## Industry Related Manufacturing Technology

## Focus Area: Multimedia Technologies (Preliminary)

Students learn about:	Students learn to:
<ul> <li>appropriate software relevant to the project in the areas of: <ul> <li>authoring</li> <li>publishing</li> <li>sound creation/capture/editing</li> <li>image creation/capture/editing</li> <li>video creation/capture/editing</li> <li>text creation/capture/editing</li> <li>animation creation/capture/editing</li> <li>2D/3D drawing</li> <li>web page design</li> </ul> </li> </ul>	<ul> <li>investigate and use a range of software tools and techniques used in the development and publishing of websites</li> </ul>
Multimedia design in relation to: • storyboarding – types: - linear - non-linear - hierarchical - composite – applications	<ul> <li>identify and use planning processes related to a range of multimedia presentations</li> <li>investigate and discuss the processes of</li> </ul>
<ul> <li>image creation/editing/conversion</li> <li>bitmap</li> <li>vector</li> <li>scanning</li> <li>formats</li> <li>compression</li> </ul>	<ul> <li>obtaining, creating and modifying images, sound and text</li> <li>produce and manipulate digital images</li> </ul>
<ul> <li>sound creation/editing</li> <li>wave</li> <li>MIDI</li> <li>podcasts</li> </ul>	<ul> <li>plan and develop an audio podcast</li> </ul>
<ul> <li>compression formats/codecs</li> <li>video and still cameras</li> <li>operation</li> </ul>	<ul> <li>use presentation techniques and strategies in multimedia</li> <li>author a multimedia product</li> </ul>
<ul> <li>lighting</li> <li>angles/composition</li> <li>data integration</li> </ul>	<ul> <li>apply principles of design in the planning and production of multimedia presentations</li> </ul>
<ul> <li>OHS         <ul> <li>workplace procedures</li> <li>safe handling of equipment</li> <li>risk identification and hazard reduction strategies</li> </ul> </li> </ul>	<ul> <li>recognise workplace health and safety procedures</li> <li>safely use computing equipment and associated materials</li> </ul>