

Implementation Guide



ORIGO.

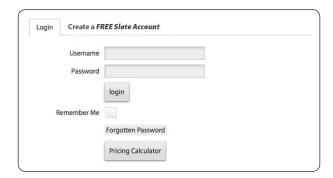
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Getting Started – Logging In

To access Stepping Stones you must have a Slate account.

If you have a Slate account go to *origoslate.com* (you might like to bookmark this web address). Enter your username and password in the fields provided and click login. If appropriate, check the remember me box.





Record your username and password here.

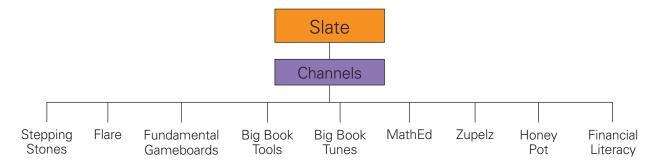
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Password:



Getting Started - Slate vs. Stepping Stones

Slate is ORIGO Education's digital hub that contains ORIGO's online resources. Some of these resources are free and some are available through a subscription. Stepping Stones is a core mathematics program. You can find this channel with ORIGO's other digital products under the Channels tab in the Slate menu.



One of the greatest benefits of a digital delivery platform is the ease in which ORIGO can immediately update our channels. Keeping you abreast of the latest improvements and/or alterations is paramount.

Best practice would be to always access the content online through Slate guaranteeing that you have the latest version. Therefore any storage of content as hard copies outside of Slate may be fruitless and quickly outdated. Storing or copying content digitally/electronically (screen shots, saving to harddrives, etc.) is in breach of copyright laws and the terms and conditions that each subscriber agrees to upon signing up for a Slate account. The copyright statement for Stepping Stones is reproduced here for your information. A copy of this statement appears on the Stepping Stones home page and on the inside cover of the student books.

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Welcome and Overview - Slate Interface

Once you have logged in, the Slate interface will load.



Slate interface

- Channels access to all the online resources
- History see your most recent content views
- Glossary search for common math terms
- Account manage your account and subscriptions
- Resource Tab access specific files that relate to the current page

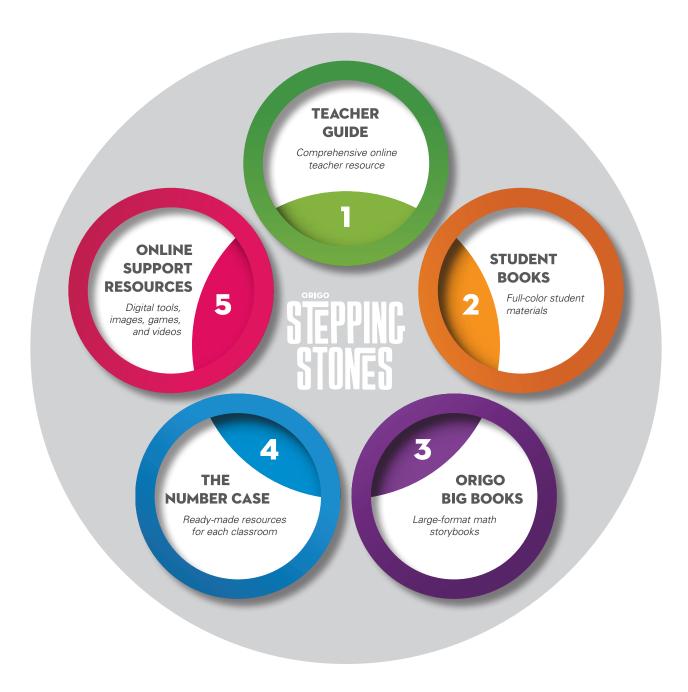
- Favorites quick links to your most used online resources
- Playlists access your customized sequenced content here
- Support get help from a variety of sources
- Logout finish your Slate session
- Tools print, change the view size, or add notes to the current page

Vrite your answer here.			



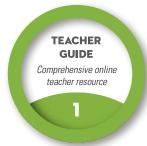
Welcome and Overview

ORIGO Stepping Stones is a world class core math program written and developed for elementary schools.



Create a classroom where math makes more sense with Stepping Stones. For the first time, a core program provides access to all online content from all grades, giving teachers the confidence and knowledge to successfully accommodate mixed abilities in the classroom.

Welcome and Overview



Stepping Stones is delivered online to give teachers one central location to access all their lesson plans, student activity pages, and teaching tools. Each license gives instant access to all content for Grades K-5.



The student books that accompany the online program are available in both print and as a digital app for most tablet devices. The student journals provide stepped-out lessons where concepts from the online program are broken into manageable sections. Ongoing practice pages are also provided in each grade's practice book.



ORIGO Big Books are large-format storybooks designed for classroom use. This series helps teachers introduce key mathematical concepts in Grades K-2. There are 12 Big Books titles written into lessons in each of these grades.



The Number Case gives teachers ready-made resources to help students develop an understanding of number and operations. Some of these materials may be well known. Other visual models that develop thinking strategies for computation are unique to ORIGO.



ORIGO Stepping Stones gives you instant access to ORIGO's online support resources. Lessons contain quick links to ready-to-use digital tools, games, and images so you can start teaching immediately. Links to professional learning videos appear in each module.



Navigating Lessons – Breadcrumb

Stepping Stones gives you access to all grade level content from K through 5. Each grade level is comprised of 12 modules. For Grades 1 through 5 there are 12 lessons in each module. Grade K has six lessons per module.

Grades 1-5

To navigate to a lesson, click on start, then select the grade, then select the module, then select the lesson, then select steps. The breadcrumb (pictured) shows the pathway to the lessons.



Grades K

To navigate to a lesson, click on start, then select the grade, then select the module, then select the lesson, then select whole class.



Included with the whole class lessons are two related small group activities. To access these activities, select small group (1 or 2) after you have selected the lesson.





Navigate to Grade 2, Module 11, Lesson 10.

Terms:

Breadcrumb Navigational aid that allows users to keep track of their path.



2.2 Navigating Lessons

Lesson Steps and Features

Navigating Lessons – Lesson Steps and Features

Relating Multiplication and Division (Sharing)



In this lesson, students demonstrate that multiplication is the inverse of division by relating the twos number facts for multiplication and division.

step 1 preparing the lesson

- ORIGO Big Book, The Pirates' Gold
- . interactive whiteboard (Note: Use physical resources if not available.)
- · 24 yellow counters or plastic bottle tops . 2 empty egg cartons (with lids removed) that each hold 12 eggs
- Each pair of students will need:
- . sharing mat for 2 from The Number Case

Each student will need

- Student Journal 11.10
- sharing mat for 2 from The Number Case
- 40 counters



step 2 starting the lesson

Show the students the cover of the book, The Pirates' Gold, and read the title. Ask the students to share what they think the story might be about. Read the story without discuss Afterward, ask, What is happening in the story? What is happening in each picture? Encourage students to explain that an increasing number of pirates are coming to shore and expecting to share the 24 pieces of gold.

step 3 teaching the lesson

- . Act out the story by placing the 24 counters into the egg cartons. Place the cartons side by side where all the students can see them. Read the story again and have students act the part of the pirates coming to shore. The remaining students can identify the pieces of gold in each pirate's share. As the story progresses, ask, What do you notice about the pieces of gold in each pirate's share? What happens as more pirates come to shore? Bring out the fact that as the number of pirates increases, the pieces of gold in each pirate's share decreases.
- Discuss pages 8-9 of the story. Organize the students into pairs and distribute the sharing mats and counters. Open the Flare Mats and Manipulatives teaching tool and have the students place counters on their mats to match the model. Ask, What is shown in each oup? (12 counters.) How many will there be in the large section after we move all of the cubes to it? How do you know? Invite students to make predictions and explain their thinking. Then have them move their counters to confirm the number.
- Show 16 counters in the large section of the mat. Have the students place counters on their mats to match. Ask. How many counters will be in each small section when we share these 16 counters back to the groups? Invite individuals to make predictions and explain their thinking. Then have the students move the counters to check.
- Flip the mat diagram so that the large section is at the top to suggest sharing. Have the students position their mats to match. Repeat the activity with 14 counters in the large section and then 9 counters in each small section
- Project the Step In discussion and work through the questions with the whole class. Read the Step Up and Step Ahead instructions from Student Journal 11.10 with the students Distribute copies of the support page and counters so that each student has a sharing mat and 40 counters. Make sure they know what to do and then have them work independently to complete the task.

step 4 reflecting on the work

Discuss the students' answers to Student Journal 11.10. Discuss Question 1 and ask the students to describe what each numeral in each sentence means. Bring out the fact that in the sentence on the left the focus is on multiplication: the 2 tells how many groups there are, the 5 tells how many pieces of gold are in each group, and the 10 tells how many pieces of gold there are in total. Highlight how the sentence on the right has all the same information but in a different order. For Question 2, invite individuals to describe the thinking they used to figure out the total or the number in each group for those examples where they did not need to mov the cubes.

Teacher Guide Grade 2 Module 11 Lesson 10



Create a **Sticky Note**.

S

Correlates lessons to other state standards



Identifies the learning that may be observed

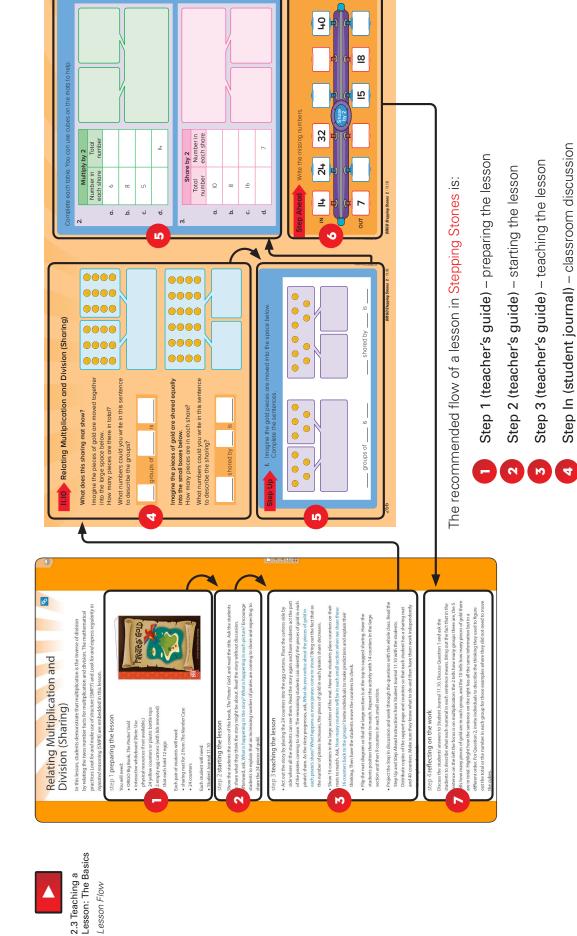


Identifies the learning that is evidenced by students' work samples



Provides suggestions on how to support English language learners during the lesson

Teaching a Lesson: The Basics – Lesson Flow



Step Up (student journal) – appropriate work for the individual

TU.

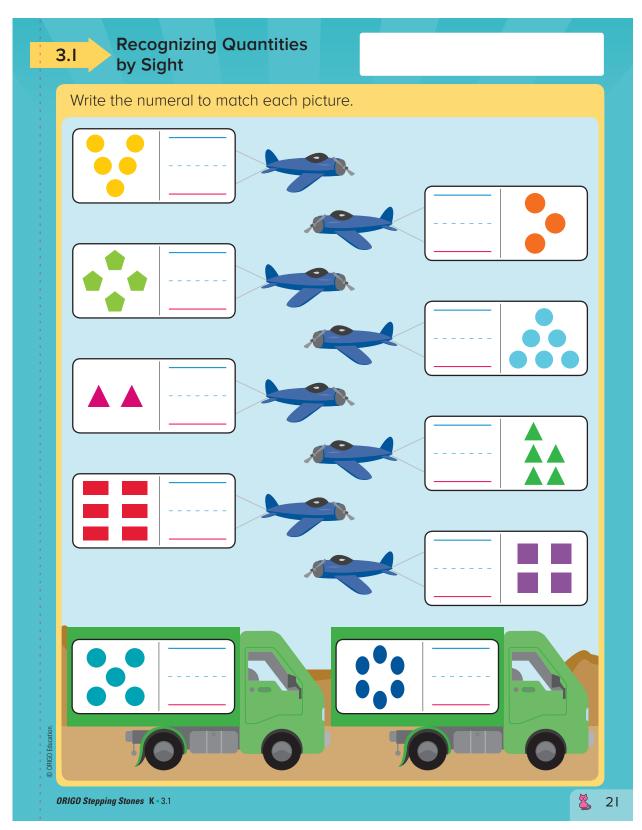
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Step Ahead (student journal) - higher order thinking task

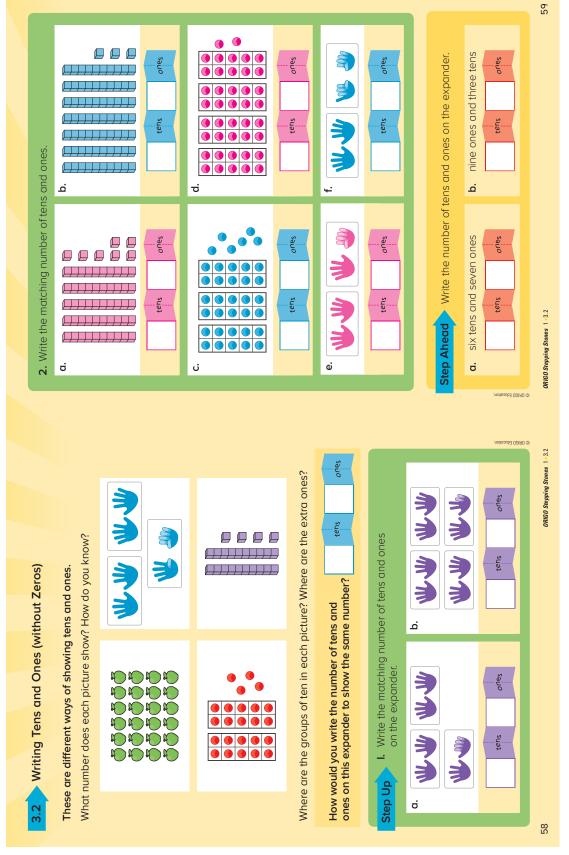
Step 4 (teacher's guide) - reflecting on the work



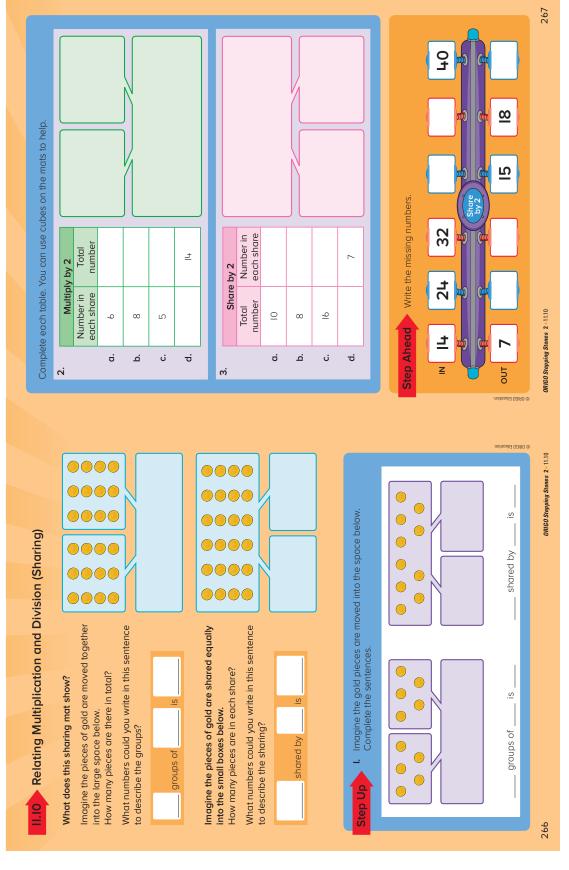
Find the **Student Journal** page(s) for your grade level and navigate to the associated lesson. Then skim through the lesson and consider how the **Student Journal** fits within the lesson notes.



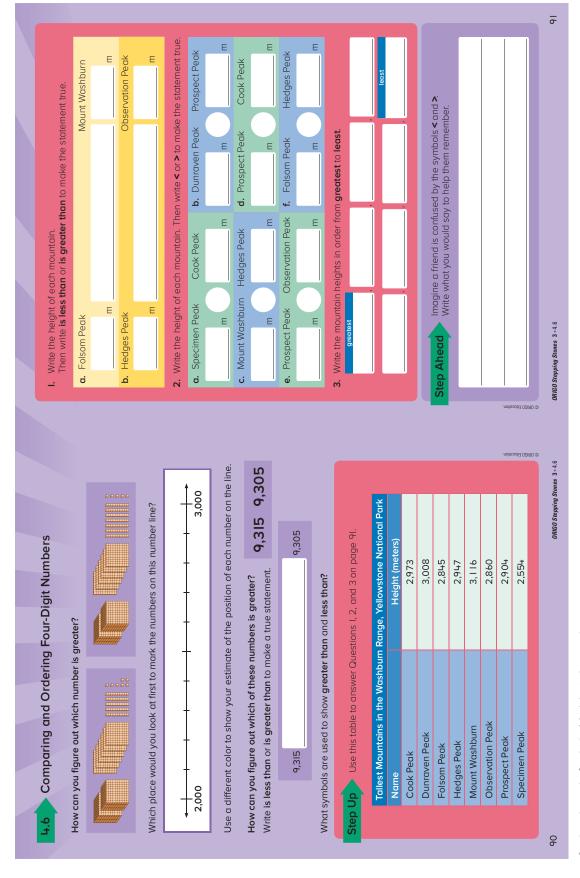
Student Journal Grade K Module 3 Lesson 1



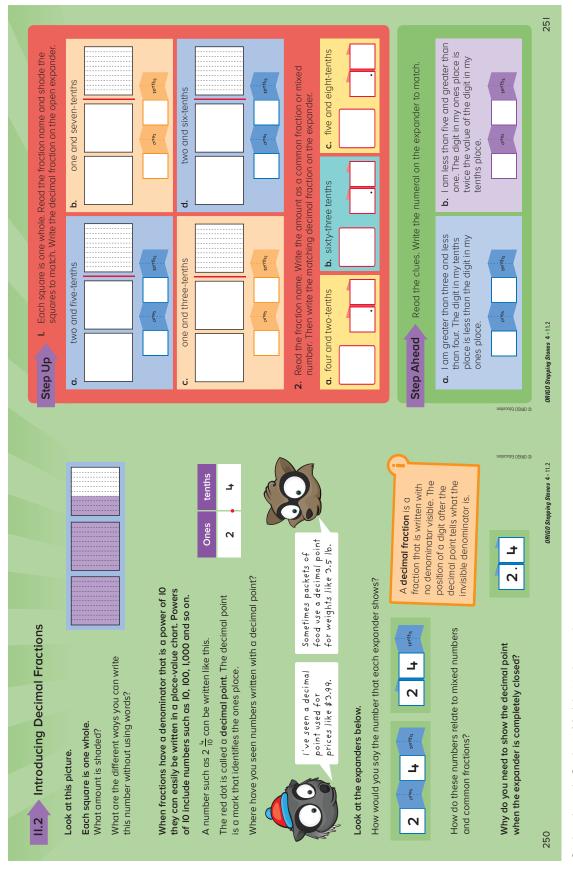
Grade 1 Module 3 Lesson 2 Student Journal



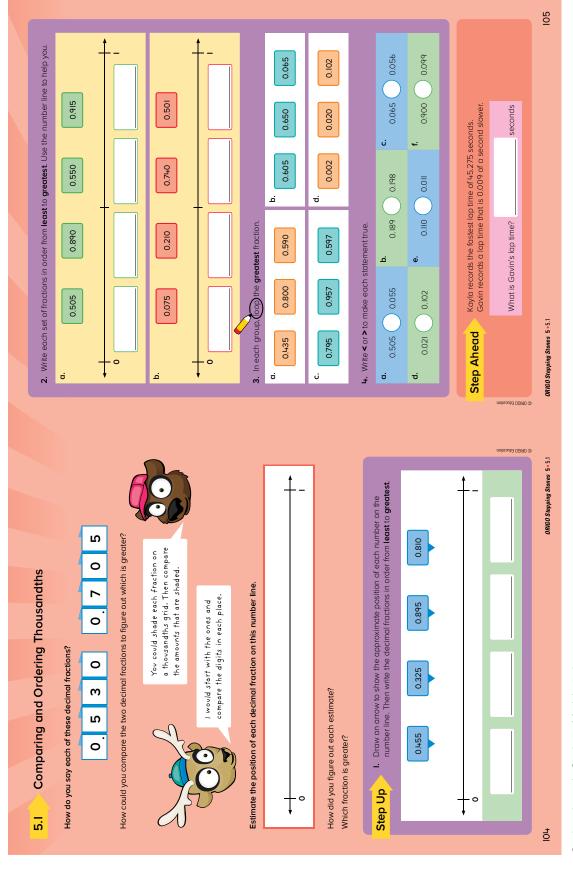
Student Journal Grade 2 Module 11 Lesson 10



Student Journal Grade 3 Module 4 Lesson 6



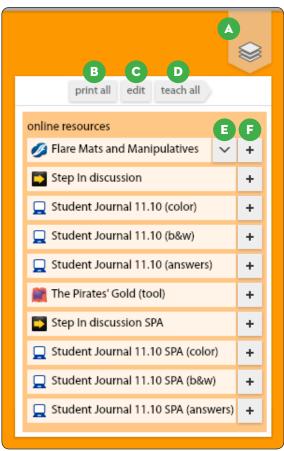
Student Journal Grade 4 Module 11 Lesson 2



Student Journal Grade 5 Module 5 Lesson 1

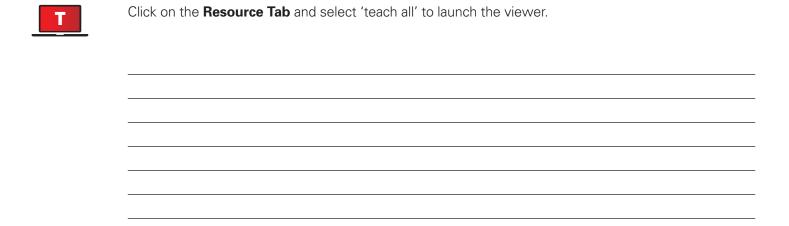


Teaching a Lesson: The Basics – Resource Tab



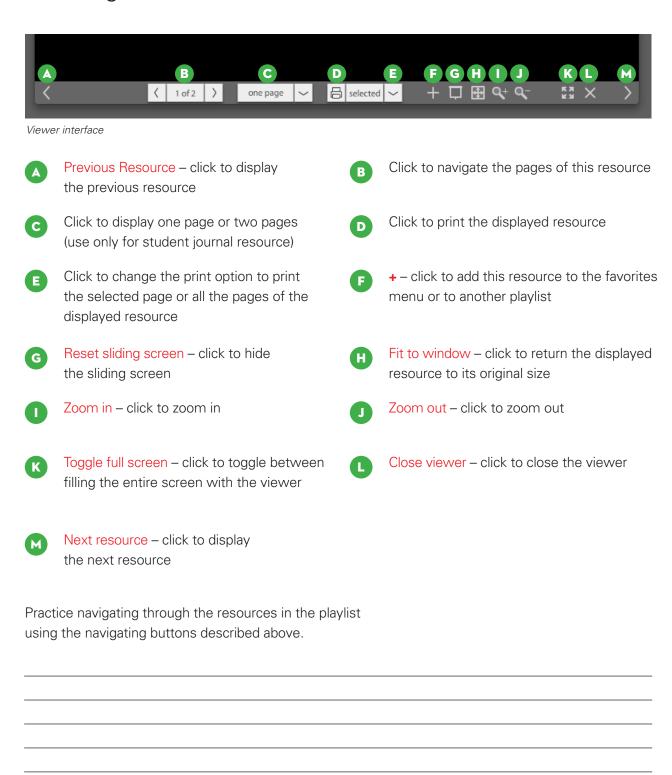
- Resource Tab click to access the playlist for the lesson
- Print all click to print all of the digital resources in the playlist
- Edit click to edit the playlist
- Teach all click to launch the viewer and start teaching
- Arrow click to view an option for this resource
- + click to add this resource to the favorites menu or to another playlist

Resource Tab



Terms: Resource Tab The access point for the collection of digital resources required for the lesson. A sequence of digital tools that you can project for your students to view Playlist as you teach a lesson. Viewer The display mode that projects the digital tools in the playlist.

Teaching a Lesson: The Basics - Viewer





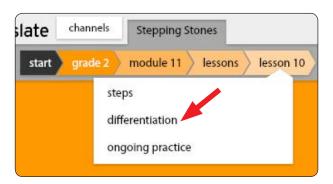
Teaching a Lesson: The Basics - Differentiation

Stepping Stones includes two or three differentiation activities for each lesson.

These activities are intended to provide support to students at 3 levels.

- Extra help for students who need additional support learning the concepts or skills taught in the lesson. This often involves an activity that reinforces a prerequisite understanding or skill.
- Extra practice for students who would benefit from additional practice to solidify the concepts or skills taught within the lesson.
- Extra challenge for students who are ready to deepen their understanding of a concept or to extend the skills they have developed within the lesson.

To view these differentiation activities select differentiation from the current lesson menu.





Click on the Differentiation tab and browse through
he activities associated with this lesson.



Teaching a Lesson: The Basics - Ongoing Practice

Ongoing practice is an essential element to the scope and sequence of Stepping Stones.

To view the ongoing practice select ongoing practice from the current lesson menu.



Ongoing Practice Framework – Kindergarten

	Developing Fluency – Counting, Subitizing, or Basic Facts	Maintaining Concepts and Skills	Numeral Writing* and Written Computation Practice**
Lesson 1	•	•	
Lesson 2		•	•
Lesson 3	•	•	
Lesson 4		•	•
Lesson 5	•	•	
Lesson 6		•	•

* Modules 2 - 8

** Modules 9 - 12

In kindergarten, every lesson has one or two ongoing practice pages that provide essential practice of skills such as the writing of numerals. In the later modules, these pages also provide practice for number facts.

In Lessons 1, 3, and 5 there are additional projectable tools specifically designed to develop fluency of counting and subitizing. In the later modules these also include basic fact practice. Use the Resources Tab to project or print these pages.

Click on the **Ongoing Practice** tab and browse through the ongoing practice pages or projectable



tools associated with this lesson. Be sure to pick a lesson from each of the columns shown in the above table to see how the ongoing practice os different for each category.



Teaching a Lesson: The Basics – Ongoing Practice

Ongoing Practice Framework - Grades 1-5

	Developing Fluency of Basic Facts	Maintaining Concepts and Skills	Written Computation Practice
Lesson 1	•		
Lesson 2		•	
Lesson 3			•
Lesson 4		•	
Lesson 5	•		
Lesson 6		•	
Lesson 7			•
Lesson 8		•	
Lesson 9	•		
Lesson 10		•	
Lesson 11			•
Lesson 12		•	

In lessons 1, 5 and 9, Stepping Stones provides a projectable tool specifically designed to develop and maintain fact fluency for the four operations. This tool is provided right through Grade 5, even though students are expected to be fluent in all facts before then. The Resources Tab provides a list of facts that can be read or projected by the teacher. You get to control the duration in which the students can solve each fact.

For the even numbered lessons 2, 4, 6, 8, 10 and 12, the ongoing practice helps students maintain previously learned concepts and skills. Stepping Stones provides one practice page that incorporates questions that revisit content from three previous modules or lessons.

Generally, Question 1 comes from a previous module of work. Early in the school year, this content is found in the previous year's work. Question 2 comes from the previous module and Question 3 comes from the current module. Simply roll over the question to see the related module and lesson.

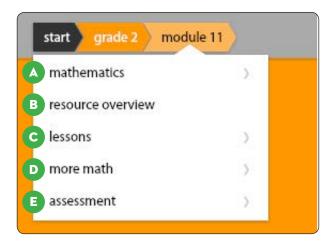
In lessons 3, 7 and 11, the ongoing practice provides written reinforcement and practice of mental computation strategies the students have been learning. Roll over the page to reveal the focus of the content.



Click on the Ungoing Practice tab and browse through the ongoing practice pages or projectable
tools associated with this lesson. Be sure to pick a lesson from each of the columns shown in the
above table to see how the ongoing practice os different for each category.



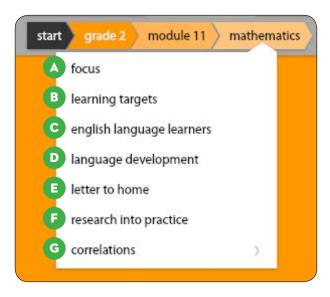
Planning a Module - Module Contents



- Mathematical background, learning targets, research, and other resources
- A list of all physical resources required В to teach the module
- Lesson plans, differentiation and ongoing practice
- Investigations, problem solving D activities, supplemental activities, and cross-curricula links
- Multiple methods to assess E understanding and skills

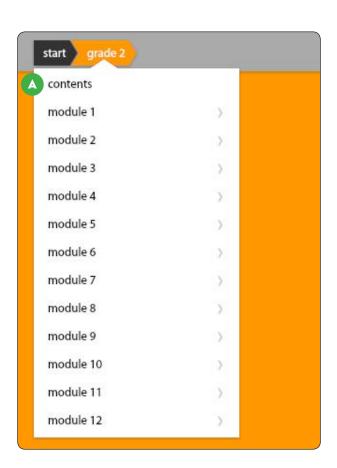


Planning a Module - Mathematics Tab



- The mathematical background of the module with related professional learning videos
- What will be assessed in the module
- Provides suggestions on how to support C English language learners during the module
- D The mathematical vocabulary
- A letter for parents or guardians about the module content
- See how the module reflects best practices
- Correlates lessons to state standards

Planning a Module - Module Lessons



Provides an overview of the lessons found in each module

Stepping Stones gives you access to all grade level content from K through 5. Each grade level is comprised of 12 modules. For Grades 1 through 5 there are 12 lessons in each module. Grade K has six lessons per module.

Grade 2 • Module 11 Contents

LESSON NUMBER	LESSON TITLE
11.1	Extending the Count-Back Strategy to Three-Digit Numbers
II.2	Using Place Value to Subtract Two-Digit Numbers from Three-Digit Numbers
II.3	Using Place Value to Subtract Three-Digit Numbers
11.4	Consolidating Subtraction of Two- and Three-Digit Numbers
II.5	Using a Place-Value Strategy to Subtract Three-Digit Numbers
II.6	Using a Place-Value Strategy to Solve Subtraction Problems
11.7	Introducing the Multiplication Symbol (×)
II.8	Using Multiplication (Equal Groups)
11.9	Using Division Language (Sharing)
11.10	Relating Multiplication and Division (Sharing)
11.11	Using Division Language (Grouping)
11.12	Relating Multiplication and Division (Grouping)

Planning a Module – *Module Lessons*

Grade K • Module 1 Contents

LESSON NUMBER	LESSON TITLE
1.1	Creating Groups of Objects
1.2	Creating Groups to Match Pictures
1.3	Creating Groups to Match Numerals
1.4	Creating Groups to Match Numerals and Number Names
1.5	Showing the Sorting
1.6	Sorting in Many Ways

Grade 1 • Module 1 Contents

LESSON NUMBER	LESSON TITLE
1.1	Identifying Quantities I to 6
1.2	Identifying Quantities I to IO
1.3	Writing Numerals 0 to 9
1.4	Matching Representations of I to IO
1.5	Recognizing Quantities by Sight
1.6	Analyzing Teen Numbers
1.7	Representing Teen Numbers
1.8	Comparing and Ordering Two-Digit Numbers
1.9	Comparing Teen Numbers
1.10	Ordering I to 19
1.11	Reading Ordinal Number Names
1.12	Matching Ordinal Number Names and Symbols

Planning a Module – *Module Lessons*

Grade 2 • Module 1 Contents

LESSON NUMBER	LESSON TITLE
1.1	Writing Tens and Ones, and Number Names
1.2	Writing Two-Digit Numbers
1.3	Reading and Writing Two-Digit Numbers
1.4	Exploring the Relative Position of Two-Digit Numbers on a Number Track
1.5	Exploring the Relative Position of Two-Digit Numbers on a Number Line
1.6	Working with Two-Digit Numbers on a Number Line
1.7	Comparing Two-Digit Numbers on a Number Line
1.8	Comparing and Ordering Two-Digit Numbers
1.9	Exploring the Properties of Odd and Even Numbers
1.10	Solving Number Puzzles on a Hundred Chart
1.11	Sorting Data in Different Ways
1.12	Interpreting and Constructing One-to-One Picture Graphs

Grade 3 • Module 1 Contents

LESSON NUMBER	LESSON TITLE
1.1	Using Place Value with Three-Digit Numbers
1.2	Writing Three-Digit Numbers in Words
1.3	Comparing and Ordering Three-Digit Numbers
1.4	Rounding Three-Digit Whole Numbers
1.5	Reviewing Multiplication Concepts
1.6	Reviewing the Array Model of Multiplication
1.7	Introducing the Tens Multiplication Facts
1.8	Introducing the Fives Multiplication Facts
1.9	Reinforcing the Tens and Fives Multiplication Facts
1.10	Introducing Gallons
1.11	Working with Parts of a Liter
1.12	Solving Word Problems Involving Liquid Volume (Capacity)

Planning a Module – *Module Lessons*

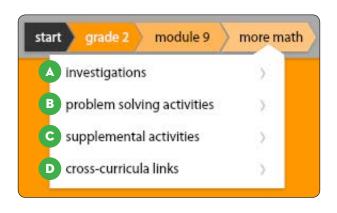
Grade 4 • Module 1 Contents

LESSON NUMBER	LESSON TITLE
1.1	Reading and Writing Four-Digit Numbers
1.2	Analyzing Four-Digit Numbers
1.3	Comparing and Ordering Four-Digit Numbers
1,4	Building a Picture of Ten Thousand
1.5	Reading and Writing Five-Digit Numbers
1.6	Analyzing Five-Digit Numbers
1.7	Comparing and Ordering Five-Digit Numbers
1.8	Rounding Five-Digit Numbers
1.9	Reinforcing Rounding with Five-Digit Numbers
1.10	Investigating Square Number Patterns
1.11	Following and Identifying Pattern Rules
1.12	Writing Word Rules for Patterns

Grade 5 • Module 1 Contents

LESSON NUMBER	LESSON TITLE							
1.1	Analyzing Six-Digit Numbers							
1.2	Building a Picture of One Million							
1.3	Reading and Writing Seven-Digit Numbers							
1.4	Locating Large Numbers on a Number Line							
1.5	Using Place Value to Compare and Order Seven-Digit Numbers							
1.6	Reading and Writing Eight- and Nine-Digit Numbers							
1.7	Working with Millions Expressed as Fractions							
1.8	Reviewing Multiplication Patterns							
1.9	Reviewing the Double-and-Halve Strategy for Multiplication							
1.10	Factoring to Multiply Two-Digit Numbers							
1.11	Using Partial Products to Multiply (Distributive Property)							
1.12	Comparing Mental Strategies for Multiplication							

Planning a Module – More Math (Grades 1 - 5)*

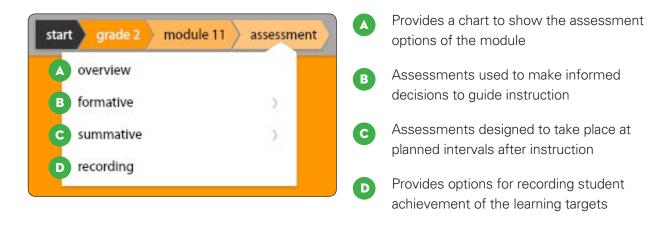


- Poses questions for students to consider
- Provides a situation or context for students to solve
- Provides supplemental activities to meet all of the TEKS required for the grade level
- Provides activities that link D to other content areas

Supplemental activities are not available for every module.

* More Math is not available for Kindergarten. Two small group activities are provided for each lesson as an alternative.

Assessment: The Basics - Overview



Quarterly tests can be selected from the Assessment Tab in modules 3, 6, 9, and 12 for each grade.

Grade 2 • Module 11 Assessment Overview

			FORMATIVE		SUMMATIVE				
STANDARD	LEARNING TARGET	PRE-TEST	OBSERVATION/ DISCUSSION	JOURNAL/ PORTFOLIO	CHECK-UP	PERFORMANCE TASK	INTERVIEW		
NUMBER AND	OPERATIONS								
2.4.A	Fluently add for totals within 20 (beyond the facts)	•					•		
2.4.C	Use a strategy (place-value) to subtract any number from three- digit totals (without bridging)	•	•	•	•				
2.4.0	Use a strategy (count-on and count- back) to subtract any number from three-digit totals (without bridging)	•	•	•	•	•			
2.6.B	Represent division (grouping model) using concrete materials, pictures, and sentences	•	•	•	•	•			
3.4.E	Represent multiplication using concrete materials, pictures, and equations	•	•	•	•				
3.4.H	Represent division (sharing model) using concrete materials, pictures, and sentences	•	•	•	•	•			

> (Standard): Working toward the standard

(Standard) >: Working beyond the standard

Terms:	
Loarning Target	Describes what students should be able to do at the end of the teaching and
Learning Target	learning sequence

Assessment: The Basics – Formative Assessments

Formative Assessments are used to make informed decisions to guide instruction. These decisions could range from reviewing content, reteaching concepts, or providing additional work for students who require extra assistance or challenges. Formative assessment can occur informally during lessons with observations of students working and their discourse, or formally with written instruments such as pre-tests or journal entries. Stepping Stones includes three different options for formative assessment.

- Pre-tests an optional assessment component of Stepping Stones designed to inform teachers on what students already know and still need to learn before instruction begins.
- Observations and discussions provides suggestions for teachers on which lessons and activities are better suited to observe how students' understanding of concepts and skills are developing.
- Journals and portfolios provides suggestions for teachers on which lessons and activities are better suited for generating work samples as evidence of the learning that has occurred.



Roll over this icon in lessons and activities to identify the learning that may be observed.

STANDARD	LESSON	STEP IN DISCUSSION	WHAT TO LOOK FOR				
2.4.C	II.2, II.3, II.4, II.5, II.6 (all: subtract)	II.2, II.3, II.4, II.5, II.6 (all: subtract)	Can the student add and subtract within I,000 using concrete models, and a variety of strategies?				
2.6.B 3.4.H	11.9, 11.11	11.9, 11.11	Can the student interpret a division fact as a number of objects in a number of shares?				
3.4.E	II.8	II.8	Can the student interpret a multiplication fact as a number of objects in a number of groups?				



Roll over this icon in lessons and activities to identify the learning that is evidenced by students' work samples.

STANDARD	STUDENT JOURNAL	PROBLEM SOLVING	INVESTIGATION	LEARNING		
2.4.C	II.3, II.6 (all: subtract)		11.1	Can the student add and subtract within 100 using concrete models, and a variety of strategies?		
2.6.B 3.4.H	11.9		II.3	Can the student interpret a division fact as a number of objects in a number of shares?		
3.4.E	II.8	II.8		Can the student interpret a multiplication fact as a number of objects in a number of groups?		

Assessment: The Basics – Summative Assessments

Summative Assessment generally takes place at planned intervals after instruction. It is used to sum up what students know, and then using data generated by these assessments, teachers are able to assign grades or percentages for student performance. Summative assessments are mostly formal by nature and should be linked to pre-assessments. If used wisely, summative assessment can also serve a formative role to modify future instruction. Stepping Stones includes three different options for summative assessment.

- Check-ups provides questions that require the student to select the correct answer or to provide a short written response.
- Performance tasks used to measure depth of understanding. A rubric accompanies each performance task.
- Interviews used to assess certain concepts and skills such as the fluency of rote counting or metal computation.

Assessment: The Basics – Recording

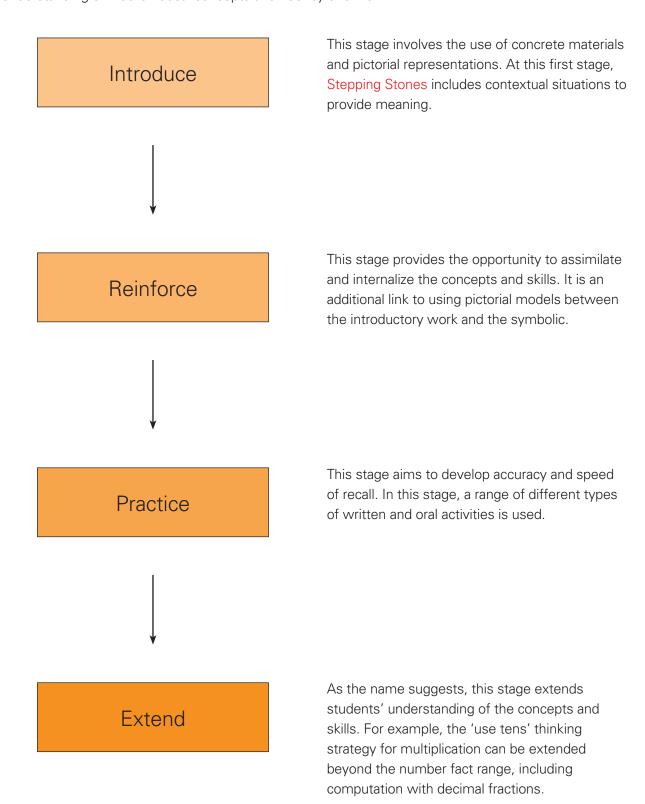
Stepping Stones provides multiple options for recording student achievement of the learning targets. The options allow teachers to record student achievement during a module, over several modules, or over the course of an entire year.

Go to the recording page of Module 1 to download a Microsoft Excel® recording spreadsheet to record student achievement over the course of the year.

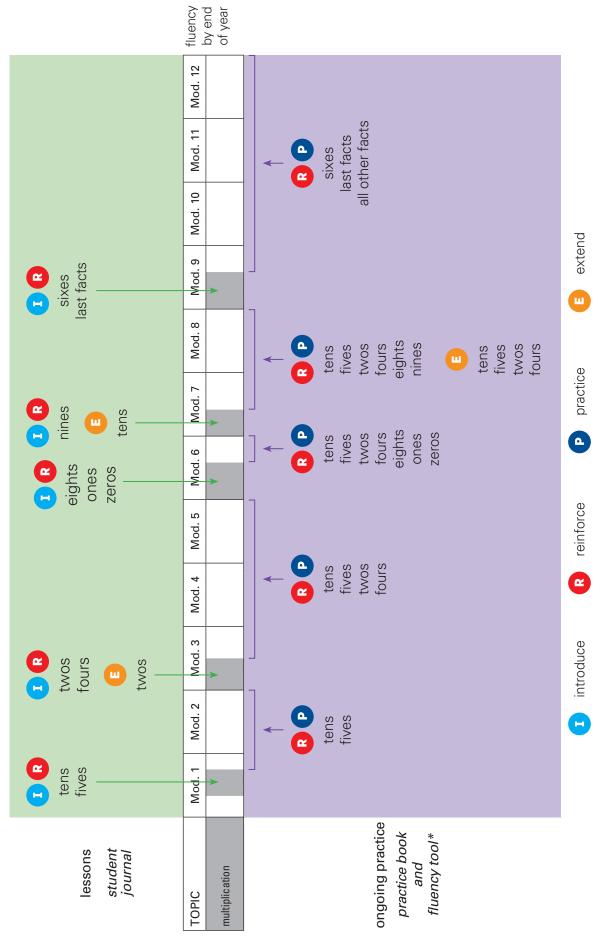


Stepping Stones Structure - Teaching Sequence

Stepping Stones embeds a unique teaching sequence for helping students develop deep understanding of mathematical concepts and fluency of skills.



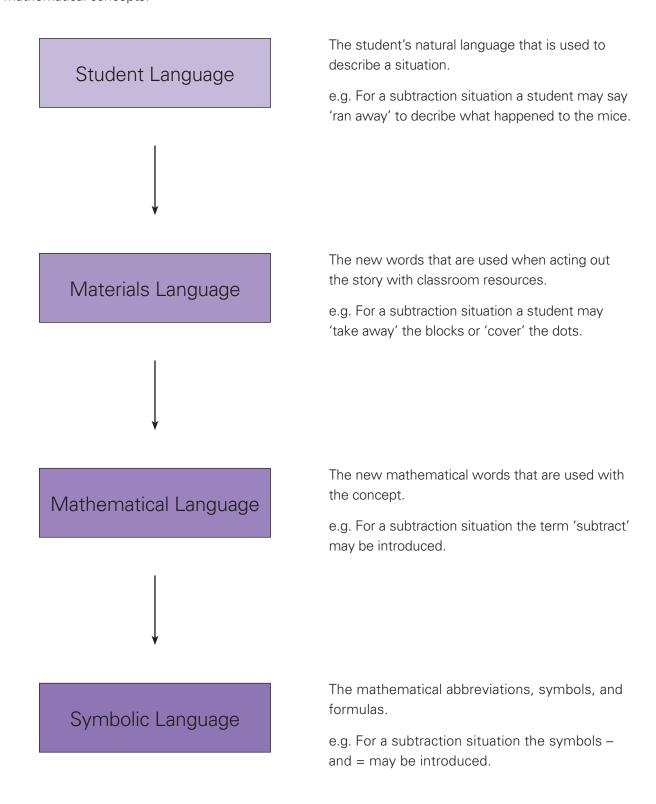
Stepping Stones Structure - Teaching Sequence



* The fluency tool should be used throughout the year

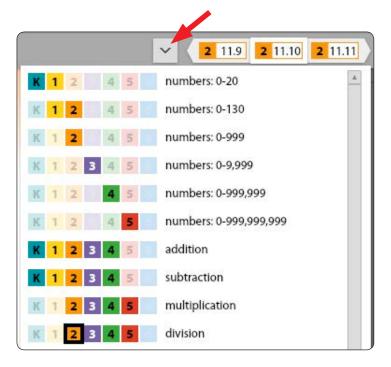
Stepping Stones Structure – Language Stages

Stepping Stones also embeds a developmental sequence for teaching the language associated with mathematical concepts.



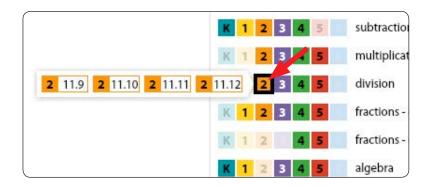
Stepping Stones Structure - Sequence Navigator

Click the v button to show the topics.



Hover over the highlighted grade to reveal the lessons that cover a particular topic.

Clicking on the lesson takes you to the lesson notes page for that lesson.





- Click here to go to the previous lesson in the topic sequence
- Shows the current lesson В Click here to reveal the lesson notes
- Click here to to go to the next lesson C in the topic sequence

Terms:

Sequence Navigator

Allows quick access to the mathemtical topics covered within Stepping Stones

Stepping Stones Structure – *Topic Overview*

Grade K

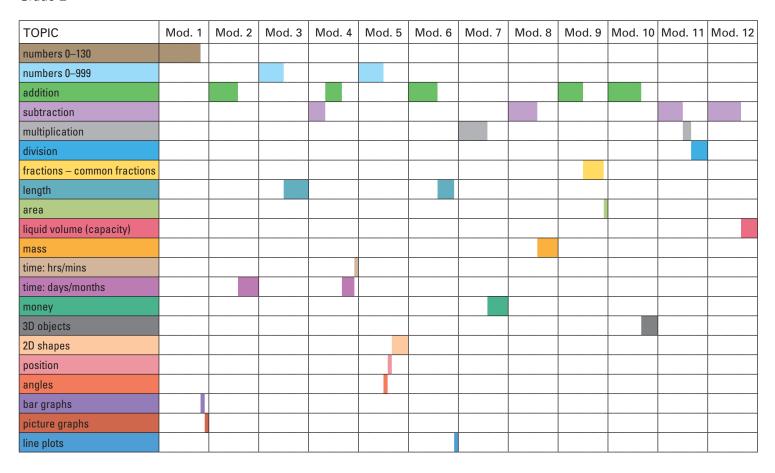
TOPIC	Mod.	. 1	Mod. 2	Mod. 3	Mod	d. 4	Mod. 5	Mod. 6	Mod. 7	Mod. 8	Mod. 9	Mod.	10	Mod. 1	1 N	√lod	. 12
numbers 0–20																	
addition																	
subtraction																	
algebra																	
length																	
mass																	
time: hrs/mins																	
time: days/months																	
3D objects																	
2D shapes																	
position																	
tables																	

Grade 1

TOPIC	Mod. 1	Mod. 2	Mod. 3	Mod. 4	Mod. 5	Mod. 6	Mod. 7	Mod. 8	Mod. 9	Mod. 10	Mod. 11	Mod. 12
numbers 0–20												
numbers 0–130												
addition												
subtraction												
fractions – common fractions												
algebra												
length												
liquid volume (capacity)												
mass												
time: hrs/mins												
time: days/months												
money												
3D objects												
2D shapes												
position												
bar graphs												
picture graphs												
tables												

Stepping Stones Structure – *Topic Overview*

Grade 2



Grade 3

TOPIC	Mod. 1	Mod. 2	Mod. 3	Mod. 4	Mod. 5	Mod. 6	Mod. 7	Mod. 8	Mod. 9	Mod. 10	Mod. 11	Mod. 12
numbers 0–999												
addition												
subtraction												
multiplication												
division												
fractions – common fractions												
algebra												
area												
perimeter												
liquid volume (capacity)												
mass												
time: hrs/mins												
3D objects												
2D shapes												
angles												
bar graphs												
picture graphs												
line plots												

Stepping Stones Structure – *Topic Overview*

Grade 4

TOPIC	Mod. 1	Mod. 2	Mod. 3	Mod. 4	Mod. 5	Mod. 6	Mod. 7	Mod. 8	Mod. 9	Mod. 10	Mod. 11	Mod. 12
numbers 0-999,999												
addition												
subtraction												
multiplication												
division												
fractions – common fractions												
fractions – decimal fractions												
algebra												
length												
area												
perimeter												
liquid volume (capacity)												
mass												
time: hrs/mins												
2D shapes												
angles												
line plots												

Grade 5

TOPIC	Mod	d. 1	Мо	d. 2	Mod. 3	Mod.	4	Mod. 5	Mod. 6	Mod. 7	Mod. 8	Mod. 9	Mod. 10	Mod. 1	1 Mo	d. 12
numbers 0-999,999,999																
multiplication																
division																
fractions – common fractions																
fractions – decimal fractions																
algebra																
length																
volume																
liquid volume (capacity)																
mass																
2D shapes																
line plots																

Online Resources Overview - Related Resources

ORIGO Stepping Stones gives you instant access to ORIGO's online support resources. Stepping Stones lessons contain quick links to ready-to-use digital tools, games, and images so you can start teaching immediately. Stepping Stones modules have links to professional learning videos.

These online tools are part of the many resources that Stepping Stones provides to help you create a more engaging classroom.

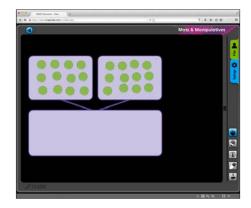
ORIGO MathEd

Stepping Stones gives you hours of online professional learning when it is needed the most. Over 60 short videos are embedded at the start of modules to assist teachers in acquiring the content and pedagogical knowledge they need to be effective.



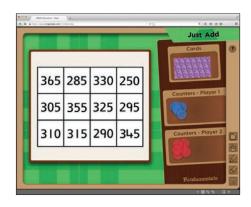
Flare

Although interactive whiteboards are not essential for the implementation of Stepping Stones, various high-quality and flexible tools are embedded in the program and available at a click of a button. Flare are dynamic and flexible interactive whiteboard teaching tools. Currently there are over a dozen tools to choose from.



Fundamental Gameboards

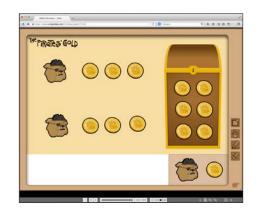
Digital board games for two players allow the teacher to play against the class. Pairs of students can also take turns for further practice or differentiation. These games have simple rules and serve to reinforce and practice thinking strategies. There are over 160 games to choose from.



Online Resources Overview - Related Resources

ORIGO Big Book Tools

The Big Book Teaching Tools bring to life the characters from the ORIGO Big Books series. These engaging and easy-to-use interactive tools allow teachers and students to change the mathematics and further develop the concepts from all 36 titles in the series.



ORIGO Big Book Tunes

Use these engaging Big Book Tunes to really bring your mathematics classroom alive. There are 36 tracks – a song for every title in the storybook series. The Big Book Tunes can be accessed through their own channel or through the Big Book Tools.



Online Resources Overview – Other Resources

Honey Pot

Honey Pot is a free channel on Slate that provides an ever-growing bank of black-line masters covering the full range of elementary math topics.



Zupelz

ZUPELZ develops logical thinking in number through puzzles. This Slate channel has 600 puzzles for Grades 1-6. Teachers have the option to progressively reveal all hints, clues, and answers. The easy-to use interface is suitable for group and independent work.

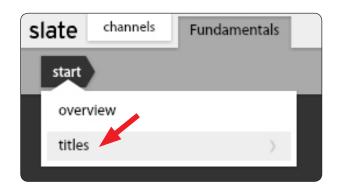


Online Resources Overview - Launching and Filtering

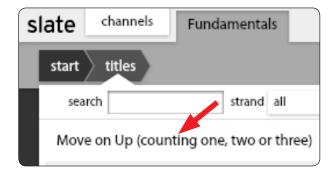
Launching a resource

To launch a digital resource in the viewer, make your selection from the Channels tab. When the resource opens, click start and then titles.

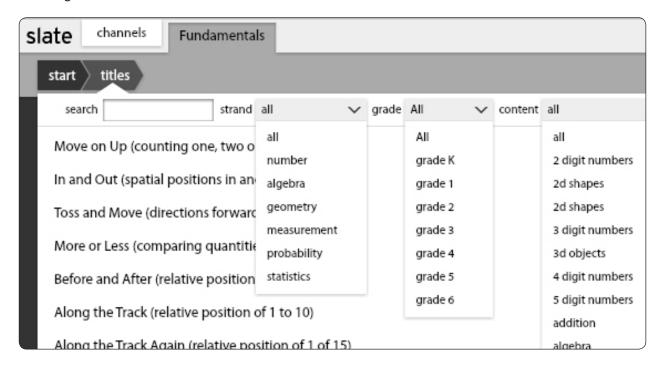
The list of resources available for this Channel is displayed.



To display the resource in the viewer, click on the title and it will launch the viewer.



Filtering online resources



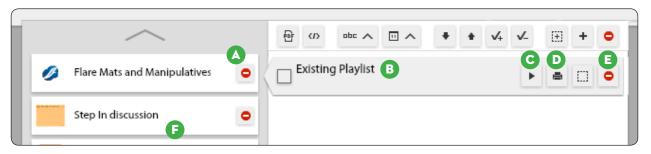
You can filter the list of resources using the filtering menu. You can filter resources by strand, grade, or content, or any combination of the three.

Using Playlists – Editing Existing Playlists

To edit a lesson's playlist, click edit from the top menu of the Resources Tab.



The Playlist Tab interface



- Click to delete the resource from the playlist
- Click to launch the viewer and project the playlist
- Click to delete this playlist

- Playlist title click to rename
- Click to print the playlist
- Move item up or down to change the position in the playlist

Using Playlists - Creating a New Playlist

To create a playlist, click playlists from the top menu in Slate.

Click + from the playlist menu to create a new playlist. Name the playlist by clicking on the title.



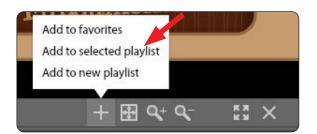
Adding an online resource from a channel

Go to the Channel Tab and choose a resource to add to the playlist. Click on start and select titles. Click + and choose add to selected playlist. As you hover over add to selected playlist the name of the selected playlist appears.



Adding an online resource from the viewer

Go to the Channel Tab and choose a resource to add to the playlist. Click start and select titles. Click on the title to launch it in the viewer. With the viewer open click + in the menu at the bottom of the screen and then select add to selected playlist.



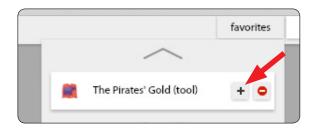
Adding an online resource from another playlist

Go to the Channel Tab and select Stepping Stones. Navigate to a lesson and select steps. Open the Resource Tab. Click + on the online resource you wish to add and then choose add to selected playlist.



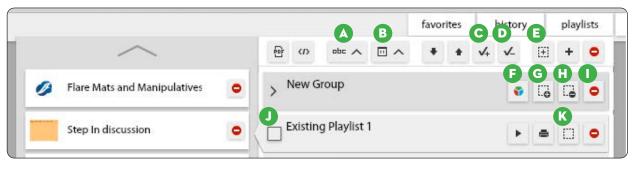
Adding an online resource from the Favorites Tab

If you have added a resource to your Favorites Tab you can add it to a playlist. Select favorites and click + on the online resource you wish to add and then choose add to selected playlist.



Using Playlists - Organizing Playlists

The Playlist Tab interface



В

- Alpha sort click to arrange playlists or groups alphabetically
- groups by creation date

Select all playlists

Deselect all playlists

Create new group

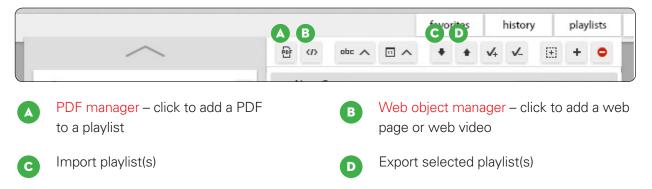
Choose group color - click to assign a color to a group

Date sort – click to arrange playlists or

- Add selected playlists to group
- Remove selected playlists from group
- Delete group (will not delete playlists, only group)
- Check box to select playlist
- Select playlist groups click to select which group to add playlist to

Using Playlists - Advanced Work with Playlists

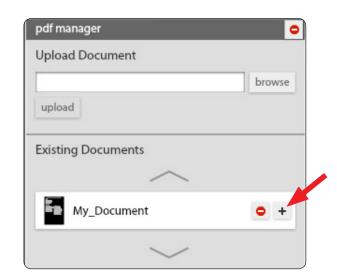
The Playlist Tab interface



Adding a PDF to a playlist

You can add any PDF (not larger than 2 MB) to a playlist that you have permission from the author to use. Click PDF manager to access the PDF manager window. From this window click browse to find the PDF on your desktop and then select upload.

ORIGO will get you to confirm that you have permission to upload this to the PDF manager. Once the document has been uploaded you can add it to a playlist by clicking +. Each Slate user can upload 50 MB of PDFs to the PDF manager.



Importing a playlist

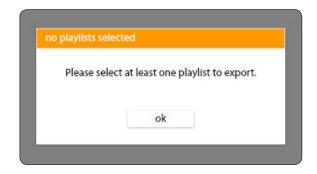
You can import a playlist by selecting import playlist(s) from the Playlist Tab menu. You will then be asked if you would like to add this playlist permanently or on a temporary basis. If you select 'permanent' it will be saved to your Playlist Tab. Selecting 'temporary' will make the playlist available until you log out and finish your Slate session.



Using Playlists - Advanced Work with Playlists

Exporting a playlist

You can export a playlist by selecting export selected playlist(s) from the Playlist Tab menu. You will be asked to check the box of the playlist(s) you wish to export. You will then be prompted for a name and location for this file.



Adding a web object to a playlist

You can add a web page or a web video to a playlist. Click web object manager to access the web object manager window. In the playlist label field create a name for the web object. This will be the label that appears in your playlist. Playlist labels should be at least 6 characters long but no more than 51 characters.

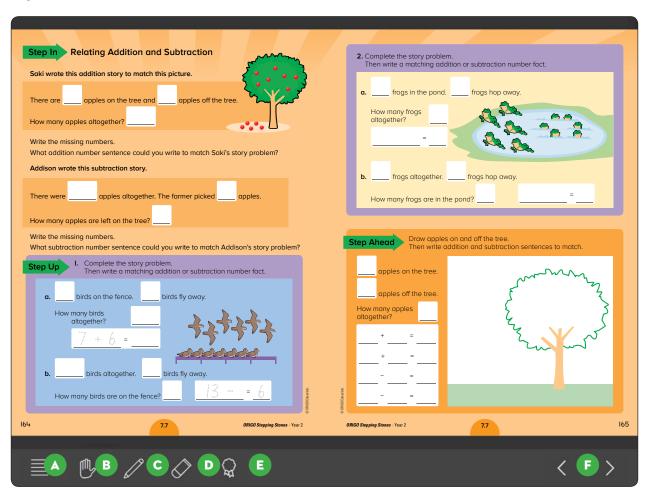
For a website, enter the website URL in the web object snippet field. For a web video, enter the iframe embed tag. Web object snippets should be at least 6 characters long and fewer than 2000 characters. Check the view full screen box if you want the web object to be viewed full screen. Click + to add this web object to a playlist.

If you have added a web page and it is from a different security domain than Slate then it cannot be shown in the viewer. When the time comes to view this resource, you will be notified that this web page will be opened in a new window.



Using Digital Books - Interface

Digital Book interface



- Menu select to access a variety of functions
- Pen select to write on or color the page, hold to change color
- Rewards hold to see a tally of rewards
- Hand select to move the page, В pinch to zoom in and out
- Eraser use to remove pen markings D
- Navigation arrows use to move between double-page spreads

Getting Support and Troubleshooting

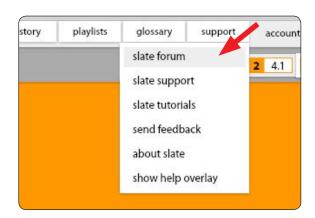
ORIGO Education is committed to supporting teachers using Stepping Stones. There are several options for getting service, support and advice.

For technical support try the following:

- Quick Start Guides these short guides give you easy step-by-step instructions on a variety of issues. Visit www.origoeducation.com/slate-support-faqs/ for access to the guides.
- Implementation Guide keep a copy of this document close by. It is full of technical information handy for any user of Stepping Stones.
- Slate Forum find and share solutions with our community of Stepping Stones users. Access the forum by selecting it from the list under the Support Tab.

Accessing the Forum

Click Support in the top Slate menu bar. Then select forum. If this is your first visit to the forum you will be asked to create a forum alias.



For content support try the following:

- Slate Forum find and share solutions with our community of Stepping Stones users. Access the forum by selecting it from the list under the Support Tab.
- Implementation Guide keep a copy of this document close by. Several chapters are devoted to informing teachers about the structure and approach of Stepping Stones.
- Feedback button if you would like to send feedback to ORIGO, send a message via the feedback button in the Support Tab.