.01</b> <b>Design Project</b> <i>Technique:</i> Digital Project <i>Mode:</i> Written + ICT Digital Solution <i>Conditions:</i> Supervised, individual, 4 weeks class time + own time</p> <p><i>Issued:</i> Week 26 <i>Due:</i> Week 29</p>	<p><b>DIG 08.04.01</b> <b>Collection of work</b> <i>Technique:</i> Digital Folio <i>Mode:</i> Written + ICT Digital Solution <i>Conditions:</i> Supervised, individual, 4 weeks class time + own time</p> <p><i>Issued:</i> Week 36 <i>Due:</i> Week 39</p>