	Meden School Curriculum Planning							
Subject	Computing	Year Group	7	Sequence No.	MTP 3	Торіс	Spreadsheet Modelling	
	Retrieval			Core Knowledge			Student Thinking	
What do teachers need <b>retrieve</b> from students before they start teaching <b>new</b> <b>content</b> ?		What <b>specific ambitious knowledge</b> do teachers need teach students in this sequence of learning?				this sequence of our studer them to see t	What real life examples can be applied to this sequence of learning to <b>development</b> of our students thinking, encouraging them to see the inequalities around them and 'do something about them!'	
The tasks in this unit assume that most pupils will have some experience of creating basic spreadsheets from Key Stage 2. Pupils' knowledge and experience is assessed during the first lesson of this unit so that teachers can adapt subsequent lessons accordingly.		The unit is subdivided into six learning hours that can be spread across six or more lessons in order to fit with most school timetables and the needs of different groups of pupils. It is a practical, skills- based unit covering the principles of creating and formatting basic spreadsheets to produce and use simple computer models. It is suitable for pupils who have a basic knowledge of spreadsheets including cell references, simple formulae and formatting, although these topics are revised in the first lesson, making it also suitable for pupils new to spreadsheets.			s creating a TV show. at differen then use b technique format a s to calcular	s centred around financial model for a Pupils start by looking nt types of model and pasic spreadsheet s to create and simple financial model te the expected om viewers' voting.		
Digital Liter Students sh	S2 Computing & acy curriculum. ould be able to do the y the end of KS2:	Knowledge i	n this unit f this unit all	ans of an Assessment Po pupils should understa	include sale merchandis		is then extended to es from sing, with the on of "what if"	
variety of so internet ser digital devic create a rar	e, and combine a oftware (including rvices) on a range of ces to design and nge of programs, d content that	world <ul> <li>Format a</li> <li>Use simp</li> </ul>	simple sprea	computer models are adsheet model and functions dsheet model	used in the real	book seat income fr Spreadshe include SU	ate a seating plan, s and calculate om seat sales. eet features covered JM, MAX, IF and functions, cell naming	

accomplish given goals, including collecting, analysing, evaluating, and presenting data and information	<ul> <li>Use a simple spreadsheet model to explore different "what if" scenarios</li> <li>Create a basic pie chart to display results</li> </ul>	for absolute referencing, conditional formatting, validation, charting and simple
Information		macros.
- use technology safely,	Explain what is meant by a <b>financial model</b>	
respectfully, and responsibly;	• Explain the advantages of naming cells in a spreadsheet model	
recognise acceptable/unacceptable	• Format, construct and manipulate a simple spreadsheet model using formulae	
behaviour; identify a range of ways to report concerns about	Use conditional functions in calculations	
content and contact.	Use conditional formatting	
	<ul> <li>Use a spreadsheet model to predict and test the outcomes for different scenarios</li> </ul>	
	Justify the formatting they have used in a spreadsheet model	
	<ul> <li>Present information from a spreadsheet model in a variety of formats</li> </ul>	
	• Create a macro and assign it to a button on the spreadsheet	
	Customise a chart to present information effectively	
	• Evaluate the effectiveness of a computer model	
	Tier 3 Vocab:	
	Model: an abstract mathematic representations of a real-world event, system, behavior, or natural phenomenon.	
	Simulation: the process of mathematical modelling, performed on a computer,	

Cell: a rectangular area formed by the intersection of a column and a row.
Row: a row runs horizontally in the grid layout of a worksheet.
Column: Columns are denoted and identified by a unique alphabetical header letter, which is located at the top of the worksheet.
Format: arrange or put into a format.
Decimal: a term that describes the base-10 number system
Integer: whole numbers represented as binary values.
Currency: monetary value assigned to data to identify its financial significance to an organization.
Formula: an expression telling the computer what mathematical operation to perform upon a specific value.
Relative reference: the reference is relative to the location of the cell.
Absolute reference: An address or pointer that does not change. For example, in a spreadsheet, a cell with an absolute reference does not change even if copied elsewhere.
Validation: an automatic computer check to ensure that the data entered is sensible and reasonable.
Macro: any programming or user interface that, when used, expands into something larger.
Pie chart: a type of graph that displays data in a circular graph