Curriculum Parent Overview (Grade 2)

MATHEMATICS

UNIT #4: POCKETS, TEETH, AND GUESS MY RULE (MODELING WITH DATA)

CONTENT FOCUS:
Students will be identifying and sorting data by common attributes, and organize and represent data through picture graphs, bar graphs, and venn diagrams. Students will work with numerical data as they collect, organize, and represent it on graphs.

UNIT FOCUS:
- Sorting and classifying: Students will identify attributes of a set, sort data into four categories, use venn diagrams to represent data, and sort the same data in different ways.
- Collecting and representing data: Students will make a plan for collecting data, predicting data, collecting data, and recording data on a picture graph, bar graph, or line plot
- Describing and interpreting data: Students will be describing and interpreting data on a picture graph and bar graph to compare the same set of data.

MATHEMATICAL PRACTICES:
MP6: Attend to precision.
MP4: Model with mathematics.

CONNECTIONS TO PREVIOUS CONTENT:
In Kindergarten and Grade 1, students engaged in a variety of sorting and classifying activities. Kindergarten students carried out class surveys using yes/no questions and used them to model classroom situations. Grade 1 students sorted, represented, and analyzed data in two and three categories and also conducted their own data investigations. While an emphasis in Grade 1 was on the development of students' own representations of data, students were also introduced to conventional data representations such as picture graphs and horizontal and vertical tables. They described and compared the number of data points in each category, explored the relationship between the number of responses in all categories of a data set and the number of people surveyed, and used equations to show this relationship. In all of their data work, students were encouraged to consider the question "What do the data tell us about the class?"

CONNECTIONS TO FUTURE CONTENT:
In Unit 6, students collect measurement data to the nearest whole number and use line lots to represent the data. In Grade 3, students use bar graphs, pictographs, and line plots to represent, describe, and compare categorical and numerical data. Grade 4 students compare and analyze two data sets, model a real-world problem with mathematics, and construct arguments based on a data model. Third and fourth grade students generate measurement dat and use line plots to represent, describe, and compare fractional measurements.

MATH AT HOME:
- Play any of the following games with your child on Savvas Site after it has been introduced in the classroom:
  - Guess My Rule with People
  - Guess My Rule with Yekttis

- Review the Math Words and Ideas videos for this unit on Savvas Site