



Kolbe Catholic College

Courage Faith Excellence

Year 12 1A Applied Information Technology

Week	Learning Focus	Assessment	Resources
Term 1	<ul style="list-style-type: none"> - Hardware components and functions - Common peripheral devices and its uses - Applications and systems software - Differentiation between operating and application software - Simple care of a computer system 		
Wk 1			
Wk 2	<ul style="list-style-type: none"> - Locate suitable places to purchase a computer system and components for personal use - Plan, conduct research and communicate investigation - Create focus question <p>Research Task: Plan, conduct and communication an investigation. Form a focus question to guide research into features and benefits of building your own computer. What can be gained from building a computer in terms of overall costing and what can be accomplished? Use a variety of sources to gather your research. Communicate the results with other members in the class to develop an informed decision.</p>	<p>Task 1 <i>Investigation</i> Weighting: 10 – 20% Due: Week 4</p>	
Wk 3/4	<ul style="list-style-type: none"> - Use a variety of sources to gather research - Construct report detailing research - Communicate with other students results researched for Task 1 	<p>Task 1 Due EOW 4</p>	
Wk 5	<ul style="list-style-type: none"> - The nature, forms and transfer of digital data - Use of basic formatting functions to enhance the appeal of the design - Common file formats <p>Production Task: Explore ideas and control the processes required to manage the quality of production. Manage a range of production processes, evaluating and modifying them as necessary. Learn basic identification of the components of a computer system and common peripheral devices. Take simple care of a computer system, removal and locate suitable places to purchase a computer system and components for personal use.</p>	<p>Task 2 <i>Production/ performance</i> Weighting: 60 -70% Due: Week 7</p>	
Wk 6	<ul style="list-style-type: none"> - Simple data organisation methods - Location of information using simple search strategies 		
Wk 7	<ul style="list-style-type: none"> - Identification that information products are for a purpose and an intended audience - Introduction to simple information design principles - Use of pre-defined criteria to evaluate the effectiveness of the design and output 	<p>Task 2 Due EOW</p>	
Wk 8	<ul style="list-style-type: none"> - The impact of ICT on individuals, communities, and environments - Occupational safety and health issues relating to the use of computers - Responsibilities of ICT users to maintain privacy of information 		
Wk 9	<ul style="list-style-type: none"> - Identification of new developments in ICT for personal use - Impact of new ICT developments on users 		
Wk 10	<ul style="list-style-type: none"> - Identification of skill ICT requirements and responsibilities for work - Basic identification of pathways available for ICT careers - Identification of legislation that impacts on the user in a personal context - Ergonomic practices for ICT users such as correct posture - Identification of environmental factors that affect ICT users 		



Kolbe Catholic College

Courage Faith Excellence

Year 12 1A Applied Information Technology

Week	Learning Focus	Assessment	Resources
Term 2	<ul style="list-style-type: none"> - Simple techniques for representing design solutions 		
Wk 1	<ul style="list-style-type: none"> - Brainstorms and annotated diagrams - Basic technology skills required to use equipment safely 		
Wk 2	<ul style="list-style-type: none"> - Review occupational health and safety - Develop documents for relevant people <p>Task 3: Apply knowledge and skills in analyzing and responding to a series of questions for Occupational Health and Safety issues relating to the use of computers. Develop documents for relevant people in relation to analysis and evaluation of OHS. Learn and take responsibilities of ICT users and maintain privacy of information. Become aware of legislation that impacts on the user in a personal context and ergonomic practices for ICT users, such as correct posture and environmental factors that affect ICT users.</p>	<p>Task 3 Response Weighting: 10 – 20% Due: Week 5 EOW</p>	
Wk 3	<ul style="list-style-type: none"> - Maintain privacy of information 		
Wk 4	<ul style="list-style-type: none"> - Research into career opportunities within the ICT field - Research into legislation that impacts on the user in a personal context and ergonomic practice for ICT users 		
Wk 5	Complete Task 3	Task 3 Due	
Wk 6	<p>Apply understanding and skills in Applied Information Technology to analyze, interpret, solve problems and answer questions in test settings. You are required to use technical terminology, apply knowledge and application of AIT skills. Types of questions will include multiple choice, short answer, extended answer and production.</p> <p>Digital Photography</p> <ul style="list-style-type: none"> - Camera software compatibility with hardware system is assessed and the appropriate software is selected for the job - Pixel resolution of the camera is matched to the required quality and resolution of outcome - The RAM capacity of the camera is checked to be appropriate to the number of images required to be captured - Shutter speed, focal lengths and camera feature modes are assessed suitable for the quality and use of photographic images required 	<p>Task 4 Test Weighting: 10%</p>	Camera Techniques
Wk 7	<ul style="list-style-type: none"> - Lithium batteries are handled and stored according to OHS requirements - Camera is set up for image composition according to job specifications - Lighting is arranged according to job specifications - Light intensity is set for the correct exposure 	<p>Short weekly task - imovie</p>	Camera Techniques
Wk 8	<ul style="list-style-type: none"> - Tone curves are adjusted according to job specifications - The neutral balance of the image is arranged and adjusted - Adjustments to image composition and exposure are made 	<p>Short weekly task - Adobe Bridge</p>	Camera Techniques
Wk 9	<ul style="list-style-type: none"> - The digital camera is loaded and operated according to manufacturer's specifications appropriate to the quality of image to be photographed - The computer card interface/ disk is uploaded onto the relevant computer and the image saved on hard disk - Photographic image files are created and stored on the computer according to software procedures - Photographic images are enhanced, cropped and altered electronically to deliver the required image - Photographic images are checked for fitness of purpose and conformance to the job brief - Photographic images are assessed fit for the relevant delivery mode and delivered appropriately 	<p>Short weekly task - iPhoto</p>	
Wk 10	Complete competencies not completed / Revise	Assessment Review	