

Lesson Plan

Date	
Period	
Class	Year 8:
Lesson	Lesson 4 – A Good Breakfast.

<p>Context of the lesson Where this fits into the “Big Picture”</p>	<p>In this unit Students are given the opportunity to revisit spreadsheets and remind themselves about the functionality and formulas covered in Year 7.</p> <p>Students are given the scenario of a breakfast menu for a girl called Alex. They are asked to construct a model to ascertain whether her breakfast meets a set of nutritional requirements. They are then asked to use this model to check a different breakfast. Students are expected to make and test a prediction by using their model. Presentation of information using different formats is required. More able students will investigate the use of IF...Then formula.</p>	
<p>MLO for this lesson. What will pupils know/understand by the end of the lesson</p>	<p><i>Know:</i> How to sort a table of data correctly</p> <p><i>Understand:</i> Why a table of data cannot be sorted on just a single column</p> <p><i>Be able to:</i> Work within a small group in order to identify what they have learned over the course of this project</p>	
<p>MLO for this lesson. What will pupils know/understand by the end of the lesson (pupil)</p>	<p><i>All pupils will:</i> Be able to write simple predictions about what they think will happen if they make a change to their model</p> <p><i>Most pupils will:</i> Be able to use conditional formatting and goal seek in their model</p> <p><i>Some pupils will:</i> Create tips/sound files to help others use their model</p>	
<p>Teacher input/Activities. What the pupils should undertake with approximate timings.</p>	<p>Greet and settle students.</p> <p><u>Starter</u> Follow instructions on the ppt for Stand-up, Sit-down starter</p> <p><u>Teacher led demonstration</u> - Explain that it is often necessary to sort data in a table. Ask students what will happen if you just sort one column of the table. - Demonstrate to students how to correctly sort data in a table. - Ask for a volunteer to come out and demonstrate how to sort a different table on the white board - Explain that students should sort at least one of their tables during the lesson.</p> <p><u>Individual task</u> Hand out ‘self assessment sheet to each student. Ask students to look at the targets which they set for themselves last week. Tell them to add ‘sorting a table’ to their targets</p> <p><u>Individual Work</u> - Remind students about the task they are doing. - Remind students that they should aim to work towards the targets that they have set for this lesson. - Ensure that all students have a copy of the task sheet - students should continue to work individually through their worksheet.</p> <p>Provide help and assistance as required.</p>	<p>7.5 mins</p> <p>7.5 mins</p> <p>5 mins</p> <p>30 mins</p>

Review/Summary At least 5 minutes before end.	Students should work in groups of 3-4. Give each group a sheet of paper and a set of post-it notes. Each student should aim to write down three things that they have learned during this project. They should stick their post-it notes to the paper and then join up with a second group to compare what they have written.	10 mins
Extension work	Create help tips/hints for others who might use the model. Investigate using Audacity to record sound help files, call out boxes for on-screen tips.	
Homework	Assemble printouts, complete annotation. Bring project to next lesson to hand-in.	
Materials required	<ul style="list-style-type: none"> • Spare task sheets • Students self assessment sheets from lesson 3 • Post-it notes • A4 or A3 paper • Stand-up, sit-down ppt 	

You may:

- Guide teachers or students to access this resource from the teach-ict.com site
- Print out enough copies to use during the lesson

You may not:

- Adapt or build on this work
- Save this resource to a school network or VLE
- Republish this resource on the internet

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