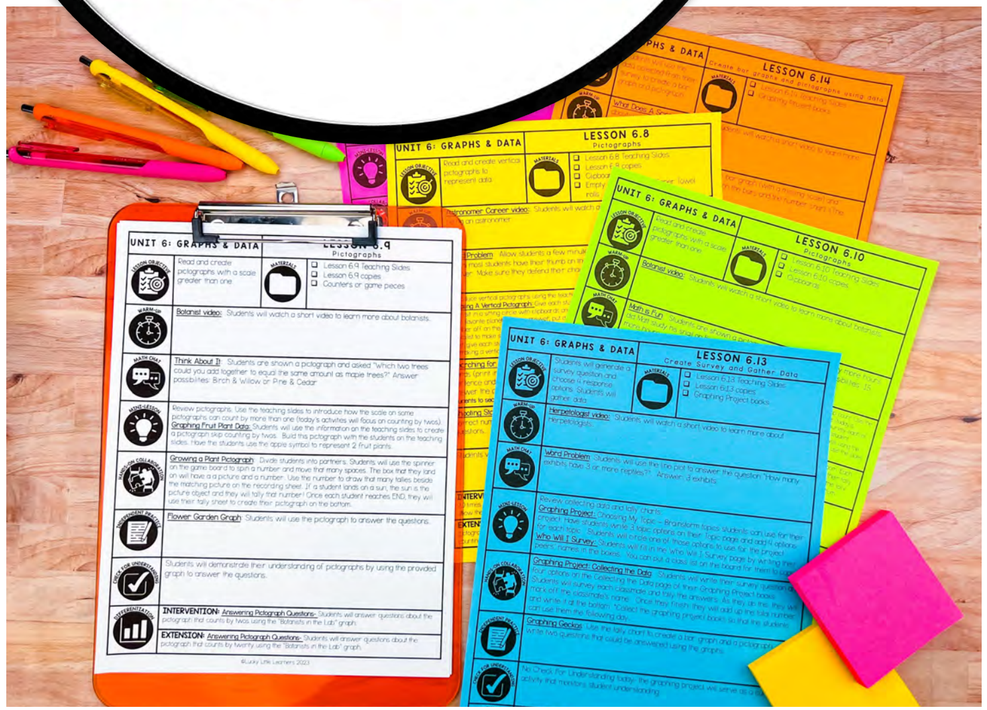
SECOND GRADE

UNIT SIX
GRAPHING & DATA

Lucky to Learn MATH



SCROLL

Why?

This is the hands-on, standards-aligned, collaborative, and engaging graphing unit you've been looking for! This resource can also be used as a supplement to other math programs.

Is your current math curriculum dull and lifeless?

This unit is so engaging! It has hobby - themed lessons to pique student interest, while also ensuring they master the math.

Looking for resources that are easy to prep?

The lesson plans include icons to help you choose which activities to use during the day, and teaching slides that guide you & your students through the lesson.

Wanting your students to love math?

The math block routine will scaffold and guide students to gain deep levels of understanding, feel successful, and love math!

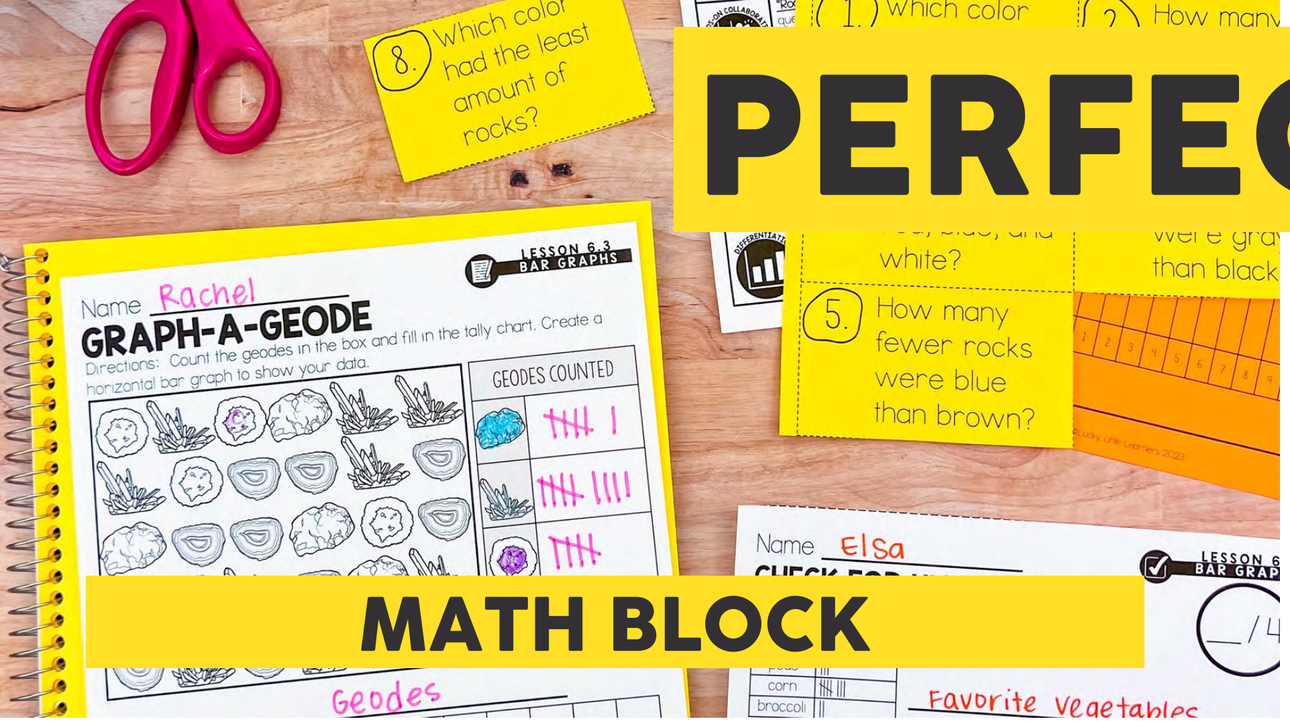
PERFECT FOR

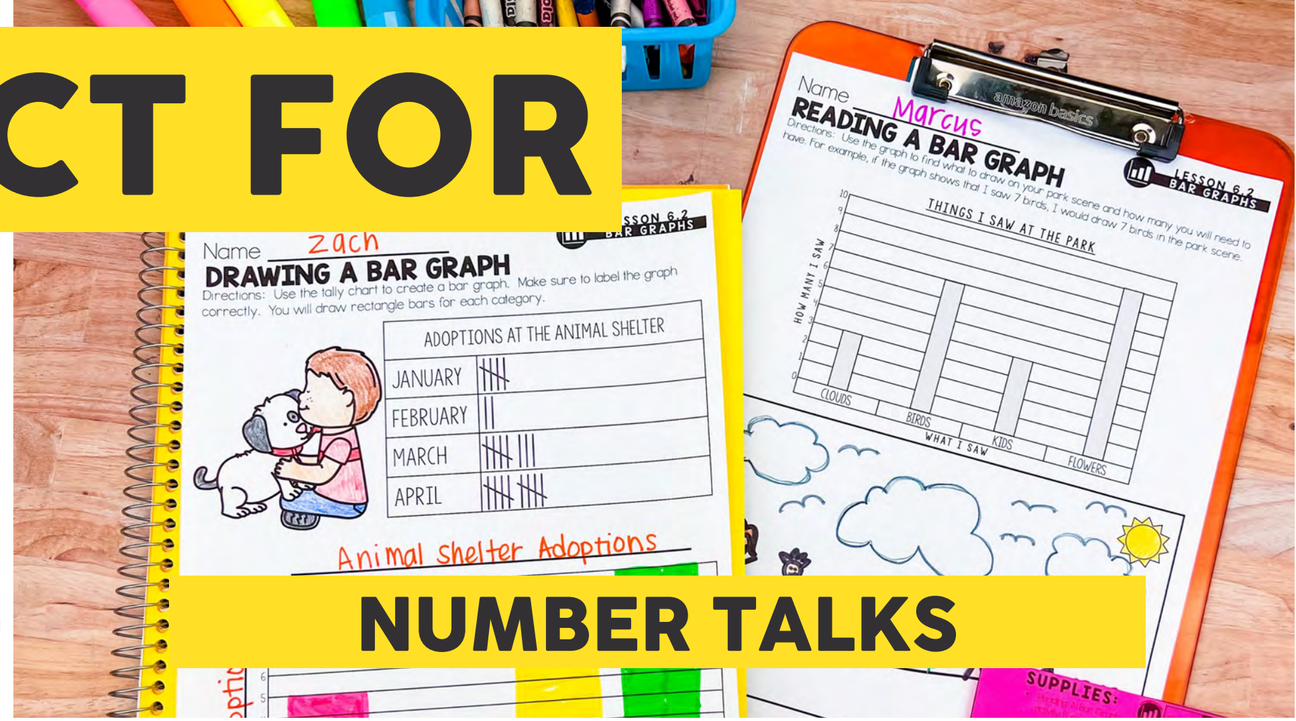
MATH BLOCK

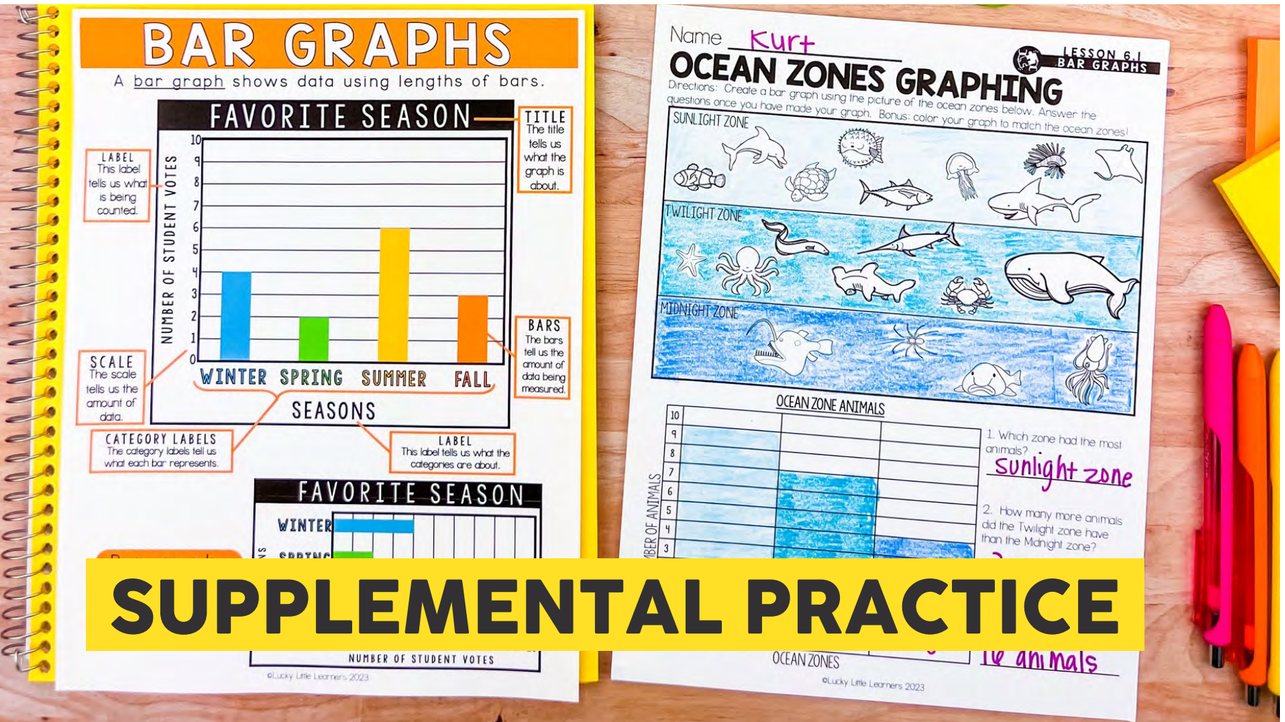
NUMBER TALKS

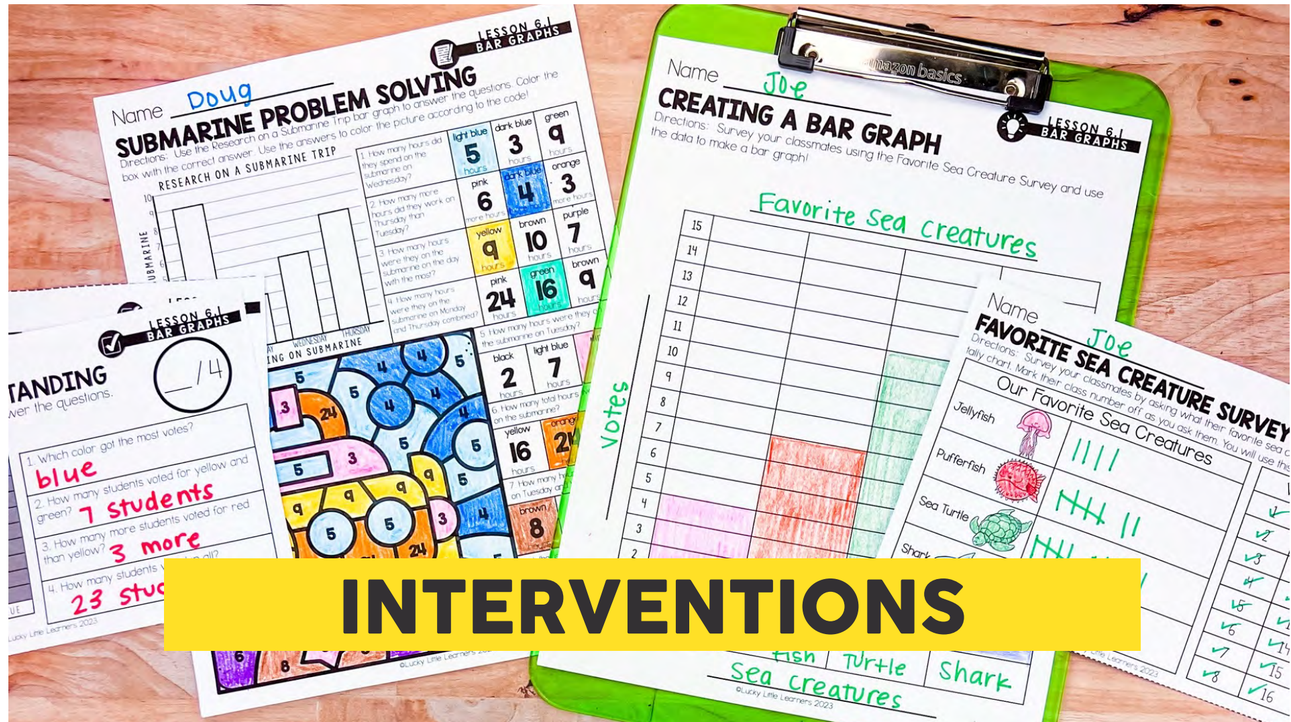
SUPPLEMENTAL PRACTICE

INTERVENTIONS









WHAT'S INCLUDED?

- Teaching slides
- Lesson plans
- Warm-ups
- Math chats
- Mini lessons
- Collaborations
- Worksheets
- Differentiation
- And SO much more!

SKILLS INCLUDED

Aligned to CCSS & TEKS

GRAPHING & DATA

UNIT OVERVIEW

WEEK ONE — BAR GRAPHS

- Introduction to bar graphs
- Gathering data
- Vertical bar graphs
- Horizontal bar graphs
- Bar graphs with a scale greater than 1
- Write and answer questions about bar graphs

CC: 2.MD.10

TEKS: 2.10a, 2.10b, 2.10c, 2.10d

WEEK TWO — PICTOGRAPHS

- Introduction to pictographs
- Horizontal pictographs
- Vertical pictographs
- Pictographs with a scale greater than 1
- Write and answer questions about pictographs

CC: 2.MD.10

TEKS: 2.10a, 2.10b, 2.10c, 2.10d

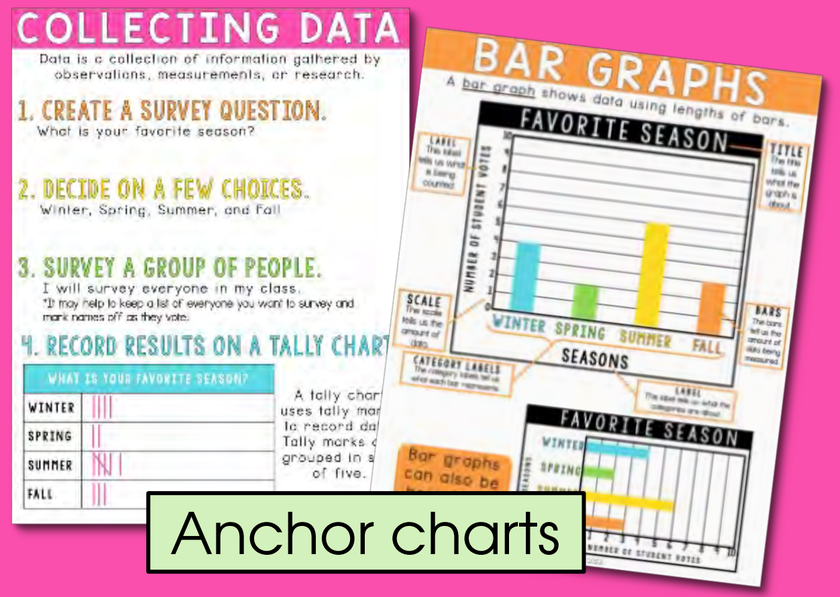
WEEK THREE — LINE PLOTS & GRAPHING PROJECT

- Introduction to line plots
- Reading a line plot
- Creating line plots
- Review of graphs
- Graphing project

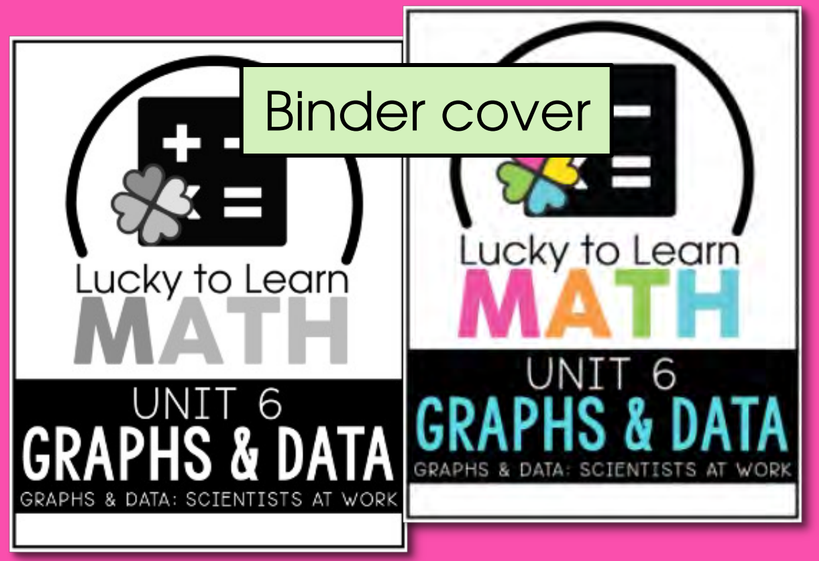
CC: 2.MD.9, 2.MD.10

TEKS: 2.10a, 2.10b, 2.10c, 2.10d

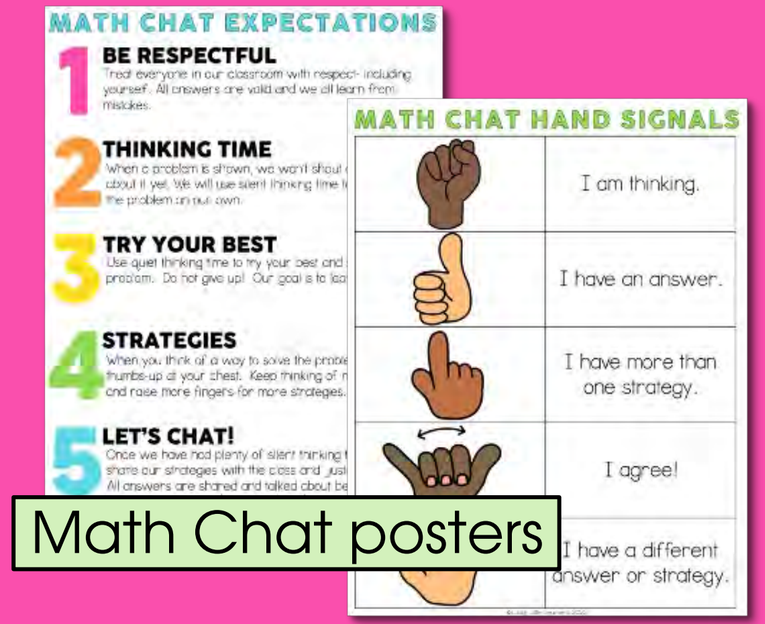
UNIT MATERIALS



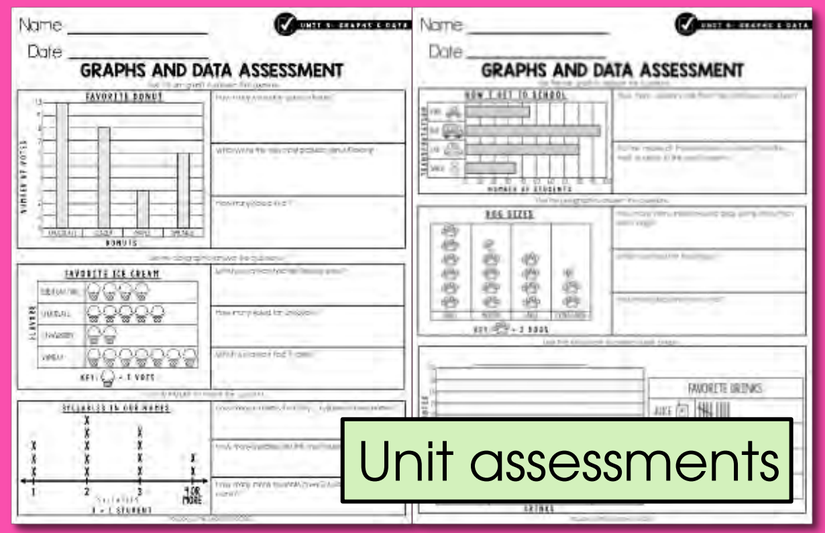
Anchor charts



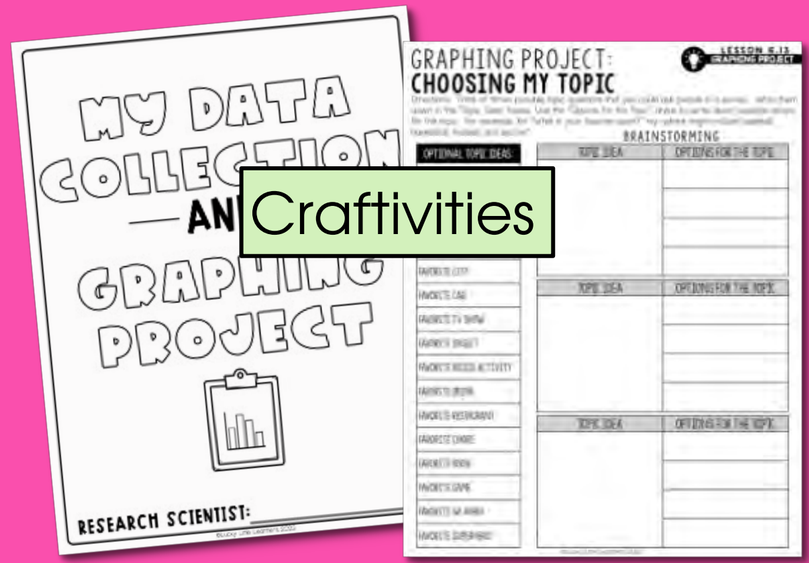
Binder cover



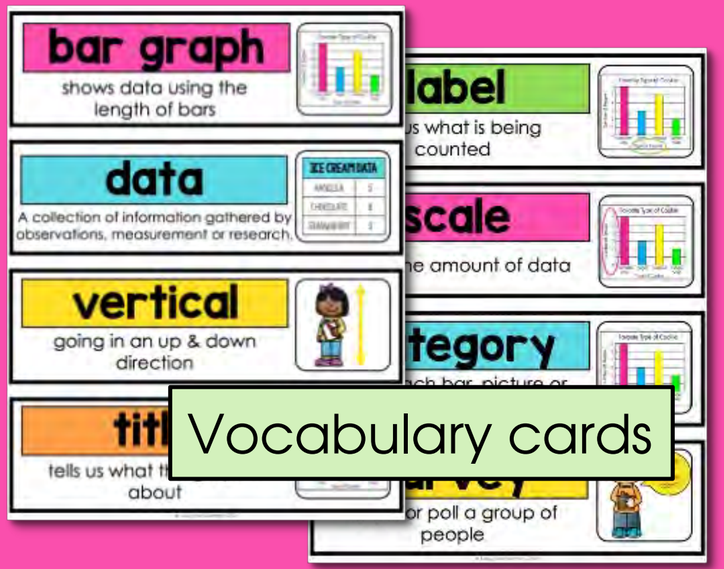
Math Chat posters



Unit assessments



Craftivities



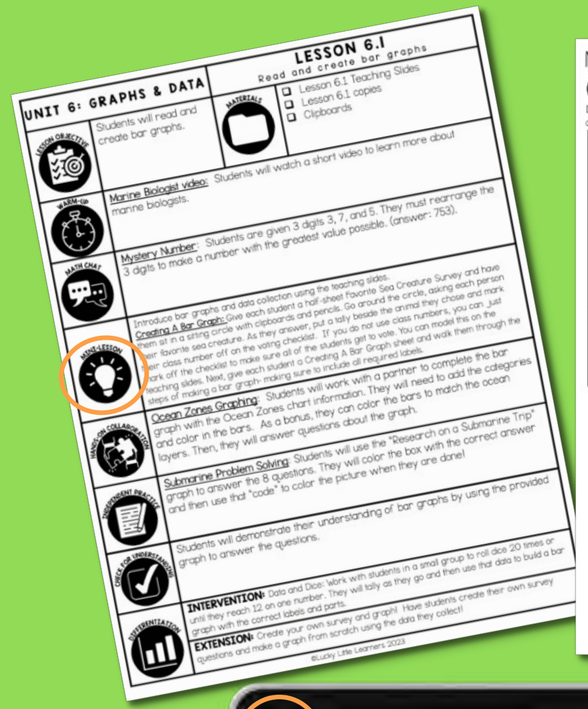
Vocabulary cards

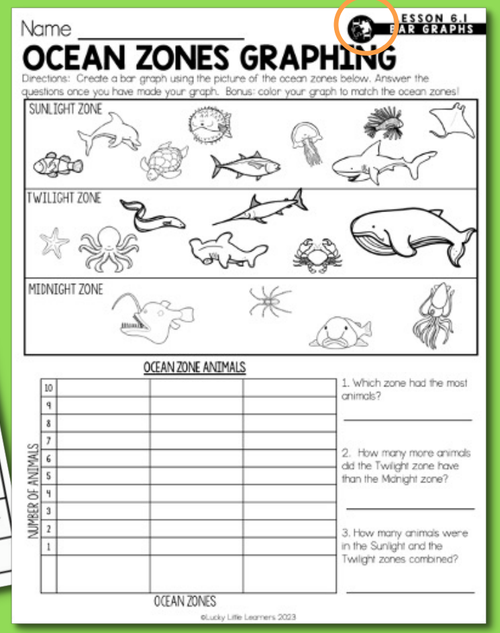
MATH UNIT ICONS

These icons are on each piece of the curriculum to help you stay organized and help students learn the routine!

ICON KEY

OBJECTIVE	MATERIALS	WARM UP	MINI LESSON	MATH CHAT
HANDS-ON COLLABORATION	INDEPENDENT PRACTICE	CHECK FOR UNDERSTANDING	DIFFERENTIATION	BONUS





LESSON PLANS

Clear lesson objective

Teaching slides included for each part of the lesson

List of materials

Quick warm-up in each lesson

Math chat (number talk) in each lesson

Collaborative hands-on tasks

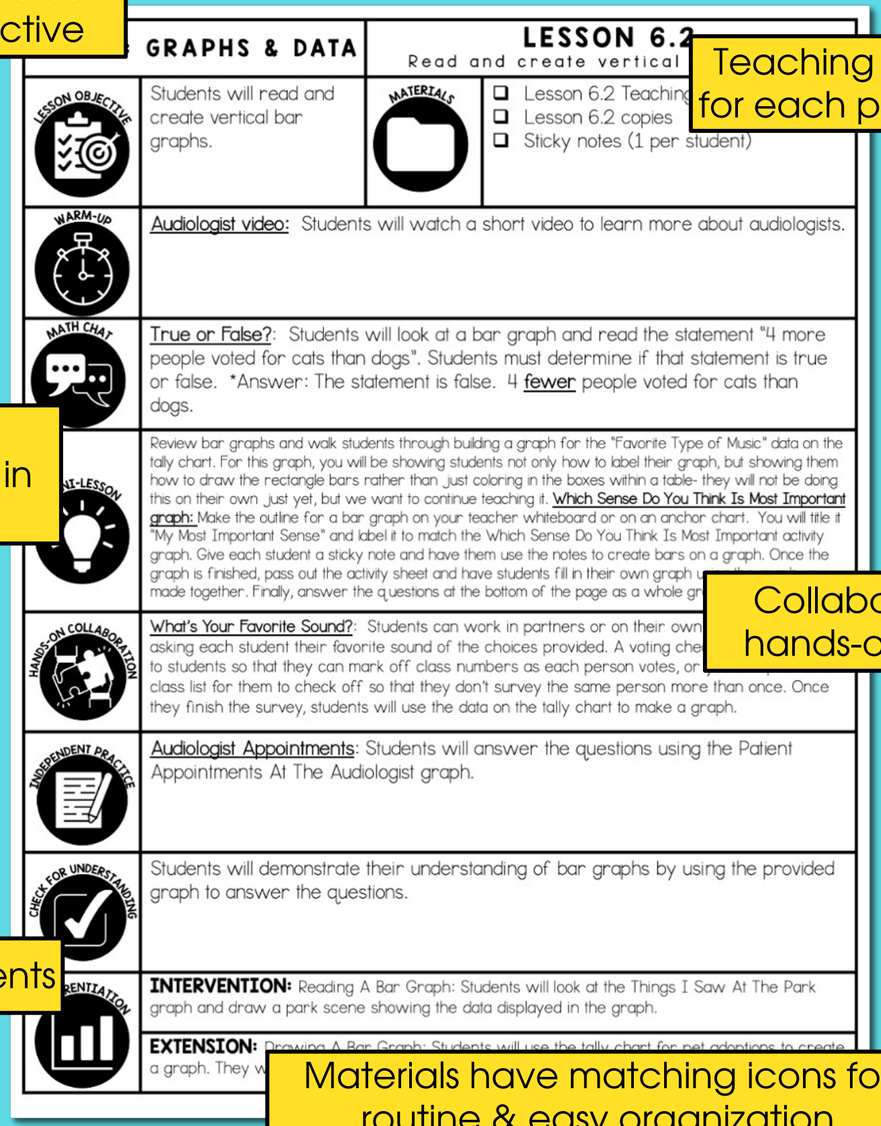
Skill-focused mini lesson

Independent practice

Quick assessments

Materials have matching icons for routine & easy organization

Differentiation options



GRAPHS & DATA

LESSON 6.2
Read and create vertical

LESSON OBJECTIVE
Students will read and create vertical bar graphs.

MATERIALS
- ❑ Lesson 6.2 Teaching
- ❑ Lesson 6.2 copies
- ❑ Sticky notes (1 per student)

WARM-UP
Audiologist video: Students will watch a short video to learn more about audiologists.

MATH CHAT
True or False?: Students will look at a bar graph and read the statement "4 more people voted for cats than dogs". Students must determine if that statement is true or false. *Answer: The statement is false. 4 fewer people voted for cats than dogs.

NI-LESSON
Review bar graphs and walk students through building a graph for the "Favorite Type of Music" data on the tally chart. For this graph, you will be showing students not only how to label their graph, but showing them how to draw the rectangle bars rather than just coloring in the boxes within a table- they will not be doing this on their own just yet, but we want to continue teaching it. Which Sense Do You Think Is Most Important graph: Make the outline for a bar graph on your teacher whiteboard or on an anchor chart. You will title it "My Most Important Sense" and label it to match the Which Sense Do You Think Is Most Important activity graph. Give each student a sticky note and have them use the notes to create bars on a graph. Once the graph is finished, pass out the activity sheet and have students fill in their own graph u
made together. Finally, answer the questions at the bottom of the page as a whole gr

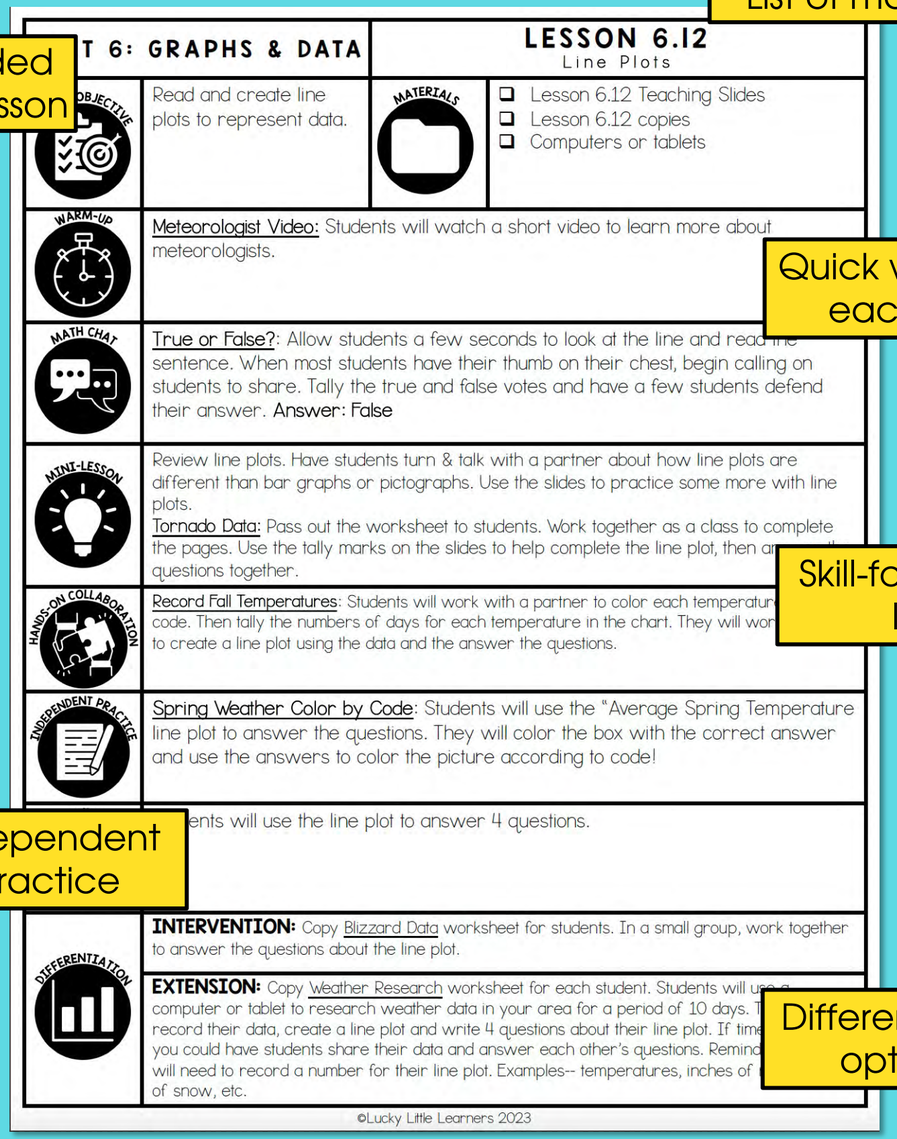
HANDS-ON COLLABORATION
What's Your Favorite Sound?: Students can work in partners or on their own
asking each student their favorite sound of the choices provided. A voting che
to students so that they can mark off class numbers as each person votes, or
class list for them to check off so that they don't survey the same person more than once. Once they finish the survey, students will use the data on the tally chart to make a graph.

INDEPENDENT PRACTICE
Audiologist Appointments: Students will answer the questions using the Patient Appointments At The Audiologist graph.

CHECK FOR UNDERSTANDING
Students will demonstrate their understanding of bar graphs by using the provided graph to answer the questions.

RENTIATION
INTERVENTION: Reading A Bar Graph: Students will look at the Things I Saw At The Park graph and draw a park scene showing the data displayed in the graph.

EXTENSION: Drawing A Bar Graph: Students will use the tally chart for pet adoptions to create a graph. They w



T 6: GRAPHS & DATA

LESSON 6.12
Line Plots

OBJECTIVE
Read and create line plots to represent data.

MATERIALS
- ❑ Lesson 6.12 Teaching Slides
- ❑ Lesson 6.12 copies
- ❑ Computers or tablets

WARM-UP
Meteorologist Video: Students will watch a short video to learn more about meteorologists.

MATH CHAT
True or False?: Allow students a few seconds to look at the line and read the sentence. When most students have their thumb on their chest, begin calling on students to share. Tally the true and false votes and have a few students defend their answer. Answer: False

MINI-LESSON
Review line plots. Have students turn & talk with a partner about how line plots are different than bar graphs or pictographs. Use the slides to practice some more with line plots.
Tornado Data: Pass out the worksheet to students. Work together as a class to complete the pages. Use the tally marks on the slides to help complete the line plot, then ar
questions together.

HANDS-ON COLLABORATION
Record Fall Temperatures: Students will work with a partner to color each temperatur
code. Then tally the numbers of days for each temperature in the chart. They will wor
to create a line plot using the data and the answer the questions.

INDEPENDENT PRACTICE
Spring Weather Color by Code: Students will use the "Average Spring Temperature line plot to answer the questions. They will color the box with the correct answer and use the answers to color the picture according to code!

ents will use the line plot to answer 4 questions.

DIFFERENTIATION
INTERVENTION: Copy Blizzard Data worksheet for students. In a small group, work together to answer the questions about the line plot.

EXTENSION: Copy Weather Research worksheet for each student. Students will us
computer or tablet to research weather data in your area for a period of 10 days. T
record their data, create a line plot and write 4 questions about their line plot. If time
you could have students share their data and answer each other's questions. Remind
will need to record a number for their line plot. Examples-- temperatures, inches of
of snow, etc.

Weekly Email FREEBIES!

Grab a cup of coffee and take a few minutes with our weekly newsletter created just for teachers like you.

SCAN HERE!

About Lucky Little Learners

Angie Olson has many years of classroom experience teaching grades kindergarten, first, and second grade. She earned her master's degree in mathematics and has presented for a variety of conferences at the national, state, and local levels. Over the years, Angie has employed teachers to help with Lucky Little Learners. She is proud of her talented team who strives to support the teaching community with her. Lucky Little Learners has created over 25,000 resources that are available in the All Access membership. Lucky Little Learners is also a top seller on Teachers Pay Teachers.