



TSS Primary Computing MTP 2022-2023

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	Wizards Challenge <ul style="list-style-type: none">• 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.	<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	Gold Mine 1 <ul style="list-style-type: none">• 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.	<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	Gold Mine 2 <ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• spreadsheet• cell• column• row• cell reference• formula
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	<ul style="list-style-type: none">• Students review spreadsheet vocabulary through class hangman Times Tables Calculator 1 <ul style="list-style-type: none">• Students use a simple mathematical formula to create a multiplication calculator Times Tables Calculator 2 <ul style="list-style-type: none">• Students practise formatting data to make it more visually appealing and according to type (number)	<ul style="list-style-type: none">• spreadsheet• cell• column• row• cell reference• formula• data• format
5	<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">• Students review spreadsheet vocabulary through class hangman Sweet Shop Problem	<ul style="list-style-type: none">• spreadsheet• cell• column



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	<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	<ul style="list-style-type: none">• 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.	<ul style="list-style-type: none">• row• cell reference• formula• data• format• modelling
6	TBC	<ul style="list-style-type: none">• Either spreadsheet consolidation/extension	<ul style="list-style-type: none">• (Vocabulary)
7	TBC	<ul style="list-style-type: none">• Or Digital Citizenship short focused tasks	<ul style="list-style-type: none">• (Vocabulary)