****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

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