



TSS Primary Computing MTP 2023-2024

Year 4 Block 3 – Introduction to Spreadsheets

Week	Key Targets and Learning Objectives	Key Activities	Key Vocabulary
1	<ul style="list-style-type: none">● 3MD.04 Know that spreadsheets are comprised of rows and columns of cells and that data can be entered into the cells.<ul style="list-style-type: none">➤ Understand simple spreadsheet vocabulary➤ Understand cell references	<p>Wizards Challenge Students are introduced to new vocabulary in Excel. They then practise new vocabulary by playing hangman as a class. Finally they demonstrate understanding of cell references by completing The Wizard's Challenge activity.</p>	<ul style="list-style-type: none">● spreadsheet● cell● column● row● cell reference
2	<ul style="list-style-type: none">● 3MD.04 Know that spreadsheets are comprised of rows and columns of cells and that data can be entered into the cells.● 5MD.06 Know how to use the arithmetic operators, including +, -, *, /, and simple functions, such as SUM and AVERAGE, in a spreadsheet.<ul style="list-style-type: none">➤ Understand simple spreadsheet vocabulary➤ Understand cell references➤ Understand and create simple mathematical formulae	<p>Gold Mine 1 Students review spreadsheet vocabulary through class hangman. Students revisit The Wizard's Challenge before a demonstration on how to create a formula. Students use basic mathematical formulae (+, -, /, *) to complete levels 1 & 2 of The Gold Mine activity.</p>	<ul style="list-style-type: none">● spreadsheet● cell● column● row● cell reference● formula
3	<ul style="list-style-type: none">● 3MD.04 Know that spreadsheets are comprised of rows and columns of cells and that data can be entered into the cells.● 5MD.06 Know how to use the arithmetic operators, including +, -, *, /, and simple functions, such as SUM and AVERAGE, in a spreadsheet.<ul style="list-style-type: none">➤ Understand simple spreadsheet vocabulary➤ Understand cell references➤ Understand and create simple mathematical formulae	<p>Gold Mine 2 Students review spreadsheet vocabulary through class hangman. Students continue to use basic mathematical formulae (+, -, /, *) to complete level 3 of The Gold Mine activity. Students complete level 4 by using their own expressions and formulae.</p>	<ul style="list-style-type: none">● spreadsheet● cell● column● row● cell reference● formula



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4	<ul style="list-style-type: none"> ● 3MD.04 Know that spreadsheets are comprised of rows and columns of cells and that data can be entered into the cells. ● 3MD.05 Know how to format cells according to their purpose, such as date, currency and text. ● 5MD.06 Know how to use the arithmetic operators, including +, -, *, /, and simple functions, such as SUM and AVERAGE, in a spreadsheet. <ul style="list-style-type: none"> ➤ Understand simple spreadsheet vocabulary ➤ Understand cell references ➤ Understand and create simple mathematical formulae ➤ Format cells to make data more visually appealing and according to type 	<p>Students review spreadsheet vocabulary through class hangman</p> <p>Times Tables Calculator 1 Students use a simple mathematical formula to create a multiplication calculator</p> <p>Times Tables Calculator 2 Students practise formatting data to make it more visually appealing and according to type (number)</p>	<ul style="list-style-type: none"> ● spreadsheet ● cell ● column ● row ● cell reference ● formula ● data ● format
5	<p>3MD.04 Know that spreadsheets are comprised of rows and columns of cells and that data can be entered into the cells.</p> <p>3MD.05 Know how to format cells according to their purpose, such as date, currency and text.</p> <p>5MD.06 Know how to use the arithmetic operators, including +, -, *, /, and simple functions, such as SUM and AVERAGE, in a spreadsheet.</p> <p>4MD.03 Identify the differences between data and information.</p> <p>5MD.07 Identify the impact of changes to individual data items.</p> <ul style="list-style-type: none"> ➤ Understand simple spreadsheet vocabulary ➤ Understand cell references ➤ Understand and create simple mathematical formulae ➤ Manipulate pre-prepared spreadsheets by adding formulae and changing variables 	<p>Students review spreadsheet vocabulary through class hangman</p> <p>Sweet Shop Problem Students are introduced to Spreadsheet Modelling with this pre-prepared spreadsheet. They are given a problem which involves using multiplication and SUM formulae and trial and error to solve.</p>	<ul style="list-style-type: none"> ● spreadsheet ● cell ● column ● row ● cell reference ● formula ● data ● format ● modelling
6	TBC	Either spreadsheet consolidation/extension and code.org	● (Vocabulary)
7	TBC	Or Digital Citizenship short focused tasks and code.org	● (Vocabulary)