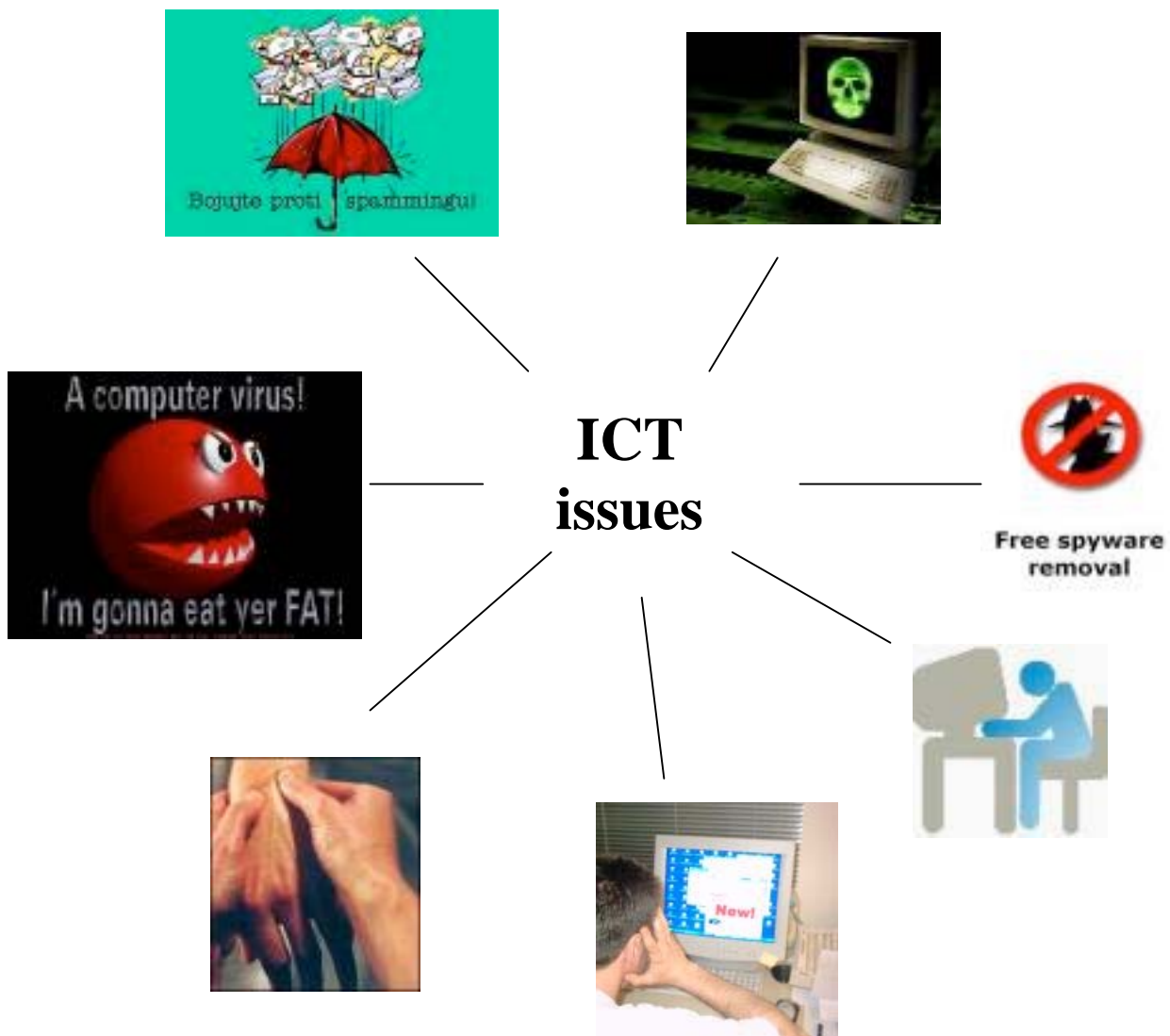




Presentation on a topical ICT issue

Introduction

OOS, SPAM, virus attacks, pop ups, adware, malware, malicious e-mails, e-Crime. All these are issues affecting the ICT community. People's understanding of these issues is often very limited. There is an opportunity to develop a technological solution that informs people about these issues.



Your task

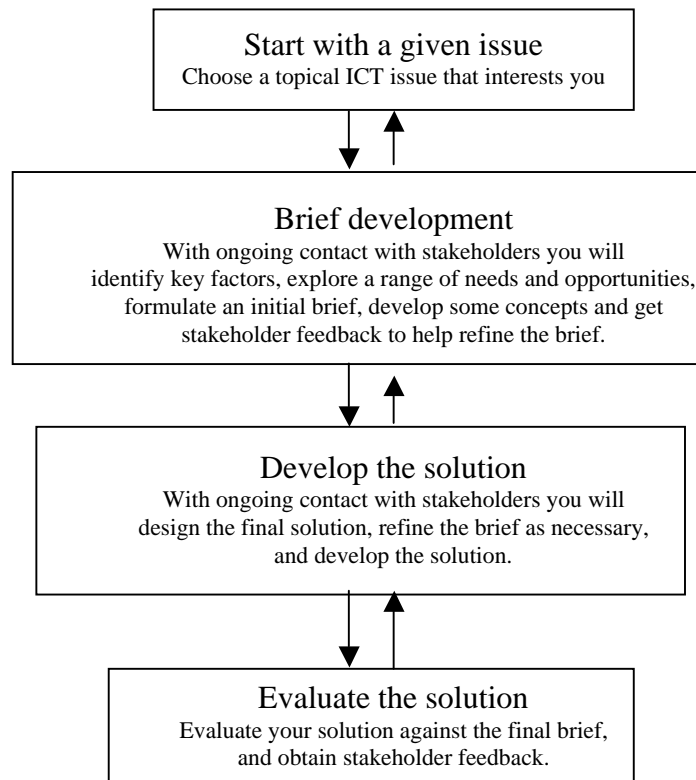
Choose one of these issues or choose your own topical ICT issue. Then prepare a kiosk presentation about this issue for an identified target audience.

What to cover in the presentation

You are expected to identify a target audience for the presentation. The presentation should be pitched at a level appropriate for this audience. However you must provide a thoroughly researched in-depth coverage of your chosen topic. In addition to technical facts about your chosen topic you must cover societal factors. The presentation must provide an in-depth coverage of both the effects on society of the chosen topic and how society has influenced developments related to the chosen topic.

The process

You are expected to follow a logical process starting with the issue and finishing with an evaluation of your solution. The process can be summarised as follows:



Technological practice

As you work through this process you are expected to use good technological practice. This means you should use what you learnt in the 'What is technological practice?' handout. You should also refer to the attached assessment schedule which gives more detail of what is expected at each stage.

As the year progresses you will be expected to work out what needs doing yourself, but for this project we will give you some guidance of how to approach the project. The following points need to be considered. Remember that technological practice is not a step-by-step linear process so you don't just start at the top of the list and work down!

- **Problem definition**

What is the issue you are addressing, and exactly what is the problem.

- **Planning**

Create an initial plan. Consider using iCal or a Gantt chart or a flow chart. Clearly identify key stages and the expected time involved. You should keep reviewing your planning as you go and adjust it as necessary.

- **Stakeholders**
What is the target audience? Are there any other stakeholders? Plan what you need to ask stakeholders. You will need to keep coming back to consult your stakeholders throughout the project.
- **Identifying key factors**
The next stage is to identify key factors related to the issue. Remember key factors are those things that must be taken into account if your solution is going to be successful - if you do not take these things into account your solution will fail.
- **Identifying and screening possible needs and/or opportunities**
The next stage is to think of possible ways of solving the problem - these are called needs or opportunities, examples might be: to produce a video to explain the chosen issue; or create a PowerPoint presentation on the issue; or a HyperCard stack etc. From your list of possible needs and/or opportunities use a technique such as screening to identify one need or opportunity for further development.
- **Formulating an initial Brief**
The next stage is to prepare an initial brief. The brief should have a conceptual statement followed by specifications. Your brief should be based on the key factors and your initial stakeholder consultation.
- **Analyse other technologist's outcomes**
An important step before you start on the development of your solution is to see what others have done. Modification of existing ideas is a great way for a technologist to work. Analyse the presentations provided in the year 10 data files or find examples yourself. As part of your analysis you could consider how the technologist has used the design principles of alignment, consistency, proximity, contrast, and KIS.
- **Concept development**
Develop some concept designs in your visual diary. Evaluate the different concepts (ideally with stakeholder feedback) and choose one concept for further development. Create a final solution design and explain how you considered the design principles of alignment, consistency, proximity, contrast, and KIS.
- **Refining the brief**
As you start to develop the solution you should refine the brief as necessary.
- **Developing the solution**
Create your technological solution.
- **Evaluation**
Evaluate the solution against the brief and obtain stakeholder feedback.

Skills

Your presentation is expected to showcase the skills you have learnt in this unit:

- Kiosk PowerPoint skills including using buttons for navigation, adjusting slide colour schemes, transitions, adding pictures and animations to slides
- Fireworks skills including adjusting bitmap images, cropping, masking, text effects. To get the best grade for your presentation you will be expected to use a range of advanced skills in a way that enhances the quality of your solution.

Assessment

You will be assessed on your final solution and the process you followed to reach that solution. You should think about ways to present this evidence and try not to just type everything in a word processor. You will get a 1-5 grade for each of the following aspects

- Quality of the final solution
- Technological practice (each of the three components of practice)
- Technological knowledge
- Technology and society

Assessment schedule

Quality of the final solution	
Grade	Criteria
5	Meets all the requirements of the brief, shows evidence all five design principles have been considered, and shows evidence of how the use of a range of advanced techniques has enhanced the quality of the solution
4	Meets all the requirements of the brief, shows evidence all five design principles have been considered and shows evidence of how the use of an advanced technique has enhanced the quality of the solution
3	Meets the main requirements of the brief and shows some of the design principles have been considered.
2	Meets some requirements of the brief
1	Unfinished or doesn't address the brief

Brief development	
Grade	Criteria
5	Identify a need or opportunity. Develop a brief consisting of a conceptual statement plus specifications that are justified in terms of the issue. Undertake brief refinement based on key stakeholder feedback.
4	Identify a need or opportunity. Develop a brief consisting of a conceptual statement plus specifications. Brief is comprehensive and will address the chosen topic.
3	Identify a need or opportunity. Develop a brief consisting of a conceptual statement plus specifications
2	A need or opportunity is identified and a brief is developed but it is poor quality.
1	Limited understanding of brief development

Planning for practice	
Grade	Criteria
5	Analyse your previous practice to identify implications for current practice. Use planning tools to support, document and justify ongoing planning decisions. Select and manage all resources required for completion of the outcome
4	Analyse your previous practice to identify implications for current practice. Use planning tools to support and document ongoing planning decisions. Select all resources required for completion of the outcome
3	Use planning tools to support planning decisions. Select all resources required for completion of the outcome
2	Planning is carried out but it is superficial.
1	Limited understanding of planning for practice.

Outcome development and evaluation	
Grade	Criteria
5	Carry out critical analysis of your own previous outcomes and the outcomes of others to inform the current outcome development. Develop (through research and consultation with stakeholders) conceptual ideas that communicate feasible outcomes that are justifiable in terms of the brief. Develop the outcome with ongoing evaluation and refinement through the development process. Determine suitable resources to enable the development of the outcome.
4	Carry out critical analysis of your own previous outcomes to inform the current outcome development. Develop (through research and consultation with stakeholders) conceptual ideas that communicate feasible outcomes that are justifiable in terms of the brief. Develop the outcome with ongoing evaluation and refinement through the development process. Determine suitable resources to enable the development of the outcome.
3	Develop (through research and consultation with stakeholders) conceptual ideas that communicate feasible outcomes. Develop the outcome with ongoing evaluation and refinement through the development process. Determine suitable resources to enable the development of the outcome.
2	An outcome is developed and evaluated but work is superficial
1	Limited understanding of outcome development and evaluation

Technological knowledge	
Grade	Criteria
5	Thoroughly researched in-depth coverage of chosen topic plus evidence of knowledge of all five of the design principles covered.
4	Good coverage of chosen topic plus evidence of knowledge of all five of the design principles
3	Adequate coverage of chosen topic plus evidence of knowledge of some of the design principles
2	Superficial coverage of chosen topic
1	Limited evidence of knowledge

Technology and society	
Grade	Criteria
5	In-depth coverage of both the effects on society of the chosen topic and how society has influenced developments related to the chosen topic.
4	Coverage of both the effects on society of the chosen topic and how society has influenced developments related to the chosen topic.
3	Adequate coverage of either the effects on society of the chosen topic and how society has influenced developments related to the chosen topic.
2	Superficial coverage of societal aspects related to the topic
1	Limited evidence of societal aspects