



Grade 2 Summer Guidance

How to Use This Document

Schools and districts provide extended summer learning opportunities for students in a variety of formats. The Math Learning Center has developed this summer guidance to provide flexibility for instructional planning. Each document includes a curated list of tasks, sessions, and resources aligned to the grade-level content recommendations from the Common Core State Standards identified critical areas and the Student Achievement Partners (Achieve the Core) focus documents. In addition, a planning template with sample plans can be found [here](#).

Grade 2 Critical Content

From [CCSS](#)

- (1) Extend understanding of base ten notation
- (2) Build fluency with addition and subtraction
- (3) Use standard units of measure
- (4) Describe and analyzing shapes

Grade 2 Major Clusters

From [Achieve the Core](#)

- 2.OA.A** Represent and solve problems involving addition and subtraction
- 2.OA.B** Add and subtract within 20
- 2.NBT.A** Understand place value
- 2.NBT.B** Use place value understanding and properties of operations to add and subtract
- 2.MD.A** Measure and estimate lengths in standard units
- 2.MD.B** Relate addition and subtraction to length

Fluency Expectations:

- 2.OA.B.2** Single-digit sums and differences (sums from memory by end of Grade 2)
- 2.NBT.B.5** Add/subtract within 100

Suggested Bridges Materials

Familiar Bridges in Mathematics resources can be used flexibly to support summer learning. Grade-level recommendations include suggested activities for each of the following components.

Math at Home (10 minutes/day)

Using familiar routines and designed for flexible use by students, families, and teachers, Math at Home activities can be used as daily warmups to establish a positive classroom culture and support social and emotional learning. Resources include printable pages and sample responses for reference for most activities.

Bridges Intervention (30 minutes/day)

Organized by content, Bridges Intervention volumes are designed for explicit, small-group instruction and address critical numeracy and computation skills. Each session includes a warmup, an activity, and a guided practice page with progress monitoring conducted every fifth session. Activities might also be selected as needed to support students who require work with particular skills or concepts.

Work Places (20–30 minutes/day)

Work Place activities engage students in differentiated practice with key skills. They can be introduced in whole- or small-group settings and used at work stations. To focus on specific standards, refer to the [Grade 2 Work Place CCSS Correlations](#). Use support and challenge suggestions from the Work Place Guide and assign game variations from the Work Place Instructions to further individualize instruction. Work Place materials (with student materials in English and Spanish) are available on the [Curriculum tab](#) of the Bridges Educator Site.

Bridges Unit 8 (60 minutes/day)

In Grade 2, Unit 8 is a STEM-based unit that can be used for a thematic approach to in-person summer learning. The 20 one-hour sessions may be offered as an extension program that completes work with grade-level content and may be combined with focused small-group work for students requiring additional support. Note that specialized materials may need to be gathered or borrowed from a classroom kit to teach this unit.

Grade 2 Summer Learning Resources

Math at Home	Bridges Intervention	Work Places CCSS Correlations
Understanding Place Value (2.NBT.A)		
<p>How Many Are Hidden?</p> <ul style="list-style-type: none"> • Packages of Presents • More Packages of Presents <p>Same & Different</p> <ul style="list-style-type: none"> • Adding Hundreds, Tens & Ones • Counting Collections • Comparing Numbers • Adding Hundreds, Tens & Ones # 2 <p>Guess My Rule</p> <ul style="list-style-type: none"> • Representation Rule • Exploring Digits <p>What Comes Next?</p> <ul style="list-style-type: none"> • More or Less • Dazzling Digits • Number Pieces <p>Which One Doesn't Belong?</p> <ul style="list-style-type: none"> • Base Ten Pieces • Greater Than & Less Than • Addition Mission • Base Ten Riddles 	<p>Volume 1 Number: Early Counting & Place Value, Modules 7–8</p> <ul style="list-style-type: none"> • CCSS Correlations • Tech Resources • Writable PDFs <p>Volume 3 Base Ten Operations, Modules 1–3, 9</p> <ul style="list-style-type: none"> • CCSS Correlations • Tech Resources • Writable PDFs 	<p>2E Steps & Leaps</p> <ul style="list-style-type: none"> • Guides & Instructions • Record Sheets • Student Work Place • Sentence Frames <p>3A Star Power</p> <ul style="list-style-type: none"> • Guides & Instructions • Record Sheets • Student Work Place • Sentence Frames • Number Line App • Number Pieces App <p>3D Base Ten Triple Spin</p> <ul style="list-style-type: none"> • Guides & Instructions • Record Sheets • Student Work Place • Sentence Frames • Number Line App • Number Pieces App <p>5A Jump-a-Ten</p> <ul style="list-style-type: none"> • Guides & Instructions • Record Sheets & Game Boards • Student Work Place • Sentence Frames <p>5E Jump-a-Hundred</p> <ul style="list-style-type: none"> • Guides & Instructions • Record Sheets • Student Work Place • Sentence Frames <p>7E The Gardener's Friend Game</p> <ul style="list-style-type: none"> • Guides & Instructions • Record Sheets • Student Work Place • Sentence Frames <p>8A Sum It Up</p> <ul style="list-style-type: none"> • Guides & Instructions • Record Sheets • Student Work Place • Sentence Frames <p>8B Roll & Subtract One Thousand</p> <ul style="list-style-type: none"> • Guides & Instructions • Record Sheets • Student Work Place • Sentence Frames

Bridges® in Mathematics Grade 2 Summer Guidance

Math at Home	Bridges Intervention	Work Places CCSS Correlations
Building Fluency with Addition & Subtraction (2.OA.B)		
<p>What Comes Next?</p> <ul style="list-style-type: none"> • Really Rad Robots (addition) • Colorful Cubes (addition) • Cube Trains • Kids on the Bus <p>Today's Number</p> <ul style="list-style-type: none"> • 17 • 36 • 102 <p>Math in Our World</p> <ul style="list-style-type: none"> • A Soapy Situation • Block Towers • Our Dog, Sister • Jimmy's Ramp <p>How Many Are Hidden?</p> <ul style="list-style-type: none"> • Beans in the Basket • Beetles • Boxes of Markers • Cube Trains • Buttons in a Bag <p>Would You Rather?</p> <ul style="list-style-type: none"> • Baskets of Blocks • Puzzled Over Puzzles • Leaps & Bounds • Scoreboard Strategy • Bonkers for Books <p>Same & Different</p> <ul style="list-style-type: none"> • Which Number Is Missing? • Unknown Number 	<p>Volume 2 Basic Addition & Subtraction, Modules 1–10</p> <ul style="list-style-type: none"> • CCSS Correlations • Tech Resources • Writable PDFs <p>Volume 4 Addition & Subtraction Word Problems, Modules 3–7</p> <ul style="list-style-type: none"> • CCSS Correlations • Tech Resources • Writable PDFs 	<p>1G Make the Sum</p> <ul style="list-style-type: none"> • Guides & Instructions • Record Sheets • Student Work Place • Sentence Frames <p>2B The Subtraction Wheel</p> <ul style="list-style-type: none"> • Guides & Instructions • Record Sheets • Student Work Place • Sentence Frames • Number Rack App <p>2D Pick Two, Roll & Subtract</p> <ul style="list-style-type: none"> • Guides & Instructions • Record Sheets • Student Work Place • Sentence Frames • Number Rack App <p>3E Target Twenty</p> <ul style="list-style-type: none"> • Guides & Instructions • Record Sheets • Student Work Place • Sentence Frames • Number Rack App <p>4D Climb the Beanstalk</p> <ul style="list-style-type: none"> • Guides & Instructions • Record Sheets & Game Boards • Student Work Place • Sentence Frames • Number Line App • Number Rack App

Bridges® in Mathematics Grade 2 Summer Guidance

Math at Home	Bridges Intervention	Work Places CCSS Correlations
Measuring & Estimating Length (2.MD.A, 2.MD.B)		
<p>Guess My Rule</p> <ul style="list-style-type: none"> • Inches, Feet & Yards <p>Same & Different</p> <ul style="list-style-type: none"> • How Tall Are They? • Measuring Shoes • Picnic Paths <p>Math in Our World</p> <ul style="list-style-type: none"> • Fairy House • Skateboarding <p>Which One Doesn't Belong?</p> <ul style="list-style-type: none"> • Measuring Pencils • Jack's Colorful Beans • Measuring Critters <p>Would You Rather?</p> <ul style="list-style-type: none"> • Head to Tail Whale • Arms & Legs 	N/A	<p>4A Estimate & Measure Inches</p> <ul style="list-style-type: none"> • Guides & Instructions • Record Sheets • Sentence Frames <p>4B Measuring in Yards</p> <ul style="list-style-type: none"> • Guides & Instructions • Record Sheets • Sentence Frames <p>4C Measure & Compare</p> <ul style="list-style-type: none"> • Guides & Instructions • Record Sheets • Sentence Frames <p>7B Estimate & Measure Centimeters</p> <ul style="list-style-type: none"> • Guides & Instructions • Record Sheets • Sentence Frames
Describing & Analyzing Shapes (2.G.A)		
<p>Guess My Rule</p> <ul style="list-style-type: none"> • Folding Shapes <p>Math in Our World</p> <ul style="list-style-type: none"> • Collage Home • Spring Garden • Blanket Squares <p>Same & Different</p> <ul style="list-style-type: none"> • Pizza Party • Colorful Cubes • Rainbow Arrays <p>What Comes Next?</p> <ul style="list-style-type: none"> • Shapes in a Line <p>Which One Doesn't Belong?</p> <ul style="list-style-type: none"> • Colorful Parts • Parts of a Whole <p>Would You Rather?</p> <ul style="list-style-type: none"> • Sandcastle Buckets 	N/A	<p>6A Last Shape Wins</p> <ul style="list-style-type: none"> • Guides & Instructions • Record Sheets & Game Boards • Student Work Place • Sentence Frames <p>6B Find the Area</p> <ul style="list-style-type: none"> • Guides & Instructions • Record Sheets • Student Work Place • Sentence Frames <p>6C Make the Area</p> <ul style="list-style-type: none"> • Guides & Instructions • Record Sheets • Student Work Place • Sentence Frames <p>6D Fill For Less</p> <ul style="list-style-type: none"> • Guides & Instructions • Record Sheets • Student Work Place • Sentence Frames <p>6E Halves & Half-Not</p> <ul style="list-style-type: none"> • Guides & Instructions • Record Sheets • Student Work Place • Sentence Frames

Unit 8: Measurement, Data & Multi-Digit Computation with Marble Rolls

This unit provides a review of place value and 3-digit computation in Module 1. Modules 2, 3, and 4 focus on data collection and analysis. In Module 2, students are introduced to a project in which they make cardboard ramps of different kinds to investigate some of the factors that cause marbles to roll farther and faster. After their initial explorations, students conduct formal experiments to test several different variables. In the process, they generate data by measuring marble roll distances multiple times, pool their data, and enter it on line plots to better see, understand, and analyze how manipulating the different variables affects the outcomes. The unit concludes with student-conducted surveys, in which students generate questions on topics of their choosing, gather, organize, and analyze the data, and share their findings with others.

Throughout the unit, students apply important skills and concepts from their grade-level work, including the following major areas of focus:

- **2.NBT.4** Compare pairs of 3-digit numbers, based on an understanding of what the digits in their hundreds, tens, and ones places represent and use $>$, $=$, and $<$ symbols to record comparisons of two 3-digit numbers
- **2.NBT.7** Use strategies based on place value, properties of operations, or the relationship between addition and subtraction to add and subtract with sums and minuends to 1000
- **2.MD.1** Measure the length of an object in inches using rulers, yardsticks, and measuring tapes
- **2.MD.9** Generate data by measuring the length of an object to the nearest whole unit multiple times
geometric measurement: understand concepts of volume and relate volume to multiplication and to addition