

## Grade 5

Distance Learning Module 10: Week of: 6/8/2020-6/12/2020

### Grade 5 Computer Coding - *Modified from [Unit 2 - Data Abstraction and Modeling](#)*

#### Targeted Goals from Stage 1: Desired Results

**Content Knowledge:** Spreadsheets are a tool used to communicate data in an organized format in a variety of personal and professional situations. Data representation visually describes what is happening (modeling) to inform next iterations.

**Vocabulary:** spreadsheet, Google Sheets, Excel, cell, column, row, gridlines, data, table, merge, function, icon, sum, legend, chart, data labels

#### Skills:

- Create a spreadsheet
- Place data in a spreadsheet in a purposeful manner
- Select the most appropriate graph for a given purpose
- Manipulate data in a table to create a graph or chart

**Expectation:** Students will work with data from a fictitious student to analyze game ratings and propose ways the student can further improve their game based on the data and information about the game.

- Demonstrating understanding of the vocabulary used in spreadsheets, students will create graphs from data within a spreadsheet.
- Students will be able to use the chart editor in Google Sheets to format graphs.
- Students will distinguish between various graph types and their given purposes.
- Students will create a table with data about their scratch game ratings, use the Average function to calculate average ratings in each category, and graph the data to show how their innovations improved their games.
- Students will analyze their data and draw conclusions about next steps to take with a student's Star Hunter game

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Compare your before and after ratings using the appropriate graph	Weekly video introduction: Review assignment Meet: Clarify instructions, Q&A Spreadsheet with table from last week	Completed graph showing ONLY average before and after data
Tuesday:		

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Wednesday: Analyze the data: What are Stewie's next steps? Provide <u>at least 3 changes</u> you will make, and state WHY you will make those changes <b>based on the data from your tables and graphs. You must give data in your written responses.</b>	PBA Assignment Spreadsheet with data table and graph Google Doc created within assignment with analysis Feedback provided in Dice assignment	Draft document of first innovation: what will the change be, which category does the innovation effect, and what does the data say that makes you pick that innovation/category.
Thursday:	Meet: What are my expectations for your analysis of your data? Tune in to find out!	
Friday: Complete your analysis	PBA Analysis Google Doc PBA Game Data Google Sheet	PBA Game Data Google Sheet - completed PBA Analysis Google Doc - Completed

**Week criteria for success** (attach student checklists or rubrics):

- Complete analysis and turn in document
- Watch video about graphing non-adjacent columns
- Create pie charts for your predicted and actual dice rolls in Google Sheets
- Format your charts:

**Supportive resources and tutorials for the week** (plans for re-teaching):

1:1 meets