



Stage 5 Graphics Technology

Core modules: Units of work

Unit title	Sun smart buzz off
Unit indicative time	8 weeks (20 hours)
Unit outcomes	5.1.1; 5.1.2; 5.2.1; 5.2.2; 5.3.1; 5.3.2 ;5.4.1; 5.5.1; 5.6.2
Unit context	Students are required to use a design process to develop a name, logo and package for a new personal combination sunscreen insect repellent. They are required to research existing solutions and consider environmental and social issues, particularly in relation to exposure to the sun and recycling of product packages.
Student's prior learning	Students have used skills in freehand sketching and with grid paper to produce development (nets) of simple geometric shapes. Students have used <i>proDesktop</i> to produce 3D models of simple shapes with various face and edge treatments.
Teaching and learning activities	<p>Students are given maximum dimensions for both the container and the package.</p> <p>Investigate the names and packaging of at least three different existing products of similar size. Make notes of the results of this research including sketches.</p> <p>Using research and considering the specifications develop ideas to reach a solution for both the container and package and the name using two and three-dimensional sketches.</p> <p>Produce to scale, using instruments, a surface development of the selected package including tabs.</p> <p>Produce a 3D model of the container using <i>proDesktop</i>.</p> <p>The final presentation is to include:</p> <ol style="list-style-type: none">1. An assembled rendered package containing on two faces:<ul style="list-style-type: none">– product name and logo– barcode (layout only not detailed)– UV and repellent information.2. A rendered 3D <i>proDesktop</i> print out of the container showing:<ul style="list-style-type: none">– product name and logo on one face– container and label of different colours.3. An evaluation of the name, container and package including reasons for colour selection.4. Analysis of research into environmental and social issues. <p>Correct work practices and OHS are discussed throughout the unit.</p>
Resources	<ul style="list-style-type: none">• Teacher developed worksheets to support skills required of students to complete the unit of work.• Text books.• Existing products and packages.• Use of colour, colour wheel contrast and harmony.• Access to computers and computer applications such as <i>Word</i> particularly <i>Word</i> art and draw.
Assessment	<ul style="list-style-type: none">• Documentation of design principles and how they influenced the development of the name, container and package.• An accurate surface development and a completed 3D <i>proDesktop</i> rendered drawing is presented.• The final presentation is of high quality.