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Lesson Title: Introduction to Excel	Date: March 25, 2024	
Grade Level: 9	Subject/Strand: BTT1O	
Topic: Introduction to core features of Excel	Length of Period: 75 minutes	

Lesson Plan Description

This lesson will introduce students to the basic features of Microsoft Excel. Following the teacher along with a step-by-step tutorial, students will learn various functions of the software.

CURRICULUM CONNECTIONS		
 Ontario Curriculum Overall Expectations Use spreadsheet software to perform a variety of tasks. 	 Ontario Curriculum Specific Expectations Input, organize, and format data in a spreadsheet. Use formulas and functions (e.g., sum, average, minimum, maximum) to perform specific spreadsheet tasks. Produce spreadsheet documents (e.g., budget, inventory, payroll, invoice) to manage data. Use software to produce charts that visually represent spreadsheet data. 	
Learning Goals Discuss with learners: <i>What will I be</i> <i>learning today</i> ?	Success Criteria Discuss with learners: How will I demonstrate what I have learned?	
 We are learning How to navigate the menu in Excel and what different features do. How to enter various types of data. How to adjust formatting for text in a worksheet. How to use basic formulas. How to sort and filter data. How to create charts and graphs using data. 	 I can Explain various features in Excel and where to find them. Demonstrate how to add various types of data to a worksheet such as text, numbers, dates, etc. Demonstrate how to use formulas with data and create graphs after sorting and filtering that data. 	

ASSESSMENT				
Indicate purpose of the assessment: □ FOR ☑ AS □ OF Indicate Achievement Chart categories being assessed: ☑ Knowledge and Understanding [] Thinking ☑ Application [] Communication				
CONSIDERATIONS FOR PL	LANNING			
 experience? Students have no p from scratch. Resources / Materials: Computer for each 	revious known experience o	earners bring with them to this learning r exposure to Excel and will be learning eet program such as Google Sheets for		
THREE PART LESSON				
Introduction (5 minutes)				
you have a b finding flight tickets, etc. with all the r and confirm do to help st • Ask what they can d	anning out a trip to Europe an oudget of \$10,000. You start ts, hotels, rental cars, train but quickly get overwhelmed numbers, dates, locations, lation numbers. What can yo tay organized?" lo to keep it all organized. et/Excel is brought up, ask	 Why would using a spreadsheet help with this scenario? What other situations might 		

•	Ask about other scenarios where Excel and spreadsheets could be useful. Possible examples:	 Has anyone here used Excel or spreadsheet software before? If so, what for?
Body o	of Lesson / Action <mark>(~60 minutes)</mark>	
1.	Navigating the Interface (7 minutes)	Key Questions to Engage
	• Demonstrate the Excel interface: Ribbon,	Learners.
	tabs, cells, columns, and rows.	Why might you want to change the
	 Explain how to navigate between 	formatting of a cell?
	worksheets.	
2.	Data Entry (10 minutes)	When would these formulas be
	Show how to enter text, numbers, and	useful? When can you use them?
	formulas into cells.	14/1 11 1. 5
	Emphasize the importance of cell	Why would you want to format
~	references in formulas.	number cells differently?
3.	Formatting (10 minutes)	Million actual way was the OOUNTE
	 Discuss formatting options: font styles, colors, cell borders, and alignment. 	When could you use the COUNTIF formula?
	 Demonstrate how to apply formatting to 	Torrituta ?
	 Demonstrate now to apply formatting to cells and ranges. 	
1	Formulas and Functions (12 minutes)	
4.	 Introduce basic formulas: SUM, 	
	AVERAGE, MAX, MIN, COUNT, COUNTIF,	
	and arithmetic operators.	
	 Show how to create formulas and use 	
	autofill for quick calculations.	
	Explain the concept of functions and	
	demonstrate how to use them.	
5.	Sorting and Filtering (7 minutes)	
	• Explain how to sort data alphabetically or	
	numerically.	
	Demonstrate filtering to display specific	
	data subsets.	
6.	Charts and Graphs (10 minutes)	
	 Introduce chart types: bar, pie, and line 	
	charts.	
	Show how to create charts based on data	
	in Excel.	
7.	Saving and Printing (6 minutes)	
	 Discuss saving workbooks in different 	
	formats: .xlsx, .csv, etc.	

 Demonstrate how to print worksheets and adjust print settings. 8. Practice Exercises (15 minutes) Distribute handouts with practice exercises covering topics from the lesson. Encourage students to work individually or in pairs to complete the exercises. 	
Conclusion (<mark>10 minutes)</mark>	
 Summary: Summarize content covered and features covered in Excel. 	Key Questions to Engage Learners. What is one formula that you learned today? When can you use this in the future?
 Differentiated Instruction Main lesson will be taught in chunks letting student through the software on the projector screen for stu (auditory/visual) and students will then complete th familiar with the features (kinesthetic). 	udents to see and hear
 Rationale & Purpose: This lesson covers the spreadsheet elements of the Studies Curriculum for BTT10. This lesson allows students to learn spreadsheet so approaches. 	-
 Extension Activities What will learners do when work is completed? Students are encouraged to play around with Excel different functions online, etc. What will learners do if they finish early? Students will research 2-5 Excel functions different They will write down the name of it, what it does, an 	from those covered in the lesson.

Students will be assigned a budgeting assignment using a scenario similar to the one covered in the introduction of the lesson.