

# Digital Student Assessment

## TEACHER GUIDE



# Digital Student Assessment: Teacher Guide

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## Overview

*Digital Student Assessment (DSA)* is a teacher- and student-facing program that delivers reporting and assessment applications, as well as exporting and management tools. The applications connect teachers and students through *Access* and the use of rostering.

Reporting and assessment is currently setup on *Learnosity via ORIGO Access* for restricted user accounts and grades in *Stepping Stones*. Demonstration links for reporting and assessment are also available.

Class and student level reporting are accessed through a teacher account, which also provides management of assessment activities for a class, printing, exporting and feedback.

Student assessment allows students to complete a range of assessments by answering a series of questions. Assessments are created in and provided via Learnosity, which is a platform specializing in online assessment and reporting solutions.

The following documentation guides you through the installation process and implementation of DSA.

# Assessment

Students can access the assessment once it has been assigned. When a student opens the assignment, an assessment is created for them. When the student is ready to begin, they click the Start button on the opening page.

Key elements of each assessment page are:

1. Heading
2. Navigation
3. Question content

## Assessment information

The assessment page header displays:

- *Stepping Stones* logo
- Assessment name and information (for example, module number/s)
- Student name



Grade 3 Quarterly Test – Test A  
Modules 1-3

Student Name: Carol Carson

## Navigation

Navigation buttons are on the right side of the page, with the list of questions. These buttons are used to move between questions, and to save and submit the assessment.



## Question navigation

There are three question navigation options:

- Next, keyboard right arrow
- Previous, or keyboard left arrow
- List of items (questions), see below for further information.

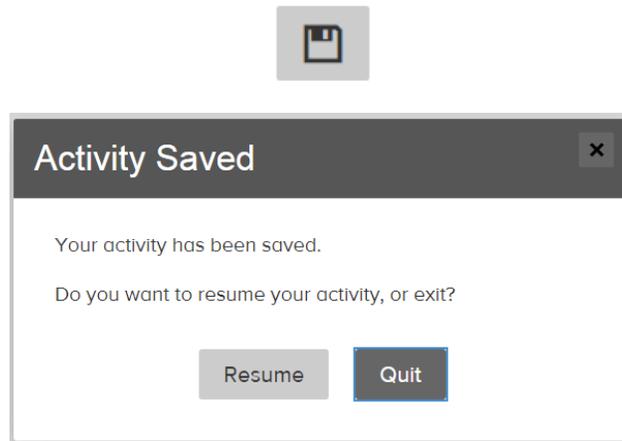
Item 1	⏪
Item 2	⏪
Item 3	⏪
Item 4	⏪
Item 5	⏪
Item 6	⏪
Item 7	⏪
Item 8	⏪
Item 9	⏪
Item 10	⏪

Students can use the **Prev** and **Next** buttons to move between questions. They can also click through the items list to return to unanswered questions, or to check their work. Clicking the flag button next to an item number gives students a visual prompt to return to that item and answer it, or to check their work.

Item 1	⏪
Item 2	⏪
Item 3	🚩
Item 4	⏪
Item 5	⏪

## Saving and pausing

If a student needs to leave the assessment for a longer duration, they click the **Save Answers** button. This gives the option to exit the assessment and saves their current progress. The student can return to the assessment and complete the questions at any time.



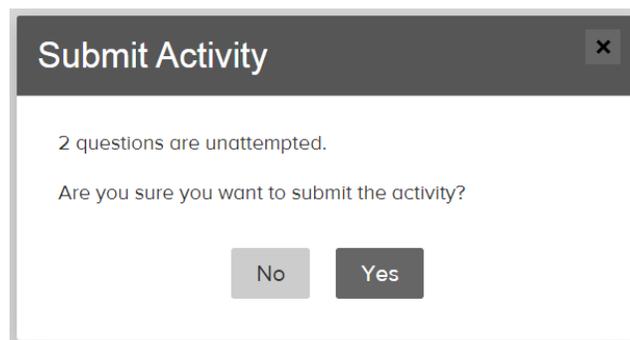
## Question submission

When a student has answered all of the questions, they click the **Finish** button. This replaces the Next button when the last question is selected. It is at the bottom right of the navigation area.



A popup asks the student to confirm that they want to submit the activity. If some questions are unanswered, the popup prompts the student to return to the assessment and complete those questions.

*Note:* If a teacher has locked the assessment, they should provide a submission code so the assessment can be submitted.



## Screen views

The **full-screen** button allows students to toggle between the standard view and the full-screen view. The full-screen view for some browsers hides the default toolbar, which may confuse students.

## Answering questions

Answering options include standard text boxes, text boxes with a popup number pad, multiple choices, and a drag-and-drop method. Below are examples of instructions for using the answer controls. *Note: A **Digital Student Assessment: Student Guide** is also available for referencing online or printing.*

If an answer requires numbers, click on each answer box, and select the number/s from the popup number pad.

The image shows a digital assessment interface. At the top, there is a text input field containing the equation  $\square \times \square = \square$ . A red arrow points from the first square to a numeric keypad below. The keypad is a grid with the following layout:

7	8	9	÷
4	5	6	×
1	2	3	-
0	.	,	+
←	→	✕	=

A red arrow points from the '5' button in the keypad to the first square in the equation above.

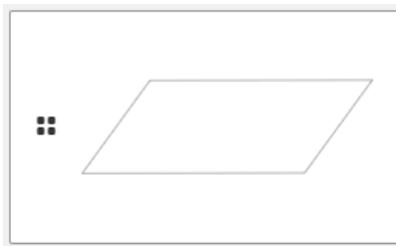
You can also use your keyboard to type the number/s, and to tab between answer boxes.

For a question that has more than **one correct answer**, click or tap all of the correct answers .

- double  $10 \times 6$
- double, double 6
- half of  $10 \times 6$
- double, double 5

- $138 + 100 + 40 + 7$
- $200 + 40 + 50$
- $130 + 100 + 40 + 70$
- $200 + 70 + 15$
- $200 + 30 + 15$

For questions using a **drag and drop** method: Click or tap the image and hold, move the mouse or your finger to the correct box and release. Repeat for multiple images.



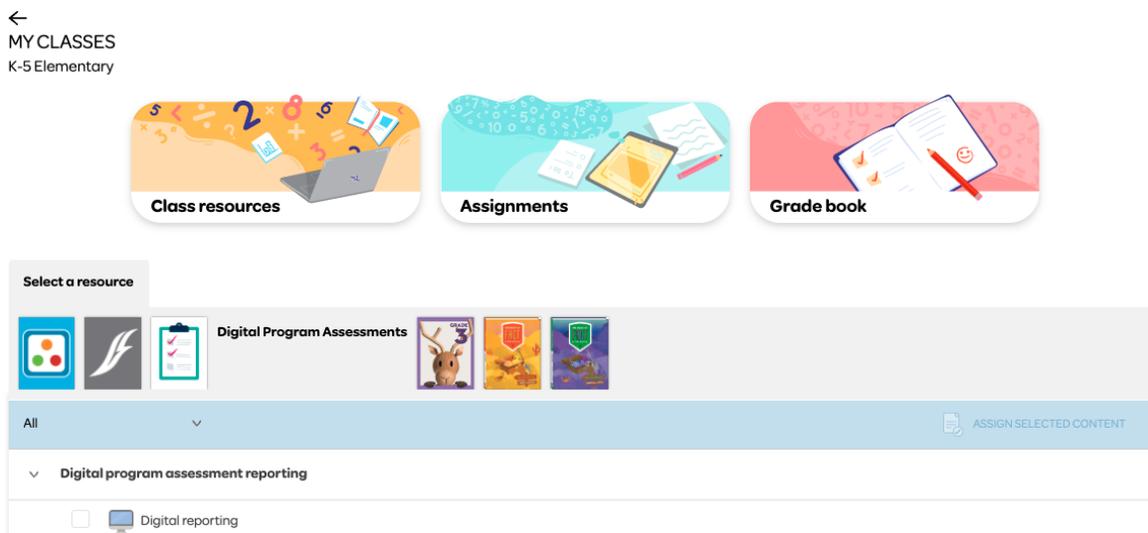
# Reporting

## Digital assessment reporting

A variety of reports are available to determine student performance on digital assessments. These reports can be viewed by the whole class and by individual students. This chart shows the options for reporting.

Report type	Description
Class by question	Provides a quick glimpse of the score breakdown for each question in the assessment.
Class by domain	Provides a bar graph of student performance on tested domains.
Class by cluster	Provides a bar graph of student performance on tested clusters.
Class by standard	Provides a bar graph of student performance on tested standards.
Item score analysis	Provides exploration and drilldown of student scores by domains, clusters, and standards.

Results are available in **Reporting** after the assessment has been assigned. When the assignment has been created, simply log into ORIGO Access, My Classes, open the Digital Program Assessments and select Digital Program Assessments > Digital Reporting



Then select an assessment by specifying:

- Grade
- Class
- Student or Whole class
- Assessment

you use a single sign-on option to access a teacher account that only has one Grade 3 class, then only Grade 3 can be selected from the options. Likewise, only the specific classes you are currently rostered for will display in the list. If none of your grades or classrooms are displayed, please contact your school administrator to ensure that your rostering setup is correct.

The screenshot shows the ORIGO STEPPING STONES 2.0 interface. At the top left is the logo for ORIGO STEPPING STONES 2.0 DIGITAL STUDENT ASSESSMENT. To its right is the text 'Teacher: k-5 Teacher'. On the far right is a 'Refresh' button. Below the logo, there is a dropdown menu for 'K-5 Elementary'. A 'Select Assessment' dropdown menu is open, listing various assessments with their dates: Assignment 3 (9/28/2022 - 10/3/2022), Assignment 4 (9/28/2022 - 10/3/2022), Assignment 5 (10/4/2022 - 10/7/2022), Assignment 6 (10/4/2022 - 10/9/2022), Assignment 7 (10/4/2022 - 10/10/2022), 3.1 Digital Pretest (9/20/2022 - 9/25/2022), Assignment 4 Sandy (10/4/2022 - 10/5/2022), Assignment 8 (10/10/2022 - 10/14/2022), Assignment 9 (10/10/2022 - 10/16/2022), Digital Check up 1 (9/22/2022 - 9/26/2022), and Quarterly Assessment (10/17/2022 - 10/21/2022). To the right of the dropdown menu, there is an 'Export & Print' button and a 'Select Export Type' dropdown menu. Below the dropdown menu, there is a line of text: 'port by selecting from the options above.'

## Report types

DSA allows for the selection and generation of reports for a class or a specific student.

## Class reports

The following reports are displayed after selecting Whole Class from the class selection dropdown, then a specific assessment.

### Class by question

This is a snapshot of the score breakdown for each question in an assessment.

### Class by domain

Bar graphs show individual students' performance on tested domains, for example, Geometry.

### Class by cluster

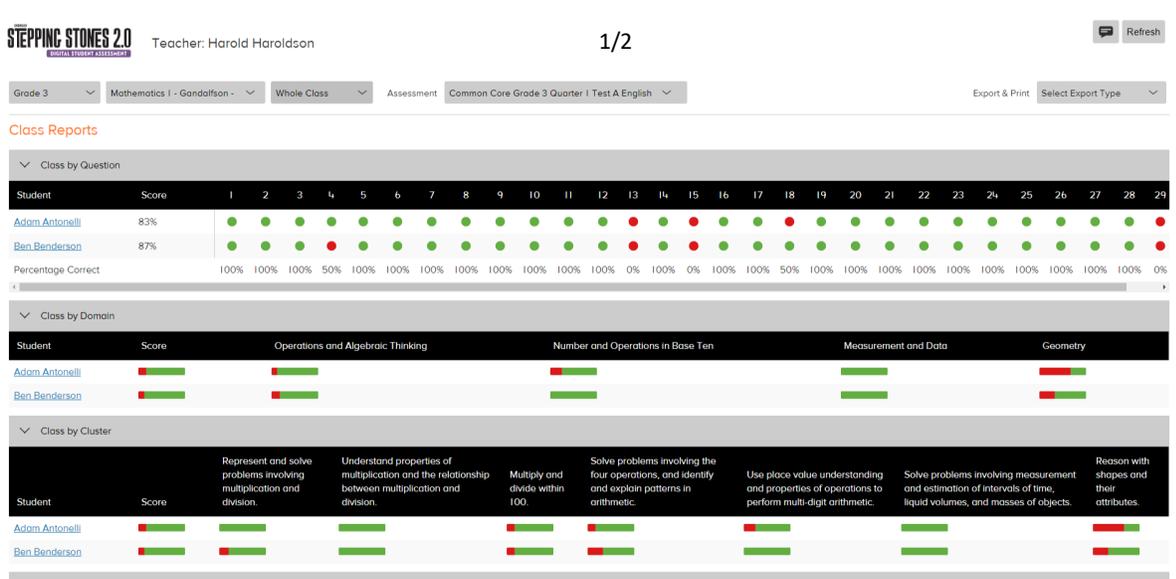
Bar graphs show individual students' performance on tested clusters, for example, Multiply and divide within 100.

### Class by standard

Bar graphs show individual students' performance on tested standards, for example, CCSSM3.OAA.1.

## Class item score analysis

Provides exploration and drill-down of individual students' scores by domains, clusters, and standards.



## Student reports

To view a report for a specific student, select the student's name from the second dropdown.

The default student reports display a list of all sessions associated with that student.

### Student sessions

Lists sessions against an activity and a student's percentage score for each session. The list is sorted in descending order based on the time an assessment is submitted. The report uses partial item scoring, so the overall score is the sum of the individual item scores (including any partially correct items) as a percentage of the maximum possible score for all items.

The following are displayed in Student Reports for the most recent session:

### Student by domain

A bar graph shows the student's performance on tested domains for each session.

### Student by cluster

A bar graph shows the student's performance on tested clusters for each session.

## Student by standard

A bar graph shows the student's performance on tested standards for each session.

All Assessments  
 Student Reports (Adam Antonelli)

From Date:  To Date:  Status:

Select Assessment Results  
 View an assessment session by clicking on an item from the list below.

Assessment	Score	Date	Time	Status	Actions
Quarterly Assessment	87%	Monday, October 17th 2022, 6:02 am	11 mins 18 secs	Completed	Discard Set to Incomplete
Assignment 7	95%	Tuesday, October 4th 2022, 12:11 pm	6 mins 22 secs	Completed	Discard Set to Incomplete
Assignment 6	100%	Tuesday, October 4th 2022, 12:04 pm	4 mins 28 secs	Completed	Discard Set to Incomplete
Assignment 5	100%	Tuesday, October 4th 2022, 11:59 am	6 mins 12 secs	Completed	Discard Set to Incomplete
Assignment 3	70%	Wednesday, September 28th 2022, 7:10 am	1 mins 3 secs	Completed	Discard Set to Incomplete
Assignment 3	70%	Wednesday, September 28th 2022, 7:09 am	1 mins 45 secs	Completed	Discard Set to Incomplete
3.L.Digital.Prestest	100%	Tuesday, September 20th 2022, 8:43 am	8 mins 52 secs	Completed	Discard Set to Incomplete

Latest Session

Student by Domain

Assessment	Score	Domain
Quarterly Assessment	87%	Operations and Algebraic Thinking
		Number and Operations in Base Ten
Assignment 7	86%	Operations and Algebraic Thinking
		Number and Operations in Base Ten
Assignment 6	100%	Measurement and Data
		Geometry
Assignment 5	100%	Operations and Algebraic Thinking
		Number and Operations in Base Ten
Assignment 3	0%	Operations and Algebraic Thinking

## Cluster, Domain, Standard data for all assessments completed by a student

This report is found at the bottom of the student report and shows aggregate data for student performance by cluster, domain, and standard. Selecting a cluster will display all associated domains. Selecting a domain will display all associated standards.

Student Item Score Analysis

	Total	Operations and Algebraic Thinking	Understand properties of multiplication and ...	CCSSM.3.OA.A.4	CCSSM.3.OA.B.5	CCSSM.3.OA.B.6	CCSSM.3.OA.C.7	CCSSM.3.NBT.A.3
(Adam Antonelli)	81%	78%	100%	-	100%	-	100%	-

The following reports are displayed when a specific student session has been selected.

## Session summary

This shows how many items are correct, incorrect, not attempted, or unmarked. The report uses dichotomous item scoring to calculate the number of correct items, so partially correct items will be reported as incorrect.

## Student item analysis

Shows a student's responses to each item. Question responses are shown in review mode, which is read-only and shows the attempted and correct responses. Each item is presented in full, including any static content and features embedded in the item (question). This report is similar to viewing a student's exam paper, with details of how each question has been scored.

STEPPING STONES 2.0 Teacher: Harold Haroldson

Grade 3 Mathematics I - Gandalfson Adam Antonelli Assessment Common Core Grade 3 Quarter I Test A English

Return to Student Reports

Student Reports Adam Antonelli

Session: Common Core Grade 3 Quarter I Test A English, 83% Correct, Thursday, February 7th 2019, 10:14 am, Completed

Filter Answers None

Session Summary

Total # of items:	30
# of items correct:	25
# of items incorrect:	5
# of items not attempted:	0

Student Item Analysis

Item 1

Choose the equation that matches the total value of the coins.

$5 \times 5 = 25$

$6 \times 1 = 6$

## Report filtering and options

Each report can be collapsed and expanded using the report's header bar, which is at the top of each report.

Some reports provide useful rollover information and further information. The Class by Question report, for example, displays rollover tips that include the score as well as the time taken for each question. The Class by Question report can also provide a quick answer preview, displaying the student's answer. This is a quick way of determining where the student went wrong, instead of clicking through to the full assessment results.

When viewing a selected student's results, sessions can be filtered by selecting a date range as well as the status of the session. A session can be completed, incomplete or discarded.

When viewing a selected student Session Summary and Student Item Analysis, the answers can be filtered by correct, incorrect, or unanswered.

**Student Reports** Ben Benderson

From Date:  To Date:  Status: **No Preference** ▾

Select Assessment Results  
View an assessment session by clicking on an item from the list below.

Assessment	Score	Date	Time	Status	Actions
<a href="#">Common Core Grade 3 Quarter 1 Demo</a>	90% Correct	Friday, April 5th 2019, 9:05 am	3 mins 39 secs	Completed	Discard   Set to Incomplete

Latest Session

Student by Question

Student	Score	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Ben Benderson	90%	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Student by Domain

Student	Score	Operations and Algebraic Thinking	Number and Operations in Base Ten	Measurement and Data	Geometry
Ben Benderson	90%	●	●	●	●

Student by Cluster

Student	Score	Understand properties of multiplication and the relationship between multiplication and division.	Multiply and divide within 100.	Solve problems involving the four operations, and identify and explain patterns in arithmetic.	Use place value understanding and properties of operations to perform multi-digit arithmetic.	Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.	Reason with shapes and their attributes.
Ben Benderson	90%	●	●	●	●	●	●

Student by Standard

Student	Score	CCSS.M3.OA.A.1	CCSS.M3.OA.A.2	CCSS.M3.OA.A.3	CCSS.M3.OA.B.5	CCSS.M3.OA.C.7	CCSS.M3.OA.D.8	CCSS.M3.OA.D.9	CCSS.M3.NF.A.1	CCSS.M3.NF.A.2	CCSS.M3.NF.A.3
Ben Benderson	90%	●	●	●	●	●	●	●	●	●	●

**STEPPING STONES 2.0** Teacher: Harold Haroldson

Grade 3 | Mathematics I - Gandalfson | Adam Antonelli | Assessment: Common Core Grade 3 Quarter 1 Test A English | Export & Print | Select Export Type

**Student Reports** Adam Antonelli

From Date:  To Date:  Status: **No Preference** ▾

Select Assessment Results  
View an assessment session by clicking on an item from the list below.

Assessment	Score	Date	Status	Actions
<a href="#">Common Core Grade 3 Quarter 1 Test A English</a>	83% Correct	Thursday, February 7th 2019, 10:44 am	Completed	Set to Discarded   Set to Incomplete
<a href="#">Common Core Grade 3 Quarter 1 Test A English</a>	67% Correct	Tuesday, February 5th 2019, 4:20 pm	Completed	Set to Discarded   Set to Incomplete

Latest Session

Student by Question

Student	Score	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Adam Antonelli	83%	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Student by Domain

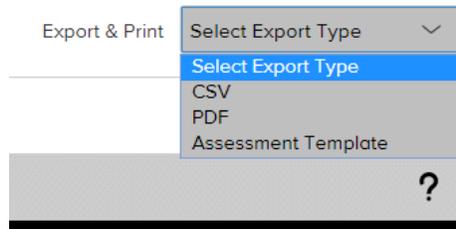
Student	Score	Operations and Algebraic Thinking	Number and Operations in Base Ten	Measurement and Data	Geometry
Adam Antonelli	83%	●	●	●	●

Student by Cluster

## Exporting and printing

The Class and Student reports can be exported to CSV and PDF file types. Select from the Export and Print options at the top right of the page. These options are only available when an assessment can be selected.

An assessment can be printed by selecting Assessment Template from the Export and Print options. This allows an assessment to be printed so it can be given to a student.



### Assessment: Common Core Grade 3 Quarter 1 Demo

[Return to Reporting →](#)

#### Question 1

Choose the equation that matches the total value of the coins.



- $5 \times 5 = 25$
- $6 \times 1 = 6$
- $6 \times 5 = 30$
- $5 \times 4 = 20$

#### Question 2

Choose all the pictures that show a representation of  $8 \times 3$ .



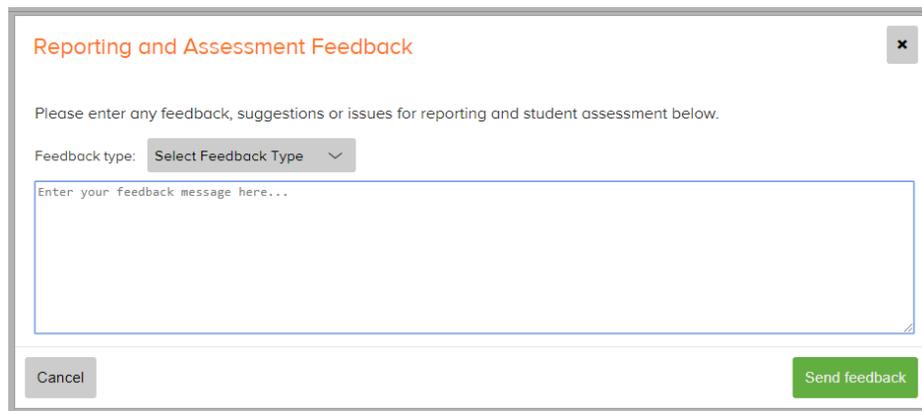
## Feedback

If you experience any issues with Assessment or Reporting, or would like to provide feedback on your experience with the product, please use the Send Feedback button at the top right of the reporting page.

Choose from one of the following:

- General feedback
- Suggest a new feature
- Report an error.

If reporting an error, please provide as much information as possible about the error and how it can be reproduced. If the error persists please contact support on: <https://www.origoeducation.com/contact>



The screenshot shows a modal window titled "Reporting and Assessment Feedback" with a close button (x) in the top right corner. Below the title, there is a prompt: "Please enter any feedback, suggestions or issues for reporting and student assessment below." This is followed by a "Feedback type:" label and a dropdown menu currently showing "Select Feedback Type". Below the dropdown is a large text area with the placeholder text "Enter your feedback message here...". At the bottom left of the form is a "Cancel" button, and at the bottom right is a green "Send feedback" button.

## References

### Learnosity

Learnosity is an assessment authoring and reporting platform. Assessments and Items (questions) are created and managed with Learnosity, and are viewed and queried through its reporting and data services.

<https://learnosity.com/>

<https://docs.learnosity.com/analytics/reports/quickstart>