Characteristics of the Students (Please make reference to EAL, SEN and Gifted and Talented Students)

Students have completed Y9 HTML/CSS programming. Range of results and abilities. All students can produce html pages, most can use CSS and 4/5 can modify simple JavaScript.

Resources including TA’s

No TA’s. Resources are all found in Moodle.

Learning Objectives (WALT – We are learning to…)

Extend programming skills by getting used to methods, syntax, adding new objects.

Prior Learning

Lesson 1.

Outcomes (WILF – What I’m looking for?)

Increasing familiarity with changing/editing code; better understanding of the “framework”.

Timing | Starter | Assessment
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5-10 | **Recall**: Applet, program, Class, method, data member. Pop quiz. Starting new Applet. **Outline** – today we do some sums. | Verbal

Timing | Main | Assessment
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30 | 10 – Students complete Moodle exercise on AddTwo Applet. 

10 – Testing – does it work – for all numbers, negative numbers, very large numbers, numbers with decimals?

10 – Students experiment with changing operations – SubTwo, MultTwo, AddThree etc. | Students to upload a modified Applet

Timing | Plenary | Assessment
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10 | Students log off; test understanding – arithmetic – integers, doubles, parsing, class, method, data member. | Verbal

Homework

Develop a worksheet/Fireworks app/drag/drop that allows students to test understanding on Class, method, and data member.