

Lesson Plan

Teacher:		Subject: ICT		Date:
Group:	Ability:	Boys:	Girls:	Exam Accreditation:
SEN:	EAL:	G & T:	FSM:	Support Staff:

Context for Learning

As part of the WJEC GCSE ICT controlled assessment, students are expected to create a spreadsheet to enable a club manager to work out who has the most points for different categories. The results of this are used to decide who receives the trophies at the club's presentation evening. In order to practice the skill required for the controlled assessment, students will take it in turns to complete Time Trials around a specified circuit using Mario Kart on the Nintendo Wii. The students will compile the raw data generated by the class and input these into a suitable spreadsheet. The students will then use basic and advanced skills to improve the look and functionality of the spreadsheet (This will be based on the assessment criteria for the controlled assessment).

Learning objectives (the intended learning)

- Use spreadsheet software to build a model

Learning Outcomes (how learning / progress will be demonstrated)

All	Will create a basic spreadsheet model to record the results of the Time Trials and Grand Prix.
Most	Will enhance the look of the spreadsheet by using basic and advanced formatting skills such as 'Fill Colour' and 'Conditional Formatting'.
Some	Will enhance functionality of the spreadsheet by using advanced skills such as 'Macros' and 'LOOKUP' tables.

- Literacy
- Numeracy
- ICT

- Peer/self assess
- AfL
- LSA

- SMCS
- ECM
- PLTS

	Timing	Student activity	Differentiation
Settling starter Learning starter	5 mins.	Students to load Mario_Starter.xls and find the hidden coins by typing in the correct formula.	ACCESS
			CHALLENGE
Main	45 mins.	<p>Task 1: Students, in their teams, to take turns to complete four races in Grand Prix Mode. At the end of each race the other team members to record the results of each race. (This data will be used to populate the student's spreadsheets in the next task.)</p> <p>Part 2: Students to start building their spreadsheet model to record the results of the Grand Prix and Time Trials. Whilst students are creating their spreadsheets, each student to take it in turns to complete a Time Trial circuit.</p> <p>Teacher Provision: Split students into four teams of four (Use random name generator); Take photo of Leader board at end of each race and display on whiteboard for students to note down; Explain to students the marking criteria for the next controlled assessment and introduce them to the main task and show example (WILF).</p>	ACCESS
			CHALLENGE
Plenary	10 mins.	Students to use self assessment sheet to assess their work and identify at least one area for improvement.	ACCESS
			CHALLENGE
Extension		Students to create graphs from their results and use basic and advanced skills such as Macros and LOOKUP tables to improve the look and functionality of their spreadsheet models.	
AfL		Where are you coming from? What have you achieved? Where are you going next?	
HWK			
Resources		Nintendo Wii (4 Controllers); Spare batteries; Digital Still Camera (To record results of each race); Record Sheets; Help guides / videos; Stock Images; Modelling Mario Example.	