

Criterion D: Product design

Overall structure

The following sitemap shows the overall structure of the Digiteen Compass website that was approved by Mrs Akmed. It is designed so that Mrs Akmed will be able to maintain the site.

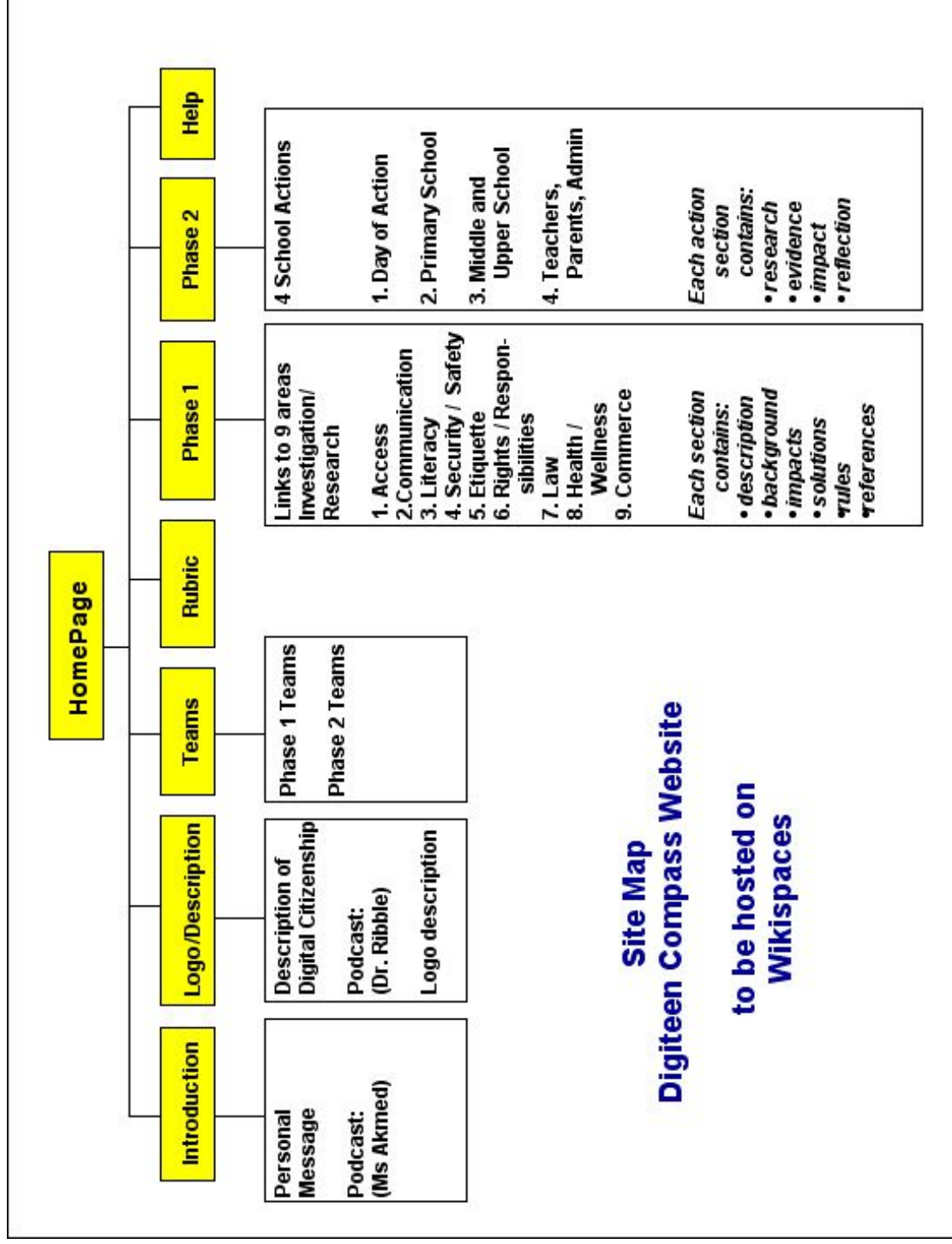
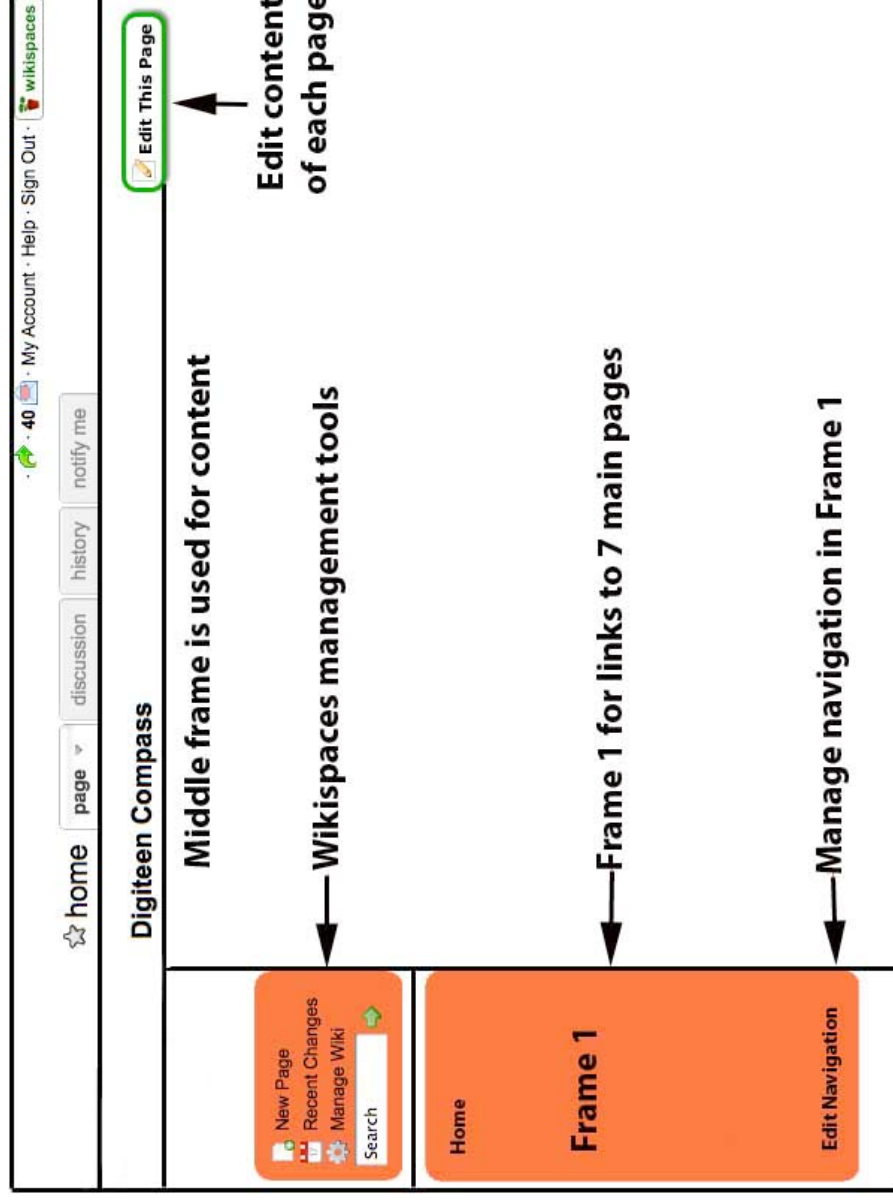


Figure 1

Internal structure

The 7 main headings in Figure 1 (yellow boxes) are displayed in the Left Frame and on the Home page (see Figure 2).

The content consists of text, images, video, podcast, links to other pages or websites, or links to files.



There are 7 main headings in Figure 1:

- **Introduction** – text, links and podcast used to introduce the website. Content: description (source Ms. Akmed).; original podcast of Ms Akmed introducing the project (edited by me in Audacity).
- **Description of Digital Citizenship** – text description and Podcast from Dr. Ribble (website Speed of Creativity); Logo created using Adobe Illustrator
- **Teams** – text listing for both Phase 1 and Phase 2 formulated using Excel so that one member from each member on one of the 9 teams in Phase 1 is on the 4 teams for Phase 2. Content: 45 students' names (source Ms Akmed) and anonymize and systematically organize the names on the two teams using mathematical functions in Excel.
- **Rubric** (source Ms. Akmed) text for how marks will be awarded.
 - **Phase 1** (title in orange text) provides a page for each of the 9 teams to collaborate and contribute their investigation and research. A template will be created to insure consistency on all of the pages. The structure of the pages for investigation and research (source Ms. Akmed).
 - **Introductory text associated with the Digital Citizenship Principle (I will create this from the Digital Citizenship website)**

The following will be investigated/researched by the Grade 8 students and include text, images, video, podcast, links to other pages or websites, or links to files:

Description/Overview

Background and Examples

Social and/or Ethical Impacts

Solutions

Rules to be added to Student Agreement for Digital Citizenship

Reference

- **Phase 2** (title in blue text) 4 school actions that will be taken after the investigation and research is completed. Template will be created to ensure consistency. The four areas of action are indicated in Figure 1. The structure of each of the school action pages (source Ms. Akmed).
- **The following will be completed by the teams of students describing the school action they undertook. Each will consist of text, images, video, podcast, links to other pages or websites, or links to files**

Research and Description of the Action

Evidence from the Action

Impact of the Action

Reflection about the Action and the Digiteen Project

- **Help** – text and annotated images. Topics: how to use a wiki, netiquette, eReference, citing sources, video and podcasts, and using the scripting language Wikitext. Other topics will be added as needed.

List of resources and techniques

Resources	Details
Excel	Functions to anonymize the students names and to create the teams for both phases
Garageband	Create Mrs. Akmed's podcast introduction
Adobe Photoshop	Used to create the logo for the website
Websites	http://www.speedofcreativity.org/2006/03/17/podcast41-digital-citizenship/
	http://www.digitalcitizenship.net/
	http://coe.ksu.edu/digitalteach/DCSec.htm# http://www.molsci.csiro.au/library/gifs/compass.gif

Techniques	Details
Create and use templates	To create a consistent format for the website. A template will be created for Phase 1: Investigation and Research and another template for Phase 2: School Actions
Use of Wikitext	To customize webpages and increase functionality
Use of functions and features in Excel (ie. CONCAT, RIGHT and sort)	To anonymize names of students and to use the sort function to systematically assign students to two the Phase 1 and Phase 2 team

Recording and linking podcast to the website	Garageband is used to create the multi-track podcast with music and sound. The podcast will be linked to the introduction.
Embedded code for YouTube widgets	To display a video from YouTube on a webpage.
Using Photoshop to create a logo for the website	A logo will be created so that students can use it as a symbol throughout the project including school actions.

Test plan

Test item	Test data	Part of system tested	Expected outcome	Actual outcome	Comments	Ref in product
Cover page testing – REQUIRED ELEMENT FOR CRITERION G						
The Digiteen website is accessible from the cover page	Link to the website digiteencompass.wikispaces.com	Link on the cover page	Links function as planned	Yes		
Links to the documents on the cover page open the correct document	Links for the project documents	Links provide access to the pages for the criteria	Links function as planned	Yes		
Product testing						

Podcasts and videos play when clicked	Links on the pages result in the correct action	Hyperlinks	Links function as planned	Yes	
Navigation on the pages and between pages	Links in the left frame and on individual pages link to the correct page	Hyperlinks	Links function as planned	Yes	
Anonymized names using Excel	Student names should appear as first name with the last initial on all team lists	Excel functions CONCAT and RITGHT	Names appear correctly	Yes	
Assignment of students to teams using Excel	Each student's name should appear on one team in Phase 1 and one team in Phase 2. All teams in Phase 2 should have one member from each team in Phase 1.	Assigning labels and use of Excel sort	Check teams to see if Phase 2 teams are represented by the 9 areas in Phase 1	Yes	
Templates	Templates function correctly to create Phase 1 and Phase 2 pages	Templates	Check the consistency of fonts and layout for all Phase 1 and Phase 2 webpages	Yes	

Agreement of client

I confirm that the requirement specification meets my needs and the designs above are appropriate for the creation of the product.

Mrs Haley Ahmed

(Client)