***A picture containing text, clock

Description automatically generated***

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**Activity**

Famous Amusement Parks

MODULE 6: Spreadsheet Applications

This **activity** was written for the Florida Public School System DIGITAL INFORMATION TECHNOLOGY (8207310) course. Funded by the Cyber/IT Pathways Program, Cyber Florida, and the Florida Department of Education.

# Module 6: Spreadsheet Applications

## Activity: Famous Amusement Parks

The student edits data in the pre-made **Famous Amusement Parks spreadsheet** by entering new data, formatting cells, creating a chart, and using formulas.

## Standards Assessed

* **06.01** Manipulate the worksheet by using the ribbon tabs, group settings, importing data/database, manipulating properties, files, and folders.
* **06.02** Create cell data and apply auto fill.
* **06.03** Format cells and worksheets (e.g., by applying and manipulating cell formats, styles, merging and splitting cells, create row and column titles, hide and unhide column titles, rows and columns, page setup options, and manipulating views/themes).
* **06.04** Create and analyze formulas and functions (e.g., apply conditional formula logic, name, and cell ranges).
* **06.05** Create and modify charts and images. (e.g., pivot tables)
* **06.08** Interpret data online graphs, pie charts, diagrams, and tables.

## Teacher Notes

Teachers can use whatever spreadsheet software is available for the students such as Microsoft Excel or other spreadsheet application compatible with .xlsx files. Use other online resources to help students learn the details of a specific product.

The ticket prices are included in the spreadsheet; however, students may use the Internet to find the cost of a ticket at popular amusement parks and then enter the data in a new spreadsheet.

## Estimated Student Completion Time

* 45 minutes x 1-2 classes to complete the activity

## Activity Rubric

Consider evaluating the student’s work based on measures of quality. For example, with a maximum of 4 Points Possible, the following could be applied to the activity:

* **1 Point Earned** = ***Needs Improvement*** (the student work did not meet more than 50% of the requirements and did not follow instructions)
* **2 Points Earned** = ***Developing*** (the student met between 50% and 75% of the requirements and generally followed the instructions)
* **3 Points Earned** = ***Sufficient*** (the student met between 75% and 90% of the requirements and clearly followed instructions)
* **4 Points Earned** = ***Above Average*** (the student met > 90% of the requirements and followed all instructions)

Use the table below to make sure students cover all required elements in the assignment.

| **Required Elements** | **Possible Points** | **Points Earned** |
| --- | --- | --- |
| **Appearance**   * Merged title across the top row * Used borders and color * Used currency in dollars with 2 decimal places |  |  |
| **Formulas**   * Calculates the sum |  |  |
| **Charts**   * Clustered bar chart * Displays all data * Includes chart title and style * Chart is in a new sheet |  |  |
| **Total** |  |  |

# Activity: Famous Amusement Parks

**Students Instructions**: You have a summer trip planned that includes visiting amusement parks around the country. Complete the following tasks using the **Famous** **Amusement Parks** **spreadsheet** in Microsoft Excel or other spreadsheet application compatible with .xlsx files.

1. Open the Famous Amusement Parks spreadsheet.
2. Merge and center cells A1:E1.
   1. Bold cells A1:E1.
   2. Add Thick Outside Borders to cells A1:E1.
   3. Change the fill color of cells A1:E1 to the color of your choice.
3. Bold and center cells A4:E4.
   1. Add Wrap Text to cell E4.
   2. Add an Outside Borders to cells A4:E4.
   3. Change the fill color of cells A4:E4 to the color of your choice.
4. Type Your Name in Cell E2.
   1. Change the Cell Style of Cell E2 to Blue, Accent 1.
5. Insert a New Blank Row after Row 5.
6. Move the contents of Row 15 to Row 6.
7. Change the Fill Color of Cell E15 to White, Background 1, Darker 25%.
   1. Change the format of Cells E5:E15 to Currency format.
8. Hide Column B.
9. Hide Column C.
10. Add Thick Outside Borders to Cell E15.
11. Rename the worksheet tab as Famous Amusement Parks.
12. Change the Worksheet Tab Color to Light Blue.
13. Create a formula in Cell E15 that calculates the sum of Cells E5:E14.
14. Delete Row 3.
15. Create a 3-D Clustered Bar Chart from cells D4:E14.
16. Move the chart to a new sheet titled Parks Chart.
17. Change the Chart Styles to Style 6.
18. Change the Chart Title to Famous Amusement Parks.
19. Save your spreadsheet based on the teacher’s instructions.