ORIGO **STEPPING STORES 2.0** COMPREHENSIVE MATHEMATICS



DIGITAL TEACHER EDITION QUICKSTART GUIDE



Introduction

ORIGO Stepping Stones 2.0 is an innovative program that integrates print and digital technology to give educators a flexible and balanced mathematics solution. This world-class comprehensive instructional program has been developed for elementary teachers who are implementing college and career-readiness standards.

ORIGO Stepping Stones 2.0 balances the dimensions of rigor by:

- Developing conceptual understanding using a range of powerful visual models.
- Creating rich opportunities for classroom discourse and language development.
- Fostering thinking skills and procedural fluency.
- Providing opportunities to **apply** learning across real problems, open investigations, and enrichment activities.
- Offering multiple methods to assess deep understanding, fluency of skills, and applications of mathematics.

Digital Teacher Edition Quickstart Guide Contents

This guide will quickly get you started using ORIGO *Slate*, our online digital platform. The following pages will navigate you through the *Stepping Stones 2.0* instruction, including the resources and support for differentiation, ongoing practice, and assessment.

Navigating Slate	2
Navigating Stepping Stones 2.0	2
Teaching a Stepping Stones 2.0 Lesson	4
Differentiating Instruction	6
Coherence: Navigating the Stepping Stones 2.0 sequence	6
Maintaining Concepts and Skills	7
Assessment	8

System Requirements

- Slate works best in Google Chrome or Firefox.
- Clear your internet browser history/cache before you login to every *Slate* session. Search your internet browser's help section to find out how.



Digital Teacher Edition Quickstart Guide

Stepping Stones 2.0 is delivered online to give teachers one central location to access all their lesson plans, student activity pages, and teaching tools. Each Digital Teacher Edition gives instant access to all content for Grades K-6. One of the greatest benefits of a digital delivery platform is the ease with which ORIGO Education can immediately update content, offer updates, and/or provide enhancements.

THE ONLINE CONTENT IN STEPPING STONES 2.0 INCLUDES ...

MATHEMATICS

Each module begins with the essential background information you need to get started. Included in each module are:

- mathematical focus
- research into practice
- learning targets
- mathematical practices
- English language learners
- language development
- newsletters for home



[**....**1

All student pages and answers are projectable. Black and white versions of these pages are provided for printing.

ASSESSMENT

Multiple methods to assess understanding and skills are provided. These include:

- pre-tests
- in-class observations
- portfolio samples
- check-ups
- performance tasks (Grades 1-6)
- individual interviews
- quarterly tests

LESSONS

Included in each of the 12 modules are:

- 6 lesson plans, with small group activities (Grade K)
- 12 lesson plans (Grades 1-6)
- steps to teach each lesson
- differentiation activities for three levels (Extra Help, Extra Practice, and Extra Challenge)
- ongoing practice pages to maintain concepts and skills

MORE...

Teachers looking to add to their math instruction can choose from the following:

- investigations (Grades 1-6)
- problem solving activities*
- cross-curricula links
- enrichment activities
- * Starts in Module 5 for Grade K

Login Page

To access Stepping Stones 2.0 you must have a Slate account.

- If you already have a *Slate* account, go to origoslate.com. Enter your username and password in the fields provided and click login. If appropriate, check the Remember Me box.
- 2. To create an account, go to **origoslate.com**, click on **Create a FREE Slate Account** and complete the form.

ogin	Create a FI	REE Slate Account
	Username	
	Password	
		login
R	emember Me	
		Forgotten Password
		Pricing Calculator

Navigating Slate

Once you have logged in, you can select the Stepping Stones 2.0 channel from the drop-down menu.



Navigating Stepping Stones 2.0

Once you have selected the Stepping Stones 2.0 channel you are ready to review the program!



Navigating in a Lesson

Stepping Stones 2.0 contains a number of handy navigation features at your fingertips. The main features are explained below.



Grade 2, Module 2, Lesson 2

Resource Tab

In this tab you can display all digital resources for the lesson by selecting **teach all**, or select the resource individually to display one-by-one. Create your own personalized playlist of resources by clicking the edit button. You can also print the resources for the lesson by selecting the **print** button. Alternatively, to print an individual resource, select that resource, and then **print** from the **viewer**.

See page 5 to learn how to use the viewer.

print all edit teach all	2
online resources – lesson	
Support 29	+
Support 30	+
Jumping Jacks (tool)	+
Step In discussion	+
Student Journal 2.2 (color)	+
Student Journal 2.2 (b&w)	+
Student Journal 2.2 (answers)	+
Support 29 SPA	+
00	

Functions

Sticky note - click to create a quick note that is saved permanently to the page

Zoom in – click to zoom in on the page

Zoom out - click to zoom out on the page

Print – click to print the lesson notes

Full screen – click to toggle between normal and full screen views

STEPPING STONES 20

Teaching a Stepping Stones 2.0 Lesson

To effectively teach using the *Stepping Stones 2.0* program, it is best practice to use the Digital Teacher Edition in conjunction with the student books. A *Stepping Stones 2.0* lesson follows a clear structure.



- d. Step In Provides teachers with guided discussion points that set the scene for the lesson. The Step In can be projected to the class and each point or question can be discussed with the whole class one step at a time. (Grades 1-6)
- e. **Step Up** Provides work for students to complete individually based on the discussion in the Step In. (Grades 1-6)
- f. **Step Ahead** Provides an additional task for students to develop higher-order thinking skills. (Grades 1-6)

 ч6 	ORIGO Stepping Stones - Grado 2 - 2.2	Office Struggling States - Grade 2: 22
b. 4 0	+ + + + + + + + + + + + + + + + + + +	d. 16 15 e. 8 12 f. 17
Step Up I. Draw jumps to show the posion the number line. a. a	+ + + + + + + + + + + + + + + + + + +	 Step Ahead Imagine that you showed each of these numbers on a number line. Color the number in each pair that would be the greater distance from zero. a. 7 b. 9 c. 10
How is it the same as the number track? How Where should we write 0 on the number line? What do you notice about the marks along th What do the marks of different length show? Which mark on the number line shows the sa that is shaded on the number track? How do What is a quick way to find 17 on t	is it different? e number line? How do you know? me number you know? the number line?	3. Write the number that should be shown in each position.
I Image: Second secon	20 + + + + + + + + 20	e. 1 f. 11 g. 7 h. 15
• Step In Look at the number track. What number would you write in the position How do you know?	that is shaded?	a. 5 b. 3 c. 9 d. 18
as lengths from zero		2. Draw a line from each number to its position on the number line

g. **Reflecting on the work** – Provides teachers with discussion points and questions for the class to reflect on what they learned and understood from the lesson.

Teaching a Stepping Stones 2.0 Lesson: The Viewer

Once you have selected a resource from the **Resource Tab**, it will be displayed in the **Viewer**. This can be projected on an interactive or standard whiteboard for whole-class discussion.



Differentiating Instruction

Extra help, practice, and challenge

Differentiation activities are provided in every *Stepping Stones 2.0* lesson. These are often provided at three levels: **Extra Help, Extra Practice**, and **Extra Challenge**.



More Math

Each module in *Stepping Stones 2.0* contains a **More Math** tab. Choose from **Investigations**, **Problem Solving Activities**, **Enrichment**, and **Cross-Curricula** links.

start G	rade 2	Module 2	More math	Investigations	Cont	ents
			Investigati	ions	>	
			Problem s	olving activitie	es >	
			Enrichmer	nt	>	require s nould be
			Cross-curr	icula links	>	tion 3 sh
			1) Investiga	ting	numb

Coherence: Navigating the *Stepping Stones 2.0* sequence

The *Stepping Stones 2.0* sequence navigator allows quick access to mathematical topics. Each Digital Teacher Edition provides access to all content for all grade levels making it easy to jump forward or back by topic to provide coherent instruction for student understanding.



Maintaining Concepts and Skills

Ongoing practice is an essential element of the scope and sequence of *Stepping Stones 2.0*. It is an integral part of the learning experiences students need to have in order to meet the expected standards by the end of the school year.

Projectable Tools

In Grades 1-6, lessons 1, 5, and 9 provide a projectable tool specifically designed to develop and maintain fact fluency for the four operations. This tool is provided through Grade 6, even though students are expected to be fluent in all facts before then.

In Grade K, the projectable tools are specifically designed to develop fluency of counting and subitizing. In the later modules these also include basic fact practice. These tools can be found in lessons 1, 3, and 5.



a. 3 + 2 =	b. 8 - 4 =
c. 10 - 4 =	d = 9 + 3
e. 3 + 7 =	f. 7 - 1 =
g. 10 - 1 =	h = 6 + 7
i. 6 + 9 =	j. 17 - 8 =

Student Journal Pages

In Grades 1-6, the even-numbered lessons 2, 4, 6, 8, 10, and 12 provide two additional Student Journal pages. These pages offer practice to help students maintain previously learned concepts and skills and opportunities to prepare for the upcoming module.

In Grade K, every lesson has one or two 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.





Application of Concepts and Skills

In Grades 1-6, students can apply their knowledge of the concepts and skills they learn by engaging in the Investigations and Problem Solving Activities provided for each module.

In addition to the **Practice Book** pages for each lesson, Grade K offers a review page at the end of each module. The review pages practice two big ideas from the lessons in the module. These activities can be used inside or outside the classroom.

Assessment

Assessment provides teachers with valuable information about student performance. *Stepping Stones 2.0* provides both **formative** and **summative** assessment options as shown below.



Formative Assessment

Formative assessment is used to help teachers make informed decisions to guide instruction. These decisions range from reviewing content and reteaching concepts, to providing additional work for students who require extra assistance or challenges. Formative assessment can occur informally during lessons with observations of students, or formally with written instruments such as journal entries. *Stepping Stones 2.0* includes three different options for formative assessment. Look out for the **eye** and **folder** icons within lessons and activities to help identify what should be observed or where work samples should be generated.

slate	channe	ls Stepp	oing Stones		favorites	history	playlists	glossary	support	account	logout
start	Grade 2	Module 2	Assessment	Formative Observations and discussion	ons			~			
				Pre-test							
			Observ Some less	Observations and discussions	others for providin	a inform	ation rega	rding how			
			students' i best lessor	Journals and portfolios and activities and shows what to loo	eleveloping. The control of the cont	hart pictu	ured below	lists the			
			Select the	file from the resources tab to print thi	s chart. ies to identify the lea	rning tha	it may be c	bserved.			

Pre-test – an optional assessment component designed to inform you of what students already know and can do 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 is 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.

Summative Assessment

Summative assessment generally takes place at planned intervals after instruction. If used wisely, summative assessment can also serve a formative role to modify future instruction. *Stepping Stones 2.0* includes three different options for summative assessment.

slate	channels	Steppi	ng Stones		favorites	history	playlists	glossary	support	account	logout
start	Grade 2 N	Aodule 2	Assessment	Summative Check-ups			eral topics >	-			
				Check-ups							
		C	neck-ups	Performance tasks							
		Ch	eck-ups pro	Interviews	e the student to select th	ne correct	answer or	to provide	e a		
		Po	ll over each	quarties in the Check up		the relation	tod loarnir	a taraat			
		fro	m this modu	ule.	os pictured below to revea	ii the rela	lea learnir	ig target			
		Se	lect the file f	rom the resources tab to	print each Check-up or vi	ew the ar	nswers.				
			Deckup	9	0000						$\overline{\mathbf{Q}}^{*}$
			I. Drow a line 1	o join each double card to a matching domino pictu	ure. I. Draw a line from each	box to show where	that number is locate	ed on the			<u>o</u>

Check-ups – provide questions that require the student to select the correct answer or to provide a short written response. These assessments often parallel the pre-tests and can be used to determine what the student has learned as the result of instruction.

Performance tasks (Grades 1-6) – offer a deeper measure of understanding of one or two learning targets. A rubric accompanies each performance task, which provides you with examples of student responses and how they would score on the rubric.

Interviews – are used to assess certain concepts and skills such as the fluency of rote counting or mental computation that are more difficult to assess solely from paper-and-pencil methods.

Quarterly Tests

Quarterly tests are used at the end of each quarter to assess key learning targets taught in the three modules of that quarter. This information can help you know how well students are maintaining concepts and skills. Quarterly tests can be found in the assessment tabs for Modules 3, 6, 9, and 12.

slate channels	Stepping Stones	favorites history playlists glossary support account logout
start Grade 2 Mo	dule 3 Assessment Quar	terly tests general topics 🗸 🔨 🔤
	Overview	
	Formative	
	Summative	 It or as a written test completed by the student. In either case it may be
	Quarterly tests	e test into several parts to avoid student fatigue. If the test is given as an t 5 seconds for the student to respond to addition facts, and 10 seconds for
	Recording	e test is given as a written test, allow up to 15 seconds per addition fact and sction fact (depending on the student's writing speed). The greater time
	given for subtractio	on facts allows the student to recall addition facts that may help.

Program Map





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Interviews

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