

# Lesson Plan

<b>Date</b>	
<b>Period</b>	
<b>Class</b>	7.
<b>Lesson</b>	Modelling Lesson 4

<p><b>Context of the lesson</b> Where this fits into the “Big Picture”</p>	<p>The Key Stage 3 curriculum requires pupils to learn how simple models are built by first investigating rules and then by seeing how rules can govern the behaviour of simple models. This series of 6 lessons will develop these skills, eventually leading pupils to set up a model and then using it to investigate various scenarios.</p>	
<p><b>MLO</b> for this lesson. What will pupils know/understand by the end of the lesson</p>	<p><i>Know:</i> How to pick up a value from another sheet using a cell reference</p> <p><i>Understand:</i> Why modelling is a useful activity</p> <p><i>Be able to:</i> Use a spreadsheet to model different scenarios</p>	
<p><b>Teacher input/Activities.</b> What the pupils should undertake with approximate timings.</p>	<p>Greet and settle students. Take register whilst students are working on the starter activity.</p> <p><u>Starter:</u> Students to access the starter activity via the teach-ict.com site Work through as many of the four activities as they are able to do in the time available</p> <p><u>Individual Task</u> Ask students to open the file ‘modelling.xls’ from the shared folders Ask students to access ‘lesson 4 task.doc’. Hand a paper copy of ‘spell cost modelling.doc’ to each student.</p> <p>Students should work through the tasks and write their answers down onto the sheet provided..</p> <p>Remind them to use the video tutorials on <a href="http://www.teach-ict.com/software/excel/excel.htm">http://www.teach-ict.com/software/excel/excel.htm</a> They should aim to find out for themselves how to do things before asking for help. Provide assistance as required.</p>	<p style="text-align: right;">10 mins</p>          <p style="text-align: right;">35 mins</p>
<p><b>Review/Summary</b> At least 5 minutes before end.</p>	<p>Ask students what the term ‘modelling’ means. Discuss why it is useful rather than trying things out for real.</p> <p>Put them into groups of four and give them a scenario from below. Ask them to decide what sorts of things could be modelled using a spreadsheet.</p> <ul style="list-style-type: none"> <li>• A supermarket</li> <li>• A hospital</li> <li>• A school</li> <li>• The police</li> </ul> <p>Feedback ideas to the class</p>	
<p><b>Extension work</b></p>	<p>Give any students who complete the lesson task, a copy of ‘spell cost charts.doc’</p>	

<b>Homework</b>	Print out their work and annotate at least one printout.
<b>Materials required</b>	Access to teach-ict.com for starter activity modelling.xls task 4 task.doc spell cost modelling.doc spell cost modelling answers.doc Spell cost charts.doc

*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:*

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

**A subscription will enable you to access an editable version and save it on your protected network or VLE**