

# BRACKEN RIDGE STATE HIGH SCHOOL

## 9 DIGITAL TECHNOLOGIES

### Overview

TERM ALLOCATION AND LENGTH	UNIT	SUB TOPICS	ASSESSMENT
Term 1 – 10 weeks	<b>Documents &amp; Data</b> <b>Algorithms &amp; Programming I</b>	<ul style="list-style-type: none"> <li>Data, data structures, compression, privacy and security</li> <li>Document Production and Processes with MS Excel</li> <li>Introduction to Programming with Visual Studio</li> <li>Computational Thinking</li> </ul>	<ul style="list-style-type: none"> <li>Supervised Exam (70 mins)</li> </ul>
Term 2 – 11 weeks	<b>Algorithms &amp; Programming II</b> <b>Good Game Review</b>	<ul style="list-style-type: none"> <li>Advanced Programming with Visual Studio</li> <li>Analysis of Video Game Review Genre</li> <li>Computational Thinking</li> </ul>	<ul style="list-style-type: none"> <li>Product - Visual Studio Program (6 weeks)</li> <li>ERT - Good Game Review Presentation (5 weeks)</li> </ul>
Term 3 – 10 weeks	<b>Intelligent Systems</b>	<ul style="list-style-type: none"> <li>Programming with Lego NXT Robots</li> <li>Computational Thinking</li> </ul>	<ul style="list-style-type: none"> <li>Formative in-class tasks</li> <li>Product – Automated Mini Golf Course (4 weeks)</li> </ul>
Term 4 – 10 weeks	<b>User Experiences</b> <b>Genius Project</b>	<ul style="list-style-type: none"> <li>Graphical Design Processes with Tiled Map Editor</li> <li>Various Technologies</li> <li>Online Collaboration</li> <li>Computational Thinking</li> </ul>	<ul style="list-style-type: none"> <li>Supervised Exam (70 mins)</li> <li>Product - Minor Project (4 weeks)</li> </ul>

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