

## **Research, Experimentation & Testing**

### **Research**

To start off with I downloaded the current [REDACTED] High School website. The site lacked design, information and was out of date. I looked around at other school websites to see what information they had and also the designs they used. The majority had a simple basic layout and were not much better than the current [REDACTED] High School website. Once I worked out what I wanted I downloaded some tutorials on how to do things such as write PHP Codes, use Javascript and CSS Style sheets.

*(Tutorials are included in the following pages)*

### **Experimentation** *(each of these are documented in the following pages.)*

I experimented with different:

- Different colour schemes were tested to determine the best looking for use on the site.
- Different fonts were used on the site to determine which one fitted best with the layout and was also easy to read.
- Tests were done to determine the most suitable lettering for the [REDACTED] High School' logo.
- A variety of servers (web hosts) were used to determine which one was best to host the site on.

### **Consultation of experts in the various fields**

Experts in various fields have been consulted. These include:

1. **PHP Scripters** were generous enough to assist me in the writing of my guestbook.

## **Experimenting & Testing**

### **Test #1**

#### **Aim:-**

To experiment with different colour schemes to determine the best ones to use on the website.

#### **Method:-**

- Macromedia Dreamweaver will be used as it is quicker than writing out all the colour codes in the HTML.
- All colour schemes will be tested on the one layout to ensure equality.
- Different colours will be used together

#### **Results:-**

<b>Colours</b>	<b>Observations</b>
Black & white	Hard on the eyes, looked too simple, not very aesthetically pleasing.
Different shades of blue	Looked good but it would have been hard to fit all the content of the site with these colours
Different shades of grey	Looks good but also a little hard on the eyes.
White and grey	Looks good, colour contrast each others.
Black and blue	Also looks good, but I do not want a dark colour scheme for the site

#### **Conclusion:-**

- Different shades of grey, white and grey, and black, white & grey looked the best so all three will be tried out of the main design.

## Experimenting & Testing

### Test #2

#### **Aim:-**

To experiment with different fonts and see which one would go best with the site and was easy to read.

#### **Method:-**

- Write a few lines of text and try out different fonts with it.

#### **Results:-**

Font	Observations
Times New Roman	Not as easy to read as the others, too spaced out, looks old fashioned
Verdana	Looked good at all sizes tried. Easy to read.
Tahoma	Same as above
Arial	Too condensed

#### **Conclusion:-**

- Tahoma and verdana looked the best and were easy to read. A combination of both will be used on the site and are also used in this folio.

## **Experimenting & Testing**

### **Test #3**

#### **Aim:-**

To determine the most suitable lettering for the [REDACTED] High School' website.

#### **Method:-**

- Macromedia Fireworks will be used to make the logos.
- Variety of different fonts will be used to determine which is most suitable for the website.

#### **Results:-**

Font	Observations
Planet Kosmos	Looked good at almost all sizes.
Arial	Too plain.
Westside	Hard to read, doesn't really fit the image of the site.
Writers	Same as above
Just Another Font	Doesn't look professional

#### **Conclusion:-**

- Planet Kosmos looked the best so it will be used.

## **Experimenting & Testing**

### **Test #4**

#### **Aim:-**

To experiment the most suitable web host to host the site on.

#### **Method:-**

- Sign up for a variety of free web hosts.
- Test to see if PHP works on the server by uploading a phpinfo.php file which test to see if PHP is installed.
- Test the speed by uploading a file and then downloading it.
- Try accessing the host every day for one week to check the reliability of the host.

#### **Results:-**

<b>Server</b>	<b>PHP</b>	<b>Reliability</b>
Saburovo.com	Yes	Always working
Dk3.com	Yes	Always working
Mega.net.kg	Yes	Down for 4 days
Host.sk	Yes	Down at certain periods of the day

#### **Conclusion:-**

- Saburovo.com was the fastest, most reliable host that also supported PHP. Even though Dk3 proved to be a reliable host it had advertising.

# EVALUATION



## **Record and Application of Evaluation Procedures throughout the MDP**

### **Selection of suitable host**

- I went through many different hosts before I settled on one.
- Tests were done on each host

**Date achieved:** 3/4/2002

### **Determining which design to use as the final**

- It was a hard choice but my final decision was to keep the first site I made, albeit I made a few changes.
- This decision was based upon feedback I got from people who visited the site.

**Date achieved:** 15/6/2002

### **Determining which scripts to use on the site**

- The poll script used on the site is the first one I tried out. As I had no problems with it and it had all the features I needed I saw no need to try others.
- I went through a couple of guestbook scripts before finally deciding to write my own. This was done mainly because I wanted to learn PHP.

**Date achieved:** 21/3/2002, 8/7/2002

# HSC 2002 – Design and Technology

## Major Design Project

Band 4/5

Sample 2



PRODUCT



web site

- web site development shows a range of appropriate research methodologies, including experimentation and testing. Conclusions are drawn and clearly applied to the product.

CONTINUED OVER

# HSC 2002 – Design and Technology

## Major Design Project

Band 4/5

Sample 2

High School



NAVIGATION

Overview  
History  
Policies  
Uniform  
Fees  
Bell Times  
Free Hosting  
Links  
Contact  
Guestbook

SUB-NAVIGATION

Sub navigation from above menu will appear here:

ATTENDANCE POLICY

One of the main reasons for unsatisfactory school progress is irregular attendance. Parents are advised to see that their child attends both regularly and punctually.

To miss one day's work, especially if a new topic is being introduced by the teacher, very often means that the pupil never understands the work which follows and eventually falls further and further behind.

If the pupil must be absent it will assist you if you can let the school administrative staff know. The phone number is [REDACTED] or [REDACTED]. On the day of return of the child, he or she must bring a note from the parent indicating the days absent and the reason for absence.

Post compulsory students (those over 15) must maintain at least 95% attendance to satisfy requirements for award of a School Certificate, Preliminary H.S.C and H.S.C.

ROLL

New Site Is?

☐ Excellent  
☐ Good  
☐ Average  
☐ Bad  
☐ Pathetic

Vote!  
Results

HOSTING LOGIN

User:  
Pass:  
Submit

SCROLL UP ▲ SCROLL DOWN ▼

High School



NAVIGATION

Overview  
History  
Policies  
Uniform  
Fees  
Bell Times  
Free Hosting  
Links  
Contact  
Guestbook

SUB-NAVIGATION

Sub navigation from above menu will appear here:

BELL TIMES – THE TIMES YOU HAVE TO BE AT SCHOOL AND IN CLASS

We here at [REDACTED] High School expect all students to be at school and in class on time. Only students in Yr 11 and 12 are to attend 0 and 00 periods.

	Monday	Tuesday	Wed/Thurs/Fri
Assembly	8.45 0	7.30 0	7.30
RC	8.55 00	8.07-8.40 00	8.07-8.40
1	9.00	Community 8.45	Community 8.45
2	9.37	RC 8.55	RC 9.00
Recess	10.15 1	9.00 1	9.03
3	10.30 2	9.37 2	9.42
4	11.07	Recess 10.15	Recess 10.20
5	11.45 3	10.30 3	10.35
Lunch 1	12.22 4	11.09 4	11.13
Lunch 2	12.47 5	11.45 5	11.50
6	1.12	Lunch 1 12.20	6 12.28
7	1.49	Lunch 2 12.40	Lunch 1 1.03
Home	2.23 6	1.00	Lunch 2 1.23
Detention	3.00 7	1.43 7	1.45
		Home 2.25	8 2.23
		Detention 3.00	Home 3.00

ROLL

New Site Is?

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SCROLL UP ▲ SCROLL DOWN ▼

CONTINUED OVER ▼

# HSC 2002 – Design and Technology

## Major Design Project

Band 4/5

Sample 2

