

Website Project

Introduction

In this project you are expected to apply the skills and knowledge you have learned throughout this year. You will be given some guidance and deadlines but other than that you are expected to work out yourself what needs doing and in what order.

Although the quality of the final website is important the process of how you got there is also important. You must use good technological practice as you create the website. You should collect evidence that shows how you developed your solution. You will hand in a finished website and your visual diary showing evidence of your practice.

The nature of technology

Part of being a good technologist is having an understanding of the nature of technology. This means you should know more about technology than just what you need to know to build your solution. For this project you will be researching the development of the modern computer. During your research you will need to ask yourself some of the following questions:

How did major world events such as these influence the developemnt of the modern computer?



What might computers look like in the future?



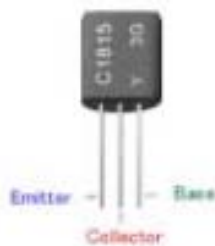
What did these machines (which are in fact early computers) have to do with the development of the modern computer?



Who are these people who played a leading role in the development of the modern computer and what was their contribution?



What were some of the technological advances that led to the modern computer?



Your task

You are to research the development of the modern computer, and then plan and develop a website to present your findings. Assume that the website could be placed on a school's intranet (or potentially on the Internet) and that the target audience is year 10 students.

Technological practice does not always involve formulating the brief - sometimes this has already been done and your job is to produce a solution that will meet the requirements of the brief. For this task you will start with a given brief.

The brief

Produce a website to inform year 10 students about the development of the modern computer. *Specifications:*



Site structure

- Site has a home page and at least six other pages
- Navigation is easy to use, all pages are linked, and all links work
- Site has links from both text & images, and uses anchors
- At least one link to a relevant external site (that opens in a new browser window)
- At least two other structural elements (eg tables, lists, horizontal rules) are used in a way that enhances the site

Knowledge of the topic

- At least two famous people who were influential in the development of the modern computer are profiled and their contribution explained
- At least two technological advances that were influential in the development of the modern computer are described
- At least two famous early computing machines are described (including why they were influential in the development of the modern computer)
- At least two predictions regarding the future development of the computer

Societal factors

- At least three impacts of the computer on society are described
- At least three ways in which society has influenced the development of the computer are described

Images

- Site has at least six images that illustrate aspects of the topic in a meaningful way
- All images have been prepared in Fireworks and are optimized for the web

Presentation

- Website complies with the five basic web design principles
- Website complies with the hints for web design checklist
- Language is appropriate for target audience
- Site contains no glaring spelling mistakes or other errors

Other

- Site complies with copyright legislation



How to start

We are deliberately not giving you step by step instructions for this project. You are expected to work out what needs doing and in what order you should do things. However there are some resources that you should refer to that will help you out.

- The assessment schedule
- Your term one and two project instruction sheets
- The handout 'What is technological practice'.

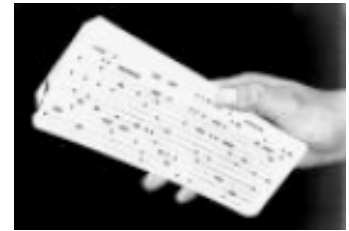
You must remember that the process you follow to develop your solution is as important as the solution itself. You should use your visual diary for your planning, research, and concept development.

Assessment

You will be assessed on your website and the process you followed to develop that website.

You will get a 1-5 grade for each of the following aspects

- Quality of the final website
- Technological knowledge
- Technology and society
- Planning for practice
- Outcome development and evaluation



Assessment schedule

Quality of the final website	
Grade	Criteria
5	Meets all the requirements of the brief, shows evidence all five web 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 (eg animated gif, advanced Fireworks, advanced Dreamweaver)
4	Meets most of the requirements of the brief, shows evidence most of the web 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 web design principles have been considered.
2	Meets some requirements of the brief
1	Unfinished or doesn't address the brief

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

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

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 or 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.
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

