****Year 8

**Digital Technology: TOPIC GUIDE**

2016

1. **Web Development & Computer Graphics**

Designing and developing a web site in HTML and then using Adobe products to create a portfolio of ICT notes as a website. Investigating Raster and Vector images.

1. **Data Analysis**

Using Data provided regarding IT Issues, students develop Spreadsheets to create graphs.

1. **Multimedia & Computer Hardware**

Creating an interactive multimedia presentation where all hardware components are animated to show how data is transferred.

1. **Programming**

* Algorithms
* Small Basic

|  |  |  |
| --- | --- | --- |
| WEEK | TOPICS | ASSESSMENT |
| 1 | How to Research using Technology  Hardware/Software/Networking Notes |  |
| 2 | Data Types  Computer Graphics  Using Photoshop VS PowerPoint (Vector/Raster) | Progress  HW (collecting data) /5  Word Notes /5 |
| 3 | Photoshop & PowerPoint Diagrams – saving as JPGs into images folder | Progress  Diagrams /5 |
| 4 | Project: PowerPoint Interactive Multimedia “What is a Computer System”  Design the structure & and illustrate your animations on paper | Progress  Planning /5 |
| 5 | Transfer notes and present them as an interactive document with animation Developing your Presentation | Progress  Content /5  Presentation /5 |
| 6 | Complete Presentation | FINAL  Content /10  Animations /10  Links /10 |
| 7 | HTML – What is a web page / what is a website | Progress  Exercise /5 |
| 8 | Making our first HTML web site: home/questions/results/findings/infographic | Progress  Files /5  Links /5 |
| *Term 2* |  |  |
| 1 | Project TWO: Investigating Issues in Technology  Health, social, environmental etc… | Progress  Questions /5 |
| 2 | Create Survey Monkey Surveys and Collect Data from the class.  HW: Find supporting info online that explains your findings | Progress  Collected Data /5 |
| 3 | Data Analysis: Spreadsheets | Progress  HW Research /5  Spreadsheets /5 |
| 4 | Data Analysis: Spreadsheets – exporting a chart or graph | Progress  Graphics /5 |
| 5 | Complete Info graphic. Complete all research for website |  |
| 6 | Website is DUE | FINAL  Content /10  Structure /10 |
| 7 | Algorithms | Progress  Complete exercise /5 |
| 8 | Small Basic | Progress  SB /5 |
| 9 |  | FINAL TEST  /20 |
| 10 | TBA |  |