

Academic Language for LSN

PD Course 101



Today's Agenda





Overview and Research



Who Are We?

Speak Agent is a team of educators who believe that language is a key to success for all learners.

Our company is 100% owned and operated by educators, not by private equity or hedge funds.





Why Speak Agent?

By learning the language of content, all students will unlock their full potential. We don't just believe this. We have evidence! For example:

1 hour per week of Speak Agent

10.3% higher math scores



An Award-Winning Program













Small Business Innovation Research **AWARDEE**





Connecting Language to Maryland's Standard

6.0

Inquiry-Based Practice		5)))		C	A	Ø
Develop Questions	1	1	✓	1	1	✓
Plan Inquiries	✓	✓	✓	✓	✓	✓
Apply Disciplinary Concepts			✓	✓	✓	✓
Evaluate Sources	✓		✓		1	
Use Evidence		✓		✓		✓
Communicate & Critique Conclusions	1	1		1		✓



How Does Speak Agent Help?

It significantly improves learning outcomes in the content areas by integrating language into your existing curriculum.

- Ready-to-use digital lessons.
- Mapped to your curriculum.
- Easy to collaborate with colleagues.
- AA level accessibility.
- Single Sign-On.
- Daily roster sync.
- Automatically collects reporting data.
- No AI. You are in control.





Content + Language = Success





The Content + Language Framework

Acquire the Vocabulary	B uild Comprehension	C ommunicate Reasoning		
Goal: Make the academic concepts accessible to all learners.	Goal: Deepen a student's understanding of the key academic concepts; make real-world connections.	Goal: Encourage students to demonstrate mastery and critical thinking.		
Process: Engage students in listening, speaking, and morphology practice using visual aids.	Process: Engage students in reading and interacting with simplified but age-appropriate texts.	Process: Ramp up the complexity of texts and add opportunities for open-ended expression.		



Evidence

Let's look at the data behind this language-based approach.

- Math evidence
- ELD evidence
- Science evidence



Math Results

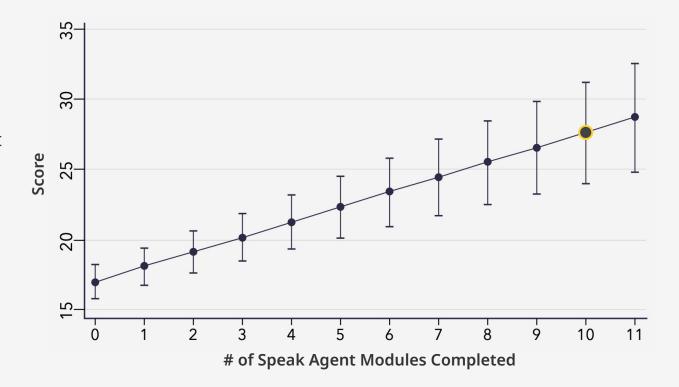
N = 46,929

99.9% confidence level

QED study with 24,180 students in grades 6-8 at Prince George's County.

Results apply to both multilingual and monolingual learners.

Predicted Mean PGCPS Math Benchmark Score





Interpreting the Results

Completing 10 modules in an academic quarter, which takes no more than one hour per week, resulted in a 10.3% mean higher score.





ELD Results

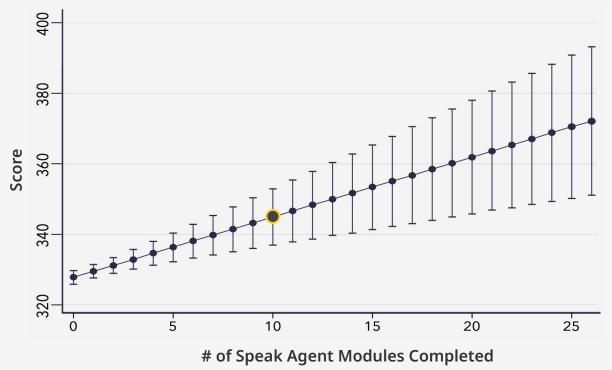
N = 5,361

99.9% confidence level

QED study with 5,361 MLLs in grades 6-8 at Prince George's County.

Results suggest a higher dosage may have an even greater impact.

Predicted Mean ACCESS 2.0 Scale Score





ELD Results, by Domain

N = 5,361

99.9% confidence level

This table shows the mean effect size, by ACCESS domain, at a one hour per week dosage.

MLLs at all levels, including Level 1 learners (N = 1,014), experienced significant gains.

ACCESS Domain	Effect Size	PRIME V2
Speaking	+22 points	The
Listening	+20 points	
Writing	+18 points	
Reading	+13 points	
Comprehension	+15 points	
Literacy	+16 points	
Oral	+21 points	



Science Results

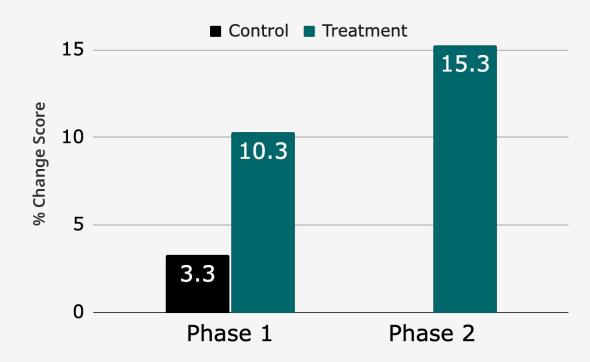
Mean Increase in Science Concept Knowledge

N = 85

99% confidence level

QED study with 85 science students (80% MLLs) at Manor ISD, Texas.

The dosage was ½ hour per week. The results were so strong that the researchers moved the control group to treatment in Phase 2.





Interpreting the Results



Spending 30 minutes per week over the first 12-week phase led to students in the treatment group acquiring 200% more science concepts than the control.

30 minutes per week of Speak Agent



3X faster learning of new science concepts



80%

of students agreed or strongly agreed that they enjoy using Speak Agent (N=2,497)

72%

of students report that Speak Agent helps them learn "**more**" than any other classroom tool or resource (N=2,497)

Recap: Overview and Research







What is the research behind it?





Learning Experience



Ready to explore?



Walkthrough

We will take a look at both the teaching and student learning experiences.

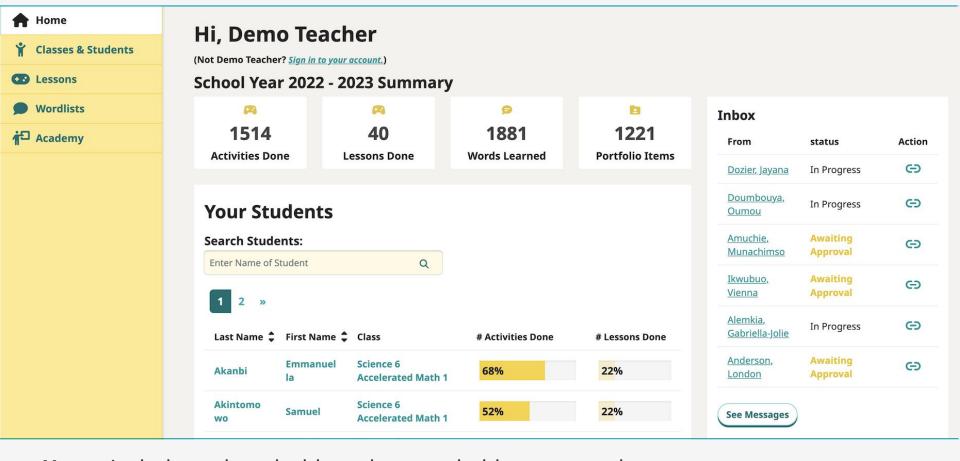
- Teacher features
- Student experience
- Learning activities & strategies



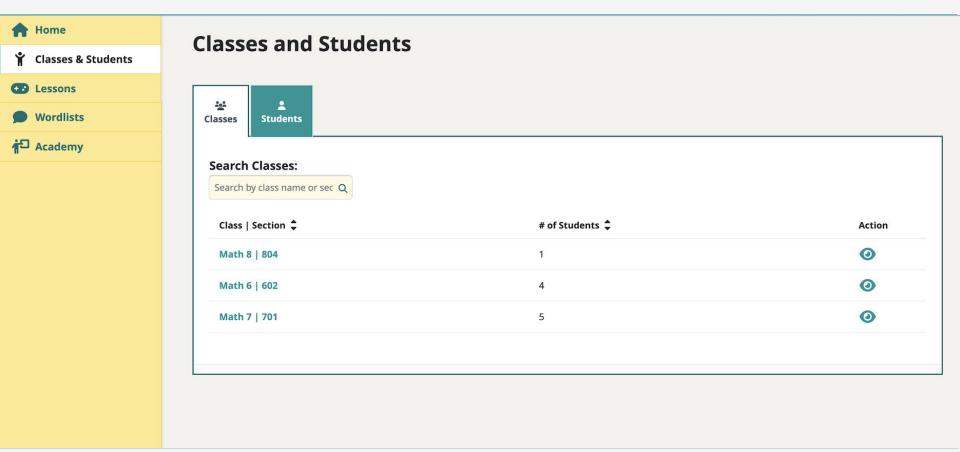
What Can You Do in Speak Agent?

- View data and access student data on your Home page.
- View class reports and assignments.
- Find lessons that supplement your curriculum.
- Run activities from your computer—or assign them as independent practice.
- Print lesson materials, differentiate instruction, review student work, check answer keys, and more.
- Use the Academy self-serve PD to dive deeper into Speak Agent.

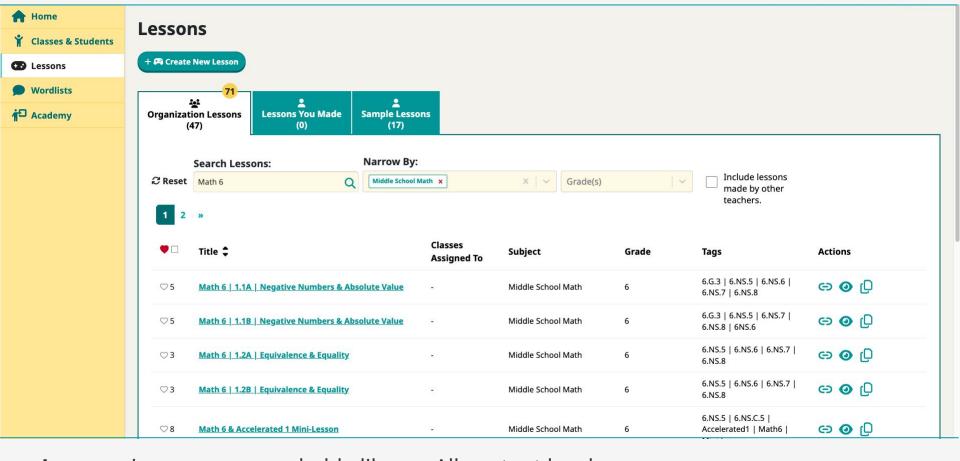




Home includes a data dashboard, a searchable roster, and an Inbox for student writing submissions.



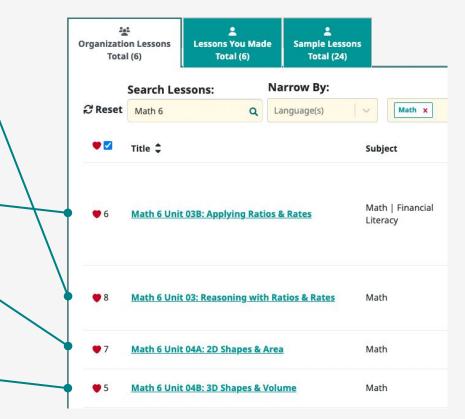
Classes & Students pulls all the class sections from your SIS. Rostering happens automatically and syncs every day.



Lessons is an open, searchable library. All content has been mapped to fit your curriculum for the current school year.

Curriculum Integration Saves Time & Effort

Your Unit	Your Content
Reasoning with Ratios & Rates	Standards: 6.RP.1, 6.RP.2 Concepts: Introducing ratios; representing ratios with diagrams; ratios and rates; representing equivalent ratios; constant speed.
Applying Ratios & Rates	Standards: 6.RP.3, 6.EE.9 Concepts: Representing ratios with tables; solving ratio and rate problems; unit conversion; percentages.
2D Shapes & Area	Standards: 6.G.1 Concepts: Reasoning, decomposing and rearranging to find area; surface area.
3D Shapes & Volume	Standards: 6.G.2 Concepts: Volume; fractional lengths in prisms.

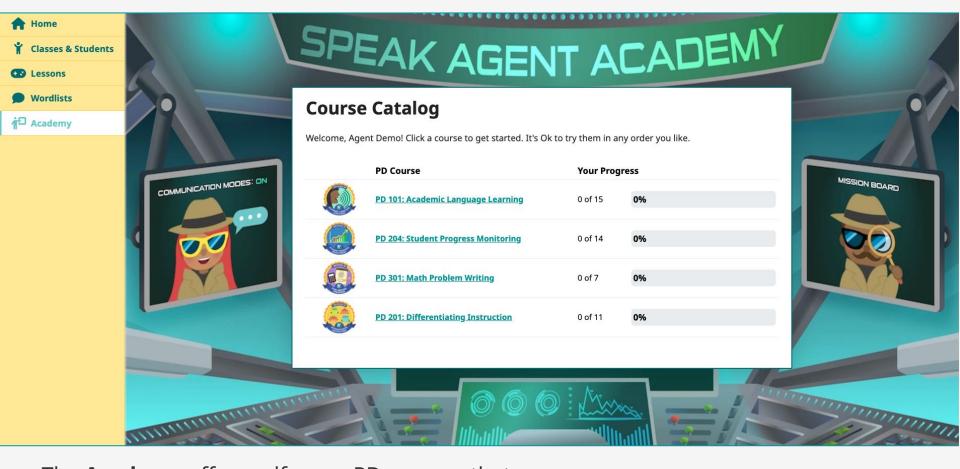




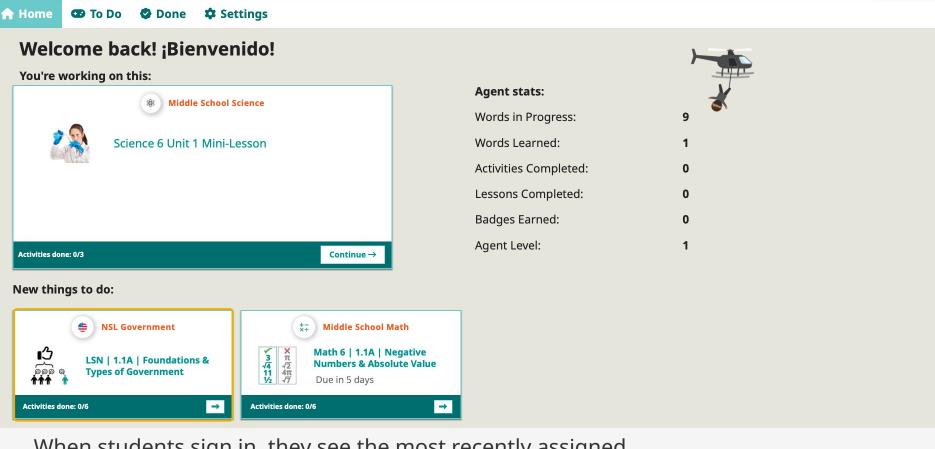
Wordlists

- **Wordlists** can be used to build your own vocabulary sets for lessons that you create.
- This is an advanced feature that we cover in PD 201: Differentiated Instruction.





The **Academy** offers self-serve PD courses that you can use to dive deeper into Speak Agent.

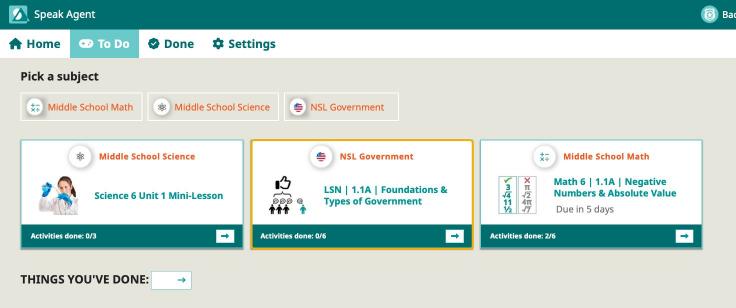


When students sign in, they see the most recently assigned lesson prominently on their **Home** page.

Speak Agent

My Work (2) testy251

Sign Out (→



The **To Do** page lets students filter lessons by subject, if they are using Speak Agent for multiple subjects.

My Work (2) testy251

Sign Out [→





Sign Out (→

p Due in 5 days



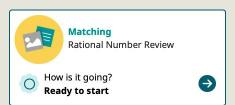


Math 6 | 1.1A | Negative Numbers & Absolute Value

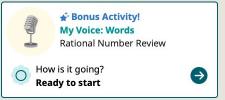












Students arrive at a lesson from Home, To Do, or from a direct link you share. They click a tile to launch an activity.



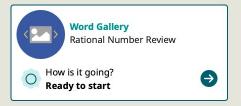




Math 6 | 1.1A | Negative Numbers & Absolute Value

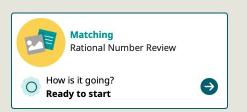
Complete the activities to finish this lesson.

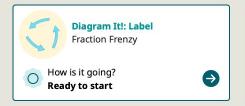














This lesson has a "bonus activity." This was marked as "optional" by the teacher when assigning the lesson.



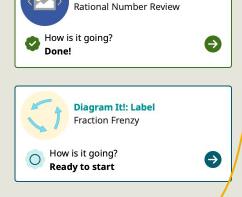




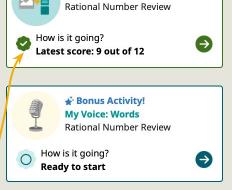
Math 6 | 1.1A | Negative Numbers & Absolute Value

Complete the activities to finish this lesson.

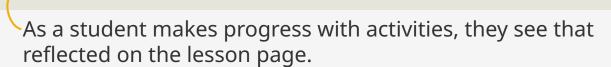




Word Gallery

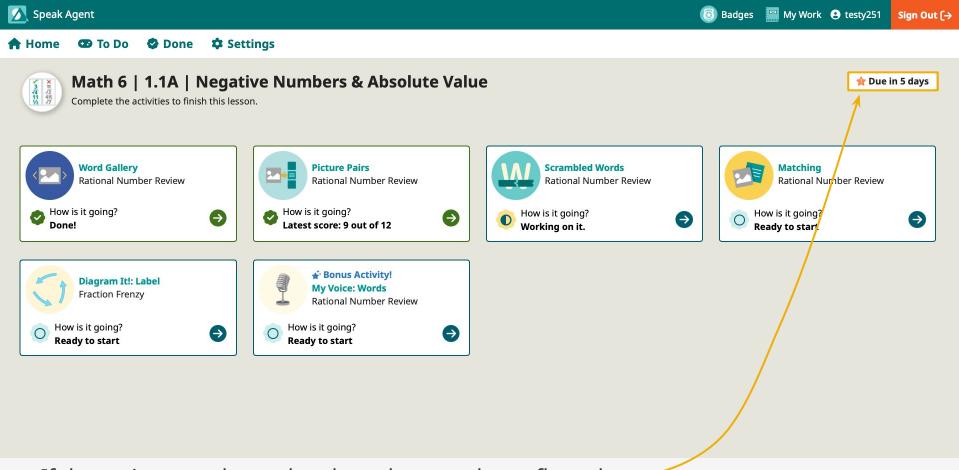


Picture Pairs

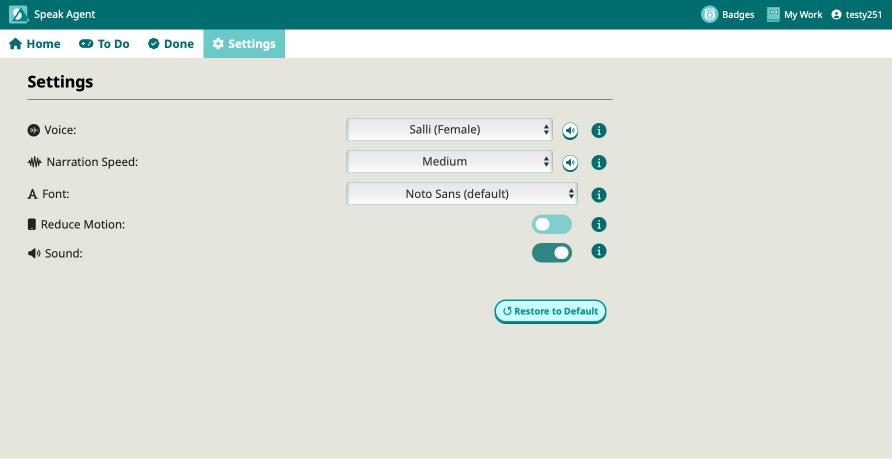


p Due in 5 days

 \Rightarrow



If the assignment has a due date, they see that reflected here. Overdue lessons can still be completed.



Students may use **Settings** to set their personal preferences.

Sign Out [→

Here are the things you've made in Speak Agent: Word Spin Explain Your Work Read Along My Voice Puzzle Solver **SORT BY:** Newest

Lesson	Activity Title	Date Created	
Science 8 Unit 04: Mystery Fossils	Science 8 Unit 04: Mystery Fossils	Feb 5, 2023	Go→
Algebra II Unit 01A: Quadratic Functions L1	Algebra II Unit 01A: Quadratic Functions	Dec 21, 2022	Go→
Science 6 Unit 03B: Levitating Forces		Nov 23, 2022	Go→
Science 6 Unit 03B: Levitating Forces	Discovering Electricity	Nov 17, 2022	Go→
Science 6 Unit 03A: Levitating Forces - Held	Journey to the Poles of the Earth	Nov 17, 2022	Go→
Algebra II Unit 01A: Quadratic Functions L3	Questions - Algebra II Unit 01A: Quadratic Functions L3	Nov 10, 2022	Go→

Students may access **My Work** to see a portfolio of their work throughout the school year. You have access to this, too!

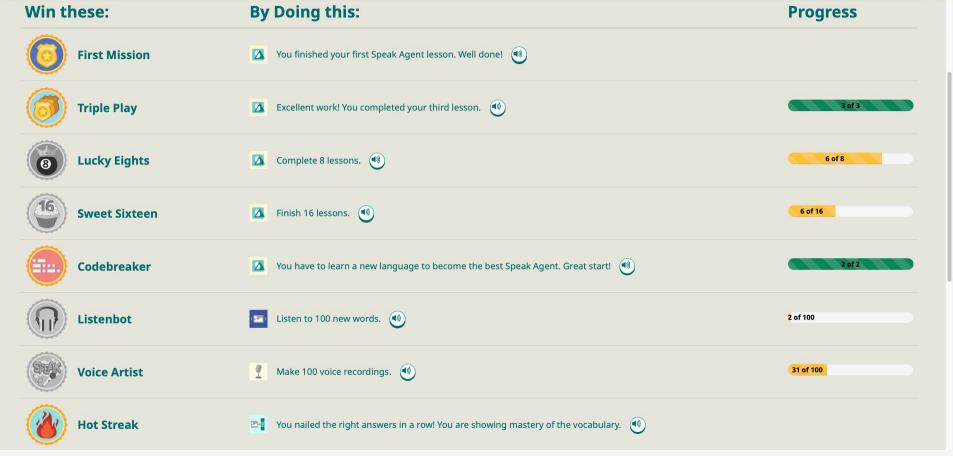


Forces in Baseball

You answered all these questions!

Question	Your Written Response	Your Spoken Response
What is Tomás playing?	Baseball (1)	No Recorded Answer
Why is the ball in motion?	No Written Answer	(4)) Listen
What happens when Tomás swings?	He missed	No Recorded Answer
What does the ball hit?	the glove 🕦	No Recorded Answer
What objects push on each other?	The ball and the glove	(1)) Listen
How many newtons is the push on the glove?	30	No Recorded Answer
How many newtons is the push on the ball?	30	No Recorded Answer

My Work includes a record of their written answers, voice recordings, and visual representations.



Students may earn unique **Badges** to celebrate their progress with Speak Agent.

Speak Agent Activities

Acquire Vocabulary	Build Comprehension	Communicate Reasoning	
Matching	iagram It: Label/Type	Diagram It: Free Write	
My Voice: Words	My Voice: Phrases	Drawing Board	
Picture Pairs	Read Along	Explain Your Work	
Scrambled Words	Scrambled Sentences	Math Problem Maker	
Word Gallery	Sort It Out	Math Problem Solver	
	Tall Tales	My Voice: Questions	
	Vocab Lab		







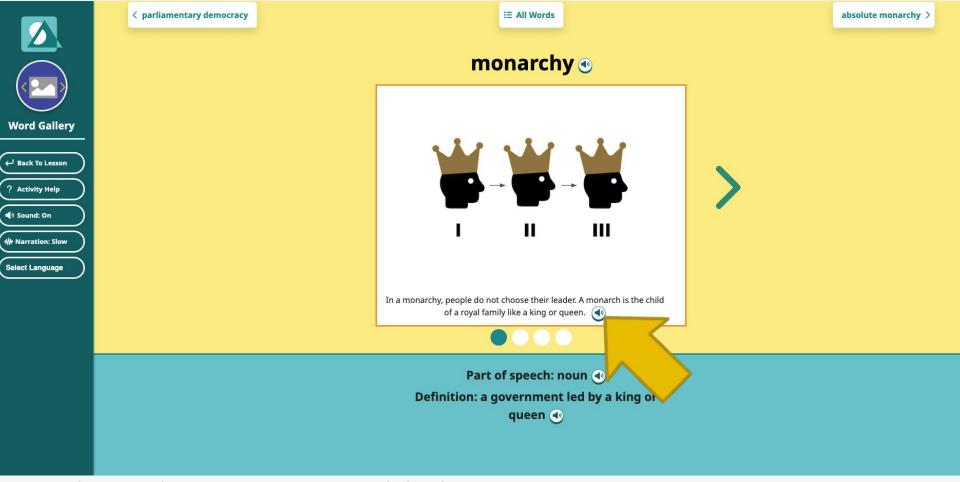
Word Gallery is an interactive word wall with voice narration.



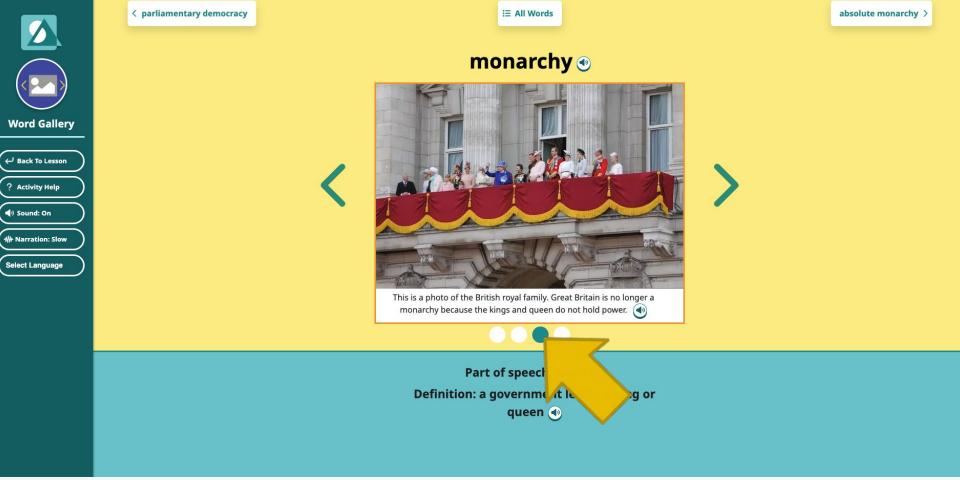
NSL 10.1 A: Foundations & Principles



Student choose a word/concept in the gallery to review.

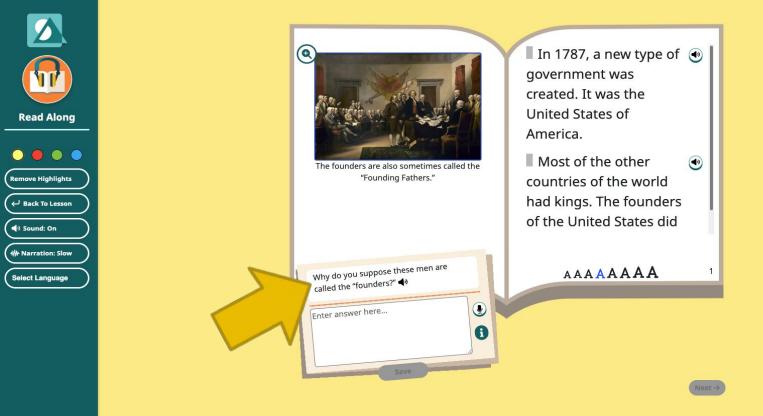


Students can listen to captions narrated aloud.



There are often multiple visuals to show a variety of concrete examples.

Read Alongs deeply engage learners in curriculum-aligned content.



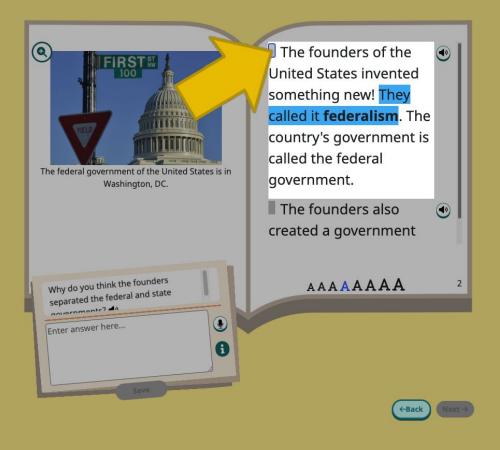
C.R.O.W.D. prompting on each page encourages reading for comprehension and reflection.

What Are C.R.O.W.D. Prompts?

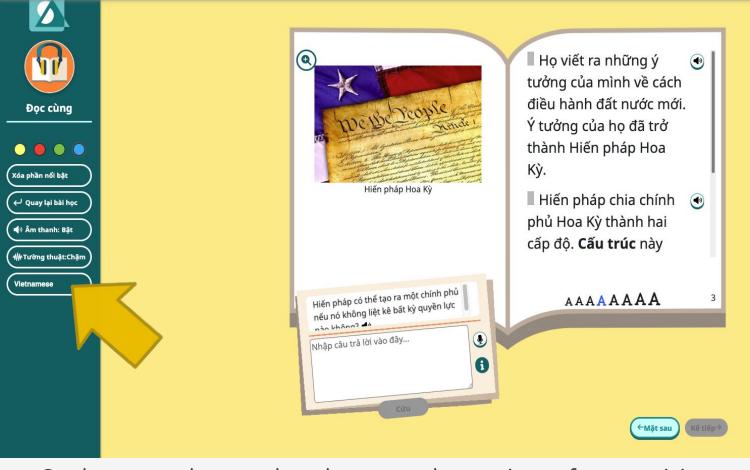
- C Completion: Learners are asked to finish a statement.
- R Recall: Learners write or say in their own words what has happened so far in a story or text.
- O Open-ended: Learners are asked to notice details about the images that accompany a text.
- W Wh-prompts: Learners are asked to provide a specific correct response based on context clues in the text.
- D Distancing: Learners reflect on their own experiences. This helps learners form a bridge between a text and the real world.





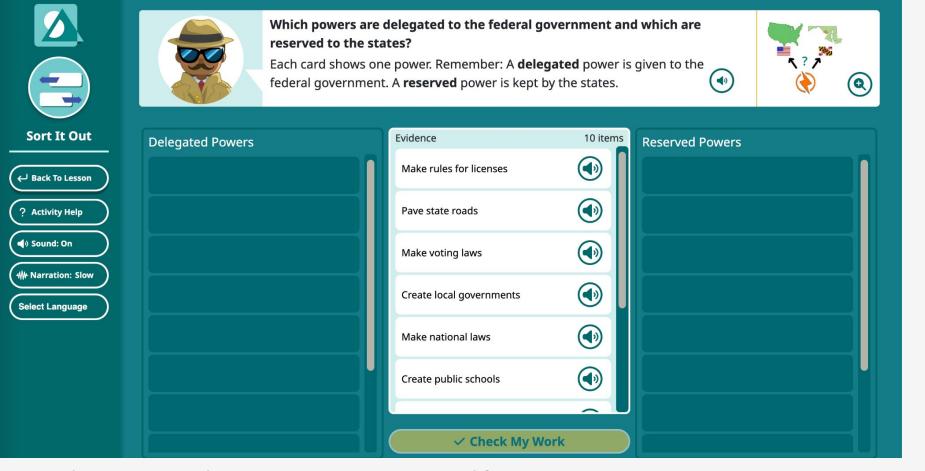


Students can change the text size, highlight text, dim the screen around text, listen to narrated text, and other accessibility features.

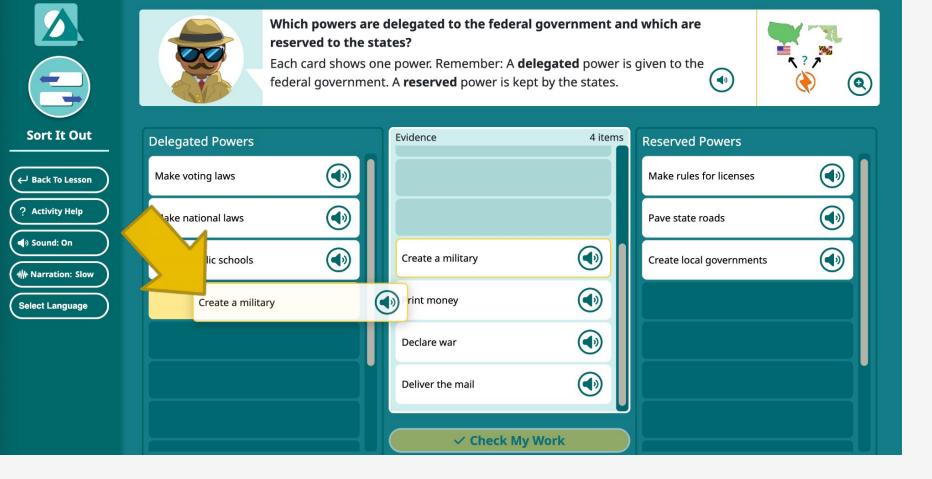


Students can also translate the text and menu items for an activity. It resets to English once they exit.

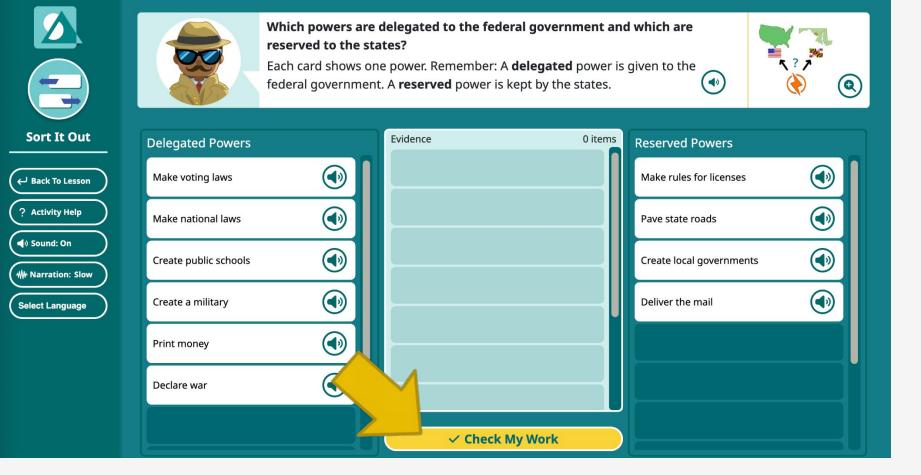
Sort It Out has students evaluate a set of facts, rules, or evidence.



In this activity, students are sorting governmental functions into delegated vs. reserved powers.



Students make a choice for each item.



When done sorting, students can self-check their work.

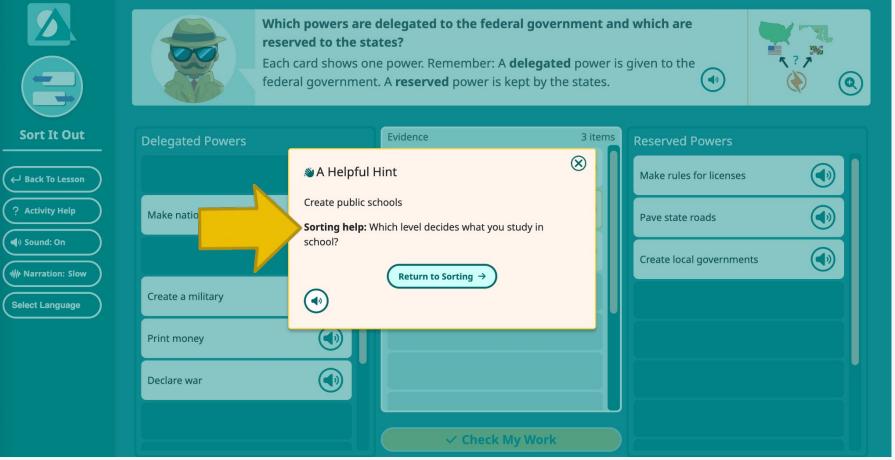


Wrong answers can be self-corrected.





The activity includes **hints** specific to each item card to help guide students toward the right answer. They get as many tries as they need to succeed.





Here's an example of a hint.

Recap: Learning Experience







Workshop



Step 1: Find a Lesson

Lessons to try:

LSN | 1.1A | Foundations & Types of Government

<u>LSN | 1.1B | Foundations & Types of Government</u>

LSN | 1.1C | Foundations & Types of Government



Step 2: Preview the Lesson



Please try two activities from unit 1.1.

- 1.1A has the Word Gallery
- 1.1B has a Read Along
- 1.1C has Sort It Out
- Feel free to try others!



As you try each activity, please note down the following:

- What strategies or learning supports does the activity offer?
- Where does the activity fit into your classroom structure?



Where do you feel this resource fits into your instruction and why?



Please share your responses in the Zoom chat.

How to Use the Activities

- Each activity is like a toolbox.
- Each supports a variety of strategies that are flexible to your needs.
- The following slides offer ideas for how each activity can be used.



Activity	How to Use It	Time
Diagram It!	Introducing Connections Warm-Up Exit Ticket Starting a Discussion	2 to 5 minutes
Drawing Board	Exit Ticket Partner Work	5 to 15 minutes
Explain Your Work	Formative Assessment Starting a Discussion Consider doing this activity over two sessions.	15 to 30 minutes

Independent Small Groups
Whole Class
Recommended

The first strategy listed is the one we recommend trying first.

Activity	How to Use It	Time
Level Up	E Formative Assessment	2 to 5 minutes
Matching	Warm-Up Partner Work Exit Ticket	2 to 5 minutes
Math Problem Maker & Solver	Culminating Activity (Note: Partners are determined randomly.) Consider doing this activity over two sessions.	30 to 60 minutes

Independent Small Groups Whole Class

Level Up is the end-of-unit knowledge check.

Activity How to Use It		Time
My Voice: Words	L Warm-Up L Homework	10 to 20 minutes
My Voice: Phrases/ Questions	Exit Ticket Warm-Up Partner Work Homework	5 to 10 minutes



My Voice can get noisy if the whole class does it together, so it can be a good candidate for use as homework.

Activity	How to Use It	Time
Picture Pairs	Starting a Discussion Warm-Up Partner Work Formative Assessment Exit Ticket	5 to 10 minutes
Read Along	Partner Work Introducing Connections Starting a Discussion	5 to 15 minutes
Scrambled Sentences	Warm-Up Exit Ticket	5 to 15 minutes

Independent Small Groups
Whole Class
Recommended

The P symbol means the activity comes with an answer key.

Activity	How to Use It	Time
Scrambled Words	Warm-Up Partner Work Exit Ticket	2 to 10 minutes
Sort It Out	Exit Ticket Warm-Up Partner Work Formative Assessment	5 to 10 minutes
Tall Tales	Formative Assessment Exit Ticket	5 to 10 minutes



The time range can vary based on the volume of content and each student's individual pace.

Activity	How to Use It	Time
X Vocab Lab	Exit Ticket Partner Work Formative Assessment	5 to 15 minutes
Word Gallery	Introducing Concepts Warm-Up Homework	5 to 10 minutes



Word Gallery can be used as a reference tool throughout the unit.

Weekly Planner: A Google Sheet

1	Unit Name:	Geometry Unit 01A-0	: Transfo	rmation on the Coordina	ate Plane & Using Rigi	d Motion	í e		
2									
3	Week of	Monday		Tuesday	Wednesday		Thursday	Friday	
4	Lesson Topic:	Geometry Terms		-	Mapping Geometri Features	С	-	Geometry Terms	S
5									
6	Activity #1	Word Gallery	•	▼)	Read Along		₹)	My Voice: Words	•
7	Time Estimate	10 m	inutes	N/A	15 mi	nutes	N/A	20 n	minutes
8	Setting	Whole Class	▼) (•	Independent Work	•	▼)	Pairs	•
9									
10	Activity #2	Picture Pairs	•	₹)	Diagram It!		₹)	Scrambled Words	-
11	Time Estimate	10 m	inutes	N/A	5 mi	nutes	N/A	10 n	minutes
12	Setting	Independent Work	•)	▼)	Independent Work	•	₹)	Independent Work	•
13									
14	Activity #3	Matching	•	▼)		•	•	Vocab Lab	-
15	Time Estimate	5 m	inutes	N/A		N/A	N/A	15 n	minutes
16	Setting	Independent Work	•) (₩)		*	▼)	Independent Work	•
17	Total Class Time	25 m	inutes	N/A	20 mi	nutes	N/A	45 n	minutes
18									





Getting Started

△ Speak Agent®

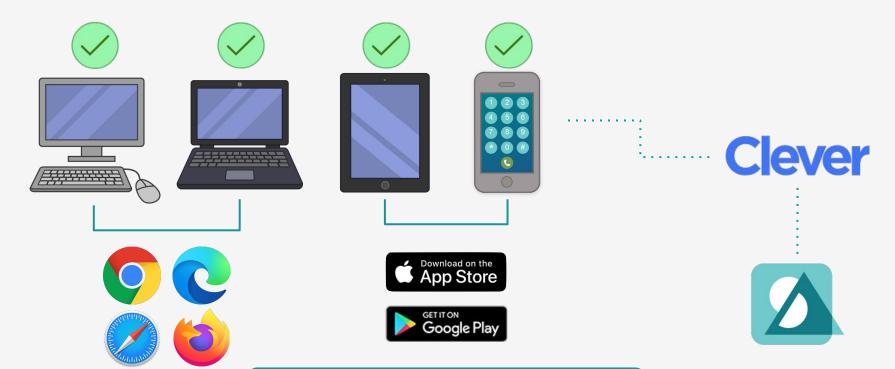
Preparation

Let's first take a look at what you'll need to know before using Speak Agent in your classroom.

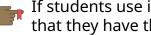
- Access
- Rosters
- Finding lessons
- What's in a lesson
- Preview



Student Access







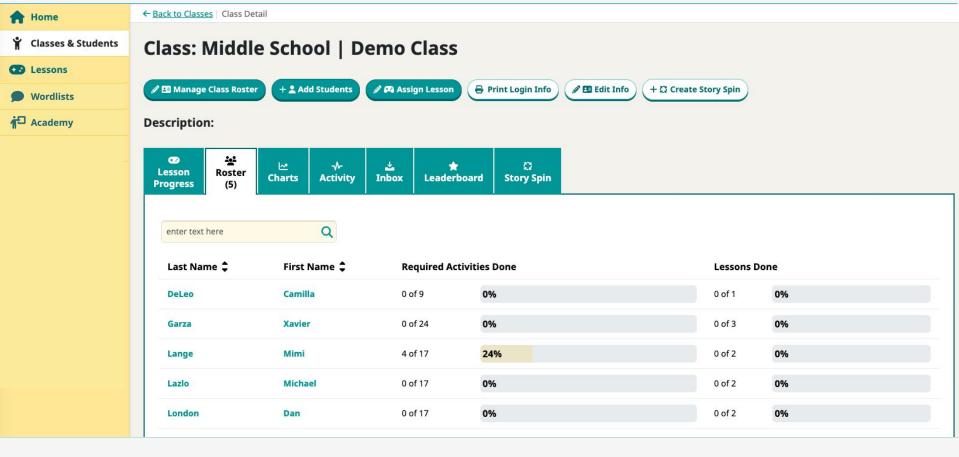
If students use iPads or Android, be sure that they have the latest Speak Agent app!

Teacher Access

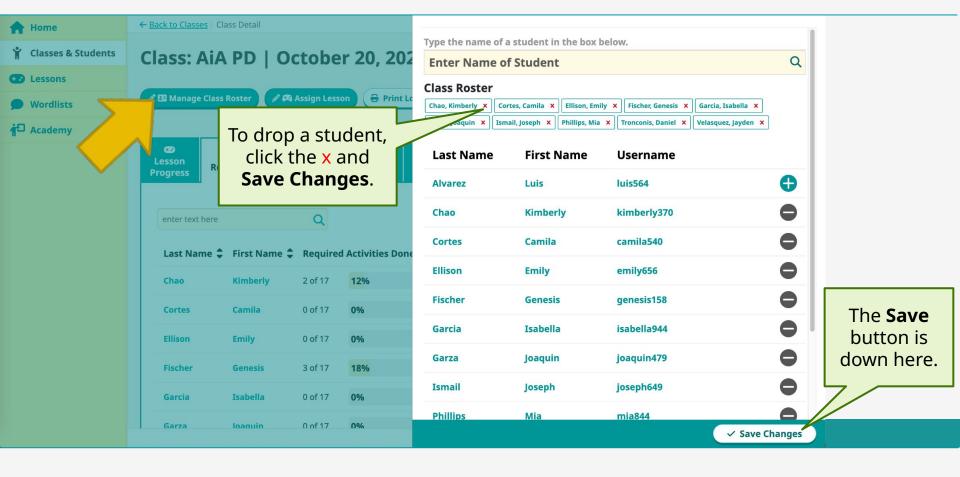




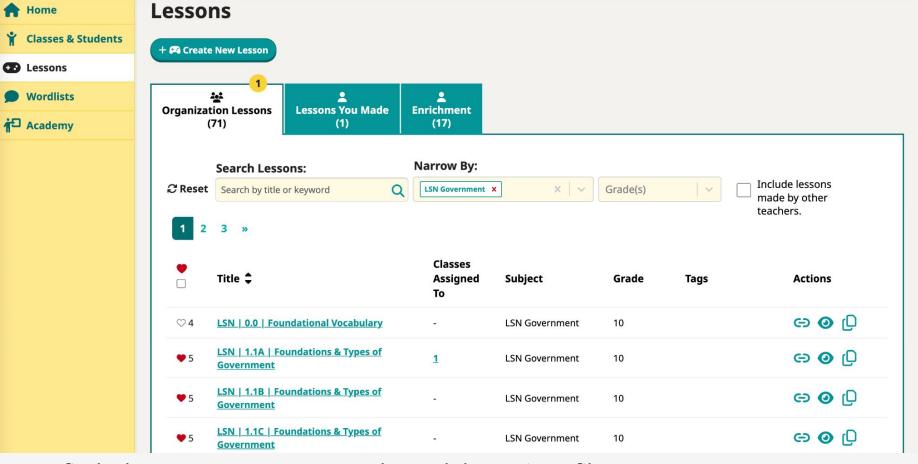




The **Roster** tab shows the students enrolled from your SIS (updated daily). Click a student's name for details.

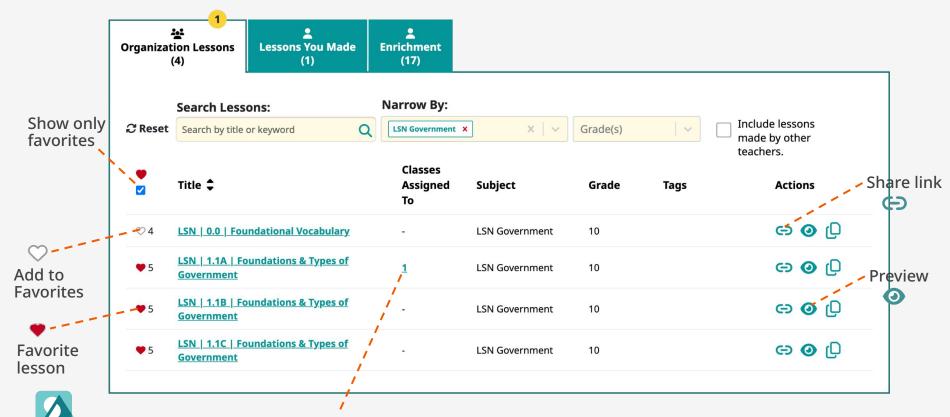


Press **Manage Class Roster** if you need to override your SIS.

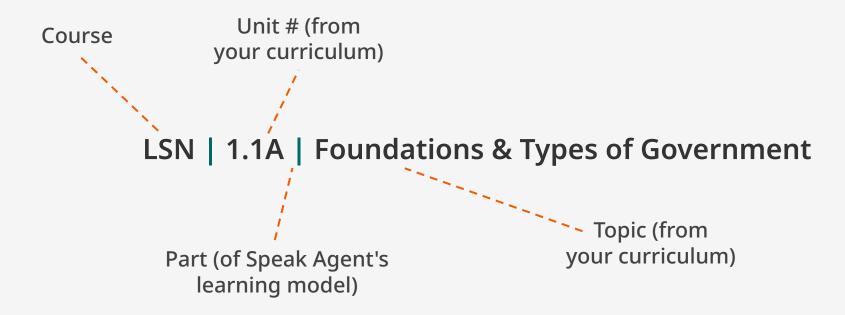


To find a lesson, go to **Lessons** and search by topic or filter by course.

Lesson Search Tips



How Lessons Are Named





Most Lessons Have Three Parts: A, B, C

Part A: Aquire the Vocabulary	Part B: Build Comprehension	Part C: Communicate Reasoning
Introduces the academic vocabulary to enable students to access content.	Builds background knowledge and connects content to the real world.	Students build content knowledge by communicating their thinking.
Engages students in listening, speaking, and morphology practice using visual aids.	Engages students in reading and interacting with simplified but age-appropriate texts.	Ramps up the text complexity and adds opportunities for open-ended expression.



How Lesson Parts Are Named

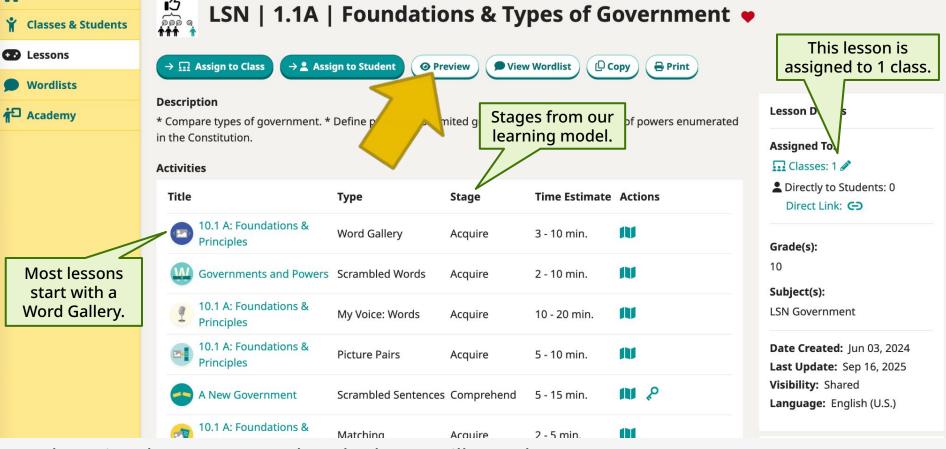
This is Part A of the lesson. LSN | 1.1A | Foundations & Types of Government LSN | 1.1B | Foundations & Types of Government This is Part B of the lesson.



Why Do Lessons Have Multiple Parts?

- It delivers the material in chunks that are manageable for you and not overwhelming for students.
- It gives you flexibility with pacing and differentiating instruction for your classes and students.
 - We generally recommend assigning the parts in order, but the decision is up to you.
 - Part A generally works best at the start of a new unit or topic.
 - Part B generally works best as the class digs deeper into the topic.
 - Part C is designed for use at the end of the unit.
- It ensures that students have a variety of ways to stay engaged with the key academic concepts and content.





What's in a lesson? Let's take a look! We will start by previewing the lesson as a student.

Home







My Work (2) demo@pgcps.org















LSN | 1.1A | Foundations & Types of Government

Complete the activities to finish this lesson.













Preview a lesson to see what the student experience is like and/or use preview mode to run teacher-led activities. Close the tab to go back.







My Work (2) demo@pgcps.org













LSN | 1.1A | Foundations & Types of Government

Complete the activities to finish this lesson.



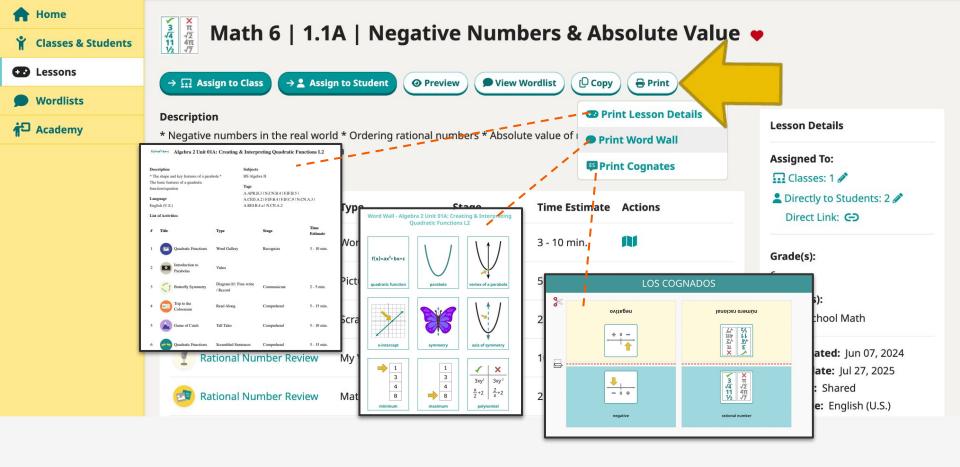








Click an activity to launch it! No progress will be recorded in preview mode. Use this to run activities on the big screen.



You can optionally Print PDFs of the lesson plan, a word wall, and/or Spanish cognates.



Math 6 | 1.1A | Negative Numbe



Wordlists

Classes & Students



Assign to Class			200







Description

* Negative numbers in the real world * Ordering rational numbers * Absolute va numbers and absolute values with sea

Activities

Title	Туре	Stage	1
Rational Number Revie	w Word Gallery	Recognize	3
Rational Number Revie	ew Picture Pairs	Recognize	Ę
Rational Number Revie	ew Scrambled Words	Recognize	2
Rational Number Revie	w My Voice: Words	Recognize	1
Rational Number Revie	w Matching	Recognize	2



Title

Rational Number Review

Stage

Recognize



Time To Complete

3 to 10 minutes

Learning Goal & Strategy

Word Gallery introduces new vocabulary through multimodal practice. It includes two views: a word wall and an image gallery. Each word in the gallery comes with photos and illustrations that display well on a big screen.

- Present new words by sharing your screen with the class.
- Encourage class participation by asking what students already know about each word or image. Use this to discover any misconceptions.
- Finally, ask students to review the unit vocabulary independently.

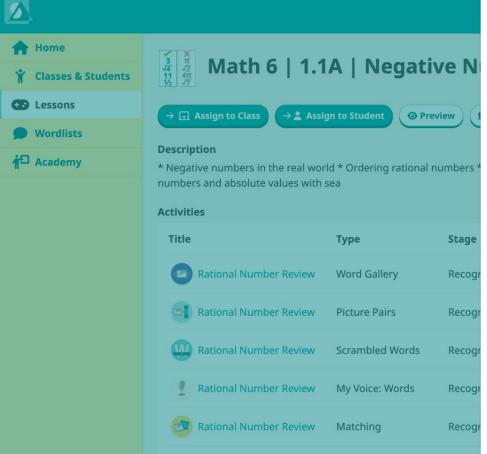
Communication Modes







Click the guide icon to learn how to use each activity.

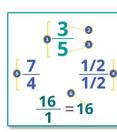


Fraction Frenzy

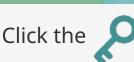
Diagram It!: Label Answer Key

Print Answer Key

Diagram



Slot Number	Word Or Phrase
1	fraction
2	numerator
3	denominator
4	complex fraction
5	improper fraction



key icon to see answer keys, where applicable.

X

Putting It Into Practice

Let's first take a look at what you'll need to do to start using Speak Agent in your classroom.

- Instructional guidance
- Assigning lessons
- Sharing and collaboration



Instructional Uses—Flexible to Classroom Needs

SAMPLE BLOCK - OPTIONS

Bell Ringer. Students sign in and get to work as soon as they enter the classroom!

Lesson. Teachers introduce new concept using a Speak Agent activity. Students keep Word Gallery open as a reference tool.

Small Group. Teacher leads instruction in small groups or pairs.

Independent Practice. Students not in groups engage in self-paced work.

Exit Ticket. Put a Speak Agent activity up on the big screen to engage in whole-class reflection—or use a writing activity as an exit ticket.

At Home. Assign Speak Agent as homework—or let students try bonus activities.



Dosage

SAMPLE Plan for One Week						
Day	Monday	Tuesday	Wednesday	Thursday	Friday	
Speak Agent Activity	Word Gallery	My Voice & Scrambled Sentences	Read Along & Matching	Vocab Lab	Explain Your Work	
Setting	Whole Group	Pairs	Independent	Small Group	Independent	
Time on Task	5m	15m	15m	10m	15m	

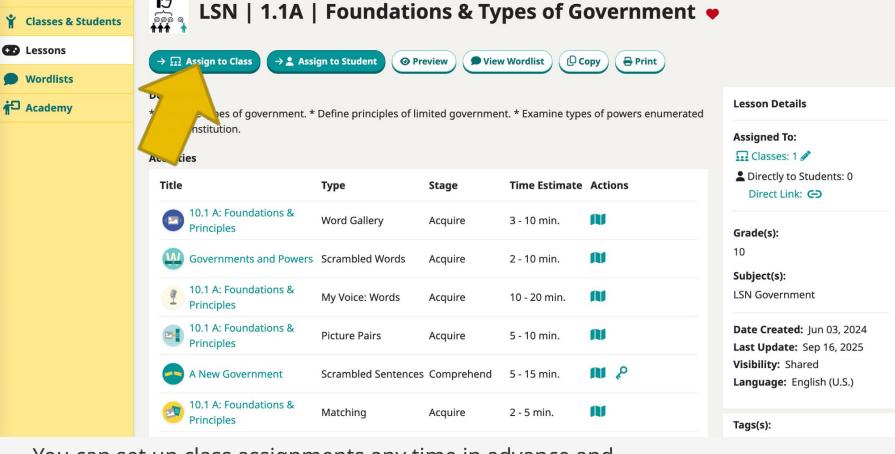


The recommended dosage is **4 hours per month**.

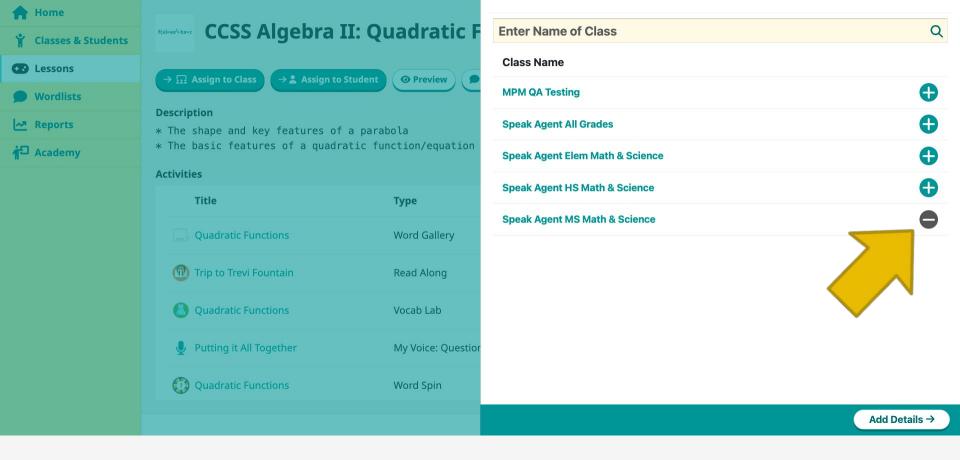
Assignments

- Once you've selected a lesson to assign, just go to the lesson to assign it to your classes or students.
- You can also manage assignments from a class page and it will work pretty much the same as we show here...

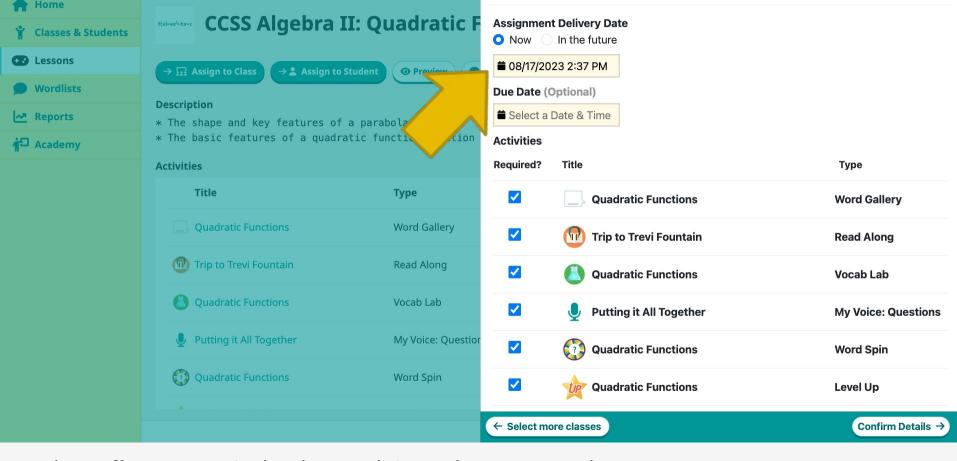




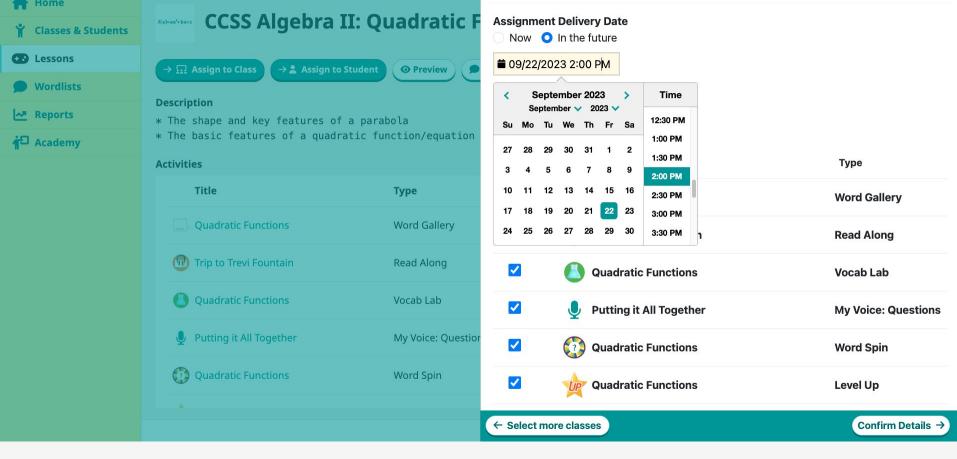
You can set up class assignments any time in advance and set a start time for your students in a later step.



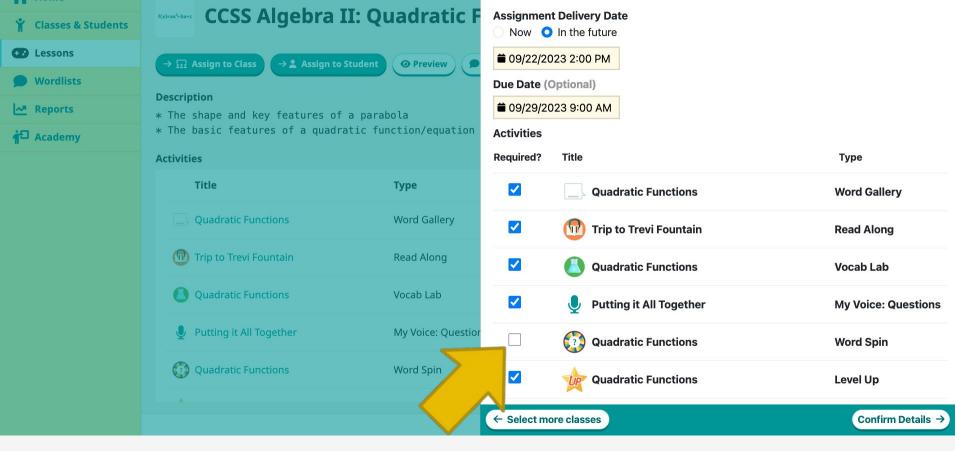
Choose the class you want to receive the assignment. Press the plus icon and then Add Details.



The **Delivery Date** is the date and time when your students will see the lesson in their account. It stays <u>hidden</u> until then.



Choose your preferred date and time for delivery. You can also optionally set a **Due Date** for students to finish the lesson.

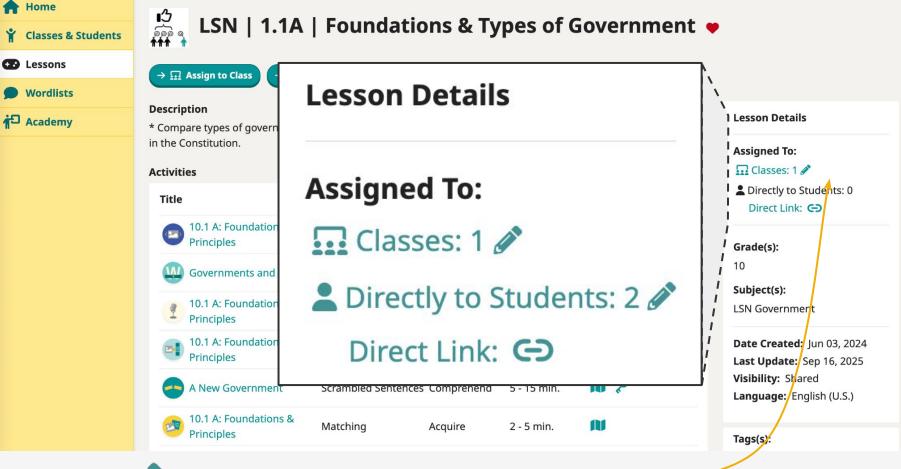


If you want to make an activity optional, just uncheck the box. This makes it a "bonus activity" for your students.

Managing Assignments

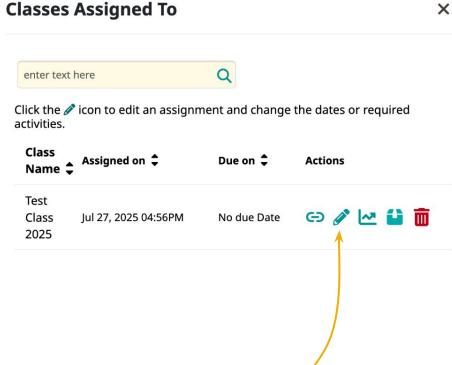
- After you assign a lesson, you can change it:
 - Remove
 - Archive
 - Edit
- You can do this from either of these places:
 - the lesson that you assigned
 - the class/student who received the assignment

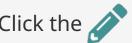




edit icon to modify an assignment.

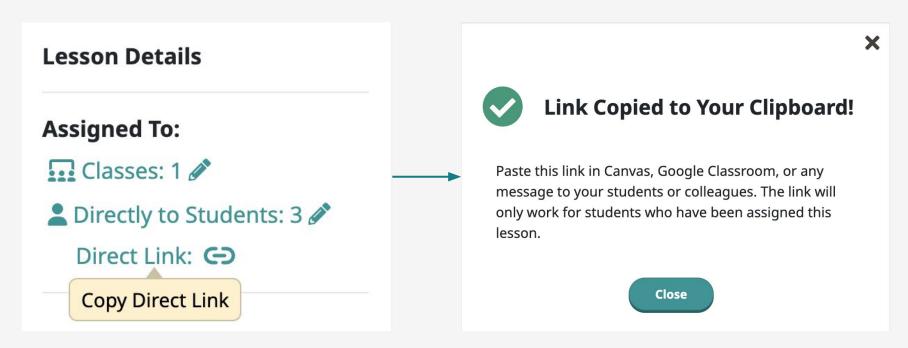






Click the edit icon next to the assignment you want to modify.

Sharing a Lesson with Students

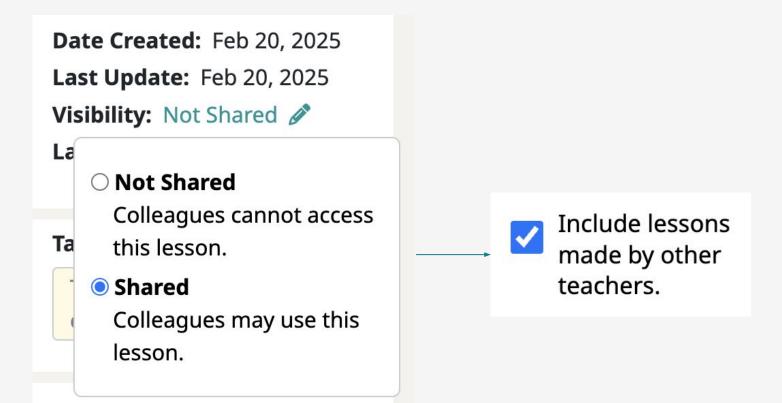


On the right sidebar of the lesson, click the link icon: (=). Now paste the link in Canvas, Google Classroom, or any other tool.

Sharing a Lesson with Colleagues

- Share a lesson using the direct link:
- If you make your own lesson, you can make it visible in the search results for teachers in your school district (but not other districts). See next slide.





If you want your lesson to show up in search results for colleagues in your district, change the visibility to **Shared**.

Collaborating with Co-Teachers

- Co-teachers/specialists get full access to class/student assignments, data reports, and other features.
- You can also collaborate with paraprofessionals and long-term subs.
- We automatically grant them access, but only if they are set up correctly in your SIS.
 - They need to be a teacher on the class section in the SIS.
 - This will generate a login for them (through Clever), add them as a teacher of your class, give them access to all the students, and let them manage assignments.
 - Tell your school scheduler to give them a "teacher" role in the SIS for your class section.
 - If you need an urgent workaround, please contact our support team!



Recap: Getting Started

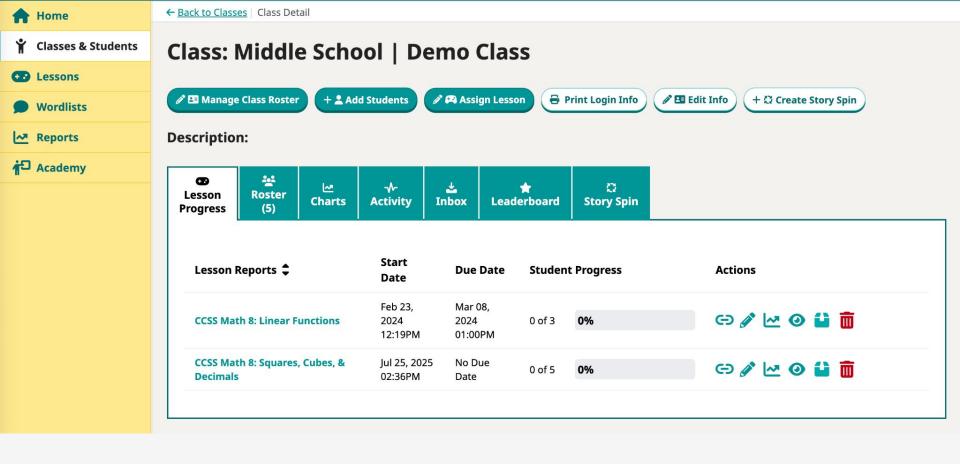




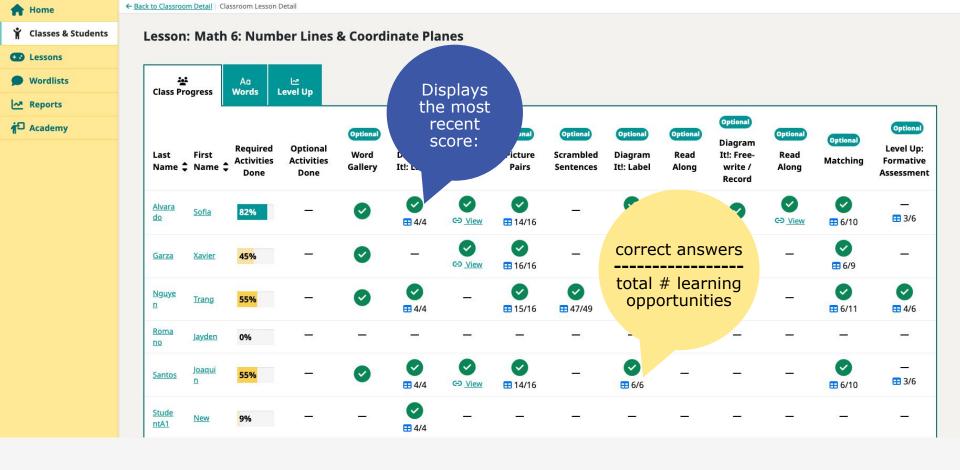


Progress Monitoring

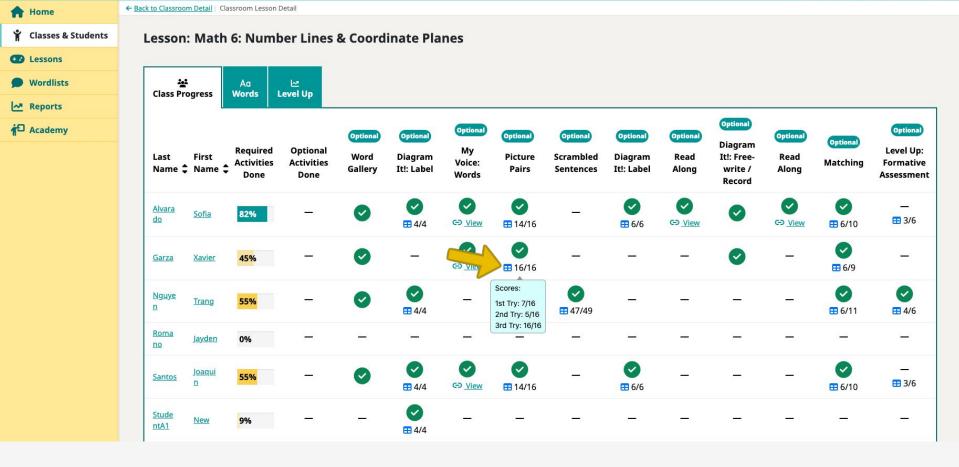




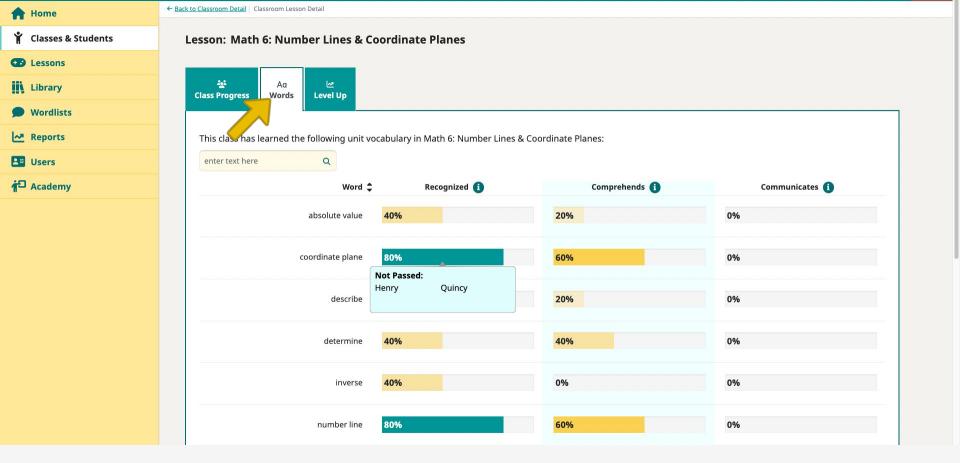
The **Lesson Progress** tab gives you access to all lesson reports for assignments made to the class.



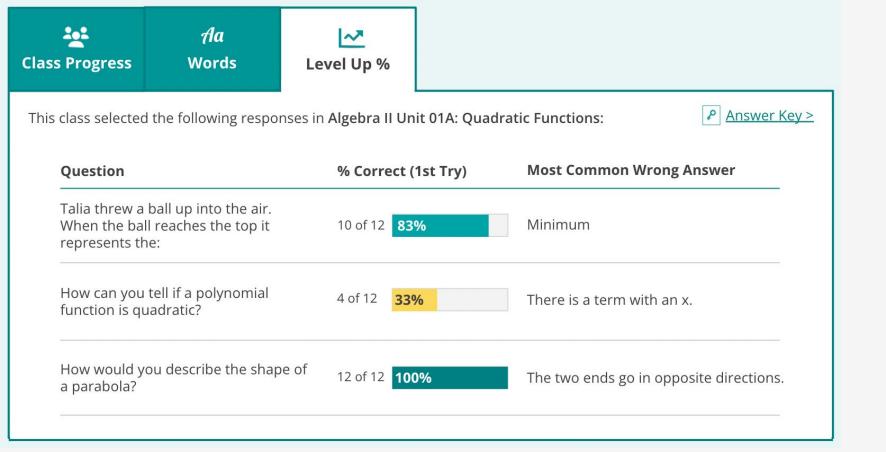
Lesson reports show student progress and scores.



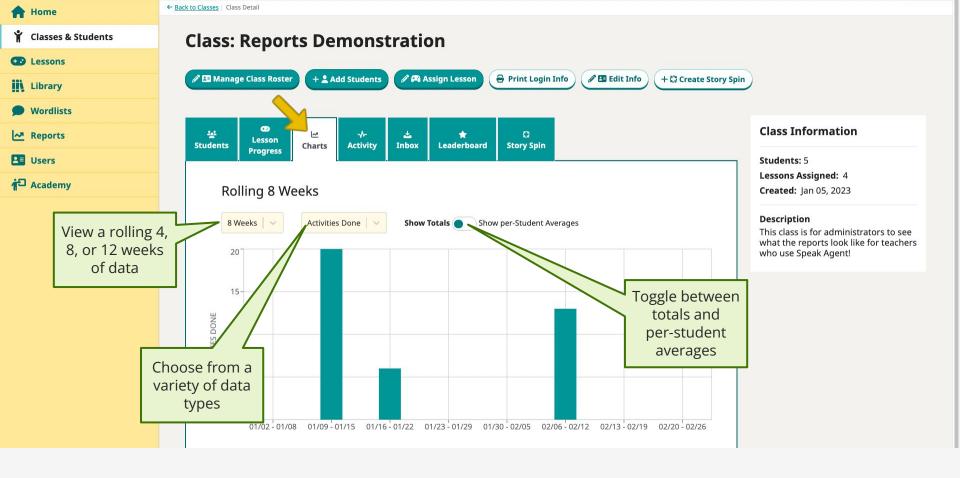
Click a student's name for their individual report. To see a portfolio item, click the **View** link.



Choose the **Words** tab to see class vocabulary progress for the current lesson. Hover your mouse over a bar to see details.



Choose the Level Up tab to see the results of end-of-unit knowledge checks. Hover your mouse over a bar to see details.



Use the **Charts** tab to view class usage and progress trends.

Sign Up for Weekly Progress Reports



Honor Roll

This section lists any students who scored 100% on an activity on their first try in the past week.



Vocabulary Champs

This section lists any key academic concepts or words that your students mastered in the past week. For example, if it reads *isosceles triangle (+3)*, that means three students learned it.



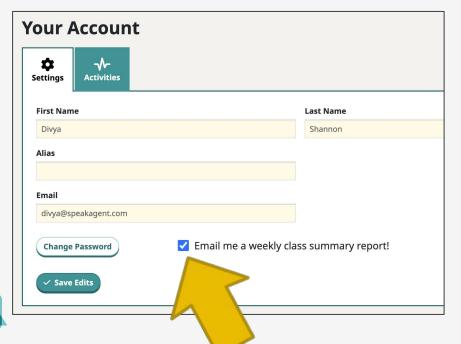
Students Who Need Support

This section lists the names of students who have struggled with an activity in the past week. We determine this if they failed to finish an activity after **five tries**. Click their name to see details.



Here's How:





When will my email arrive?

Every Sunday night.

Will it cover all my classes?

Yes, a single weekly email has data for all of your students across all class sections.

How do I opt out?

You will <u>not</u> be automatically signed up. You can opt in or out at any time.



Recap: Progress Monitoring





Deep-Diving Data Monitoring

PD 204: Student **Progress Monitoring**

PD 205: School Data Leadership





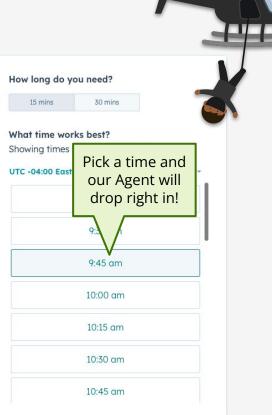
Support



Personal Coaching by Zoom









Your Mission Hub

Find everything you need to start your mission in one place!

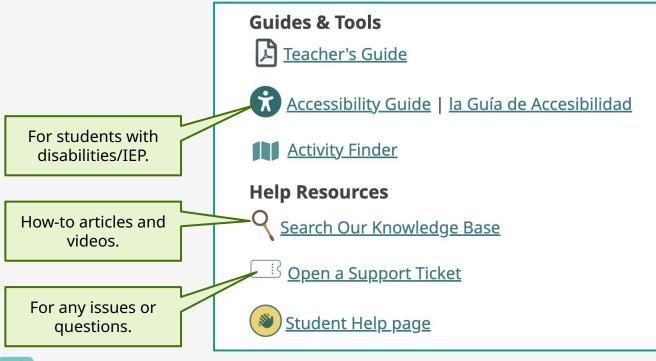
speakagent.com/pgcps







What's on the Mission Hub?







Takeaways



Are you ready to get started?

Getting Started Checklist

- Check your class rosters.
- Find your **first lesson** and preview it.
- Plan your first week of Speak Agent. (Optional: Use the **planner**.)
- **Assign** the first lesson to your classes.
- Model the first few activities on the big screen to get students familiar with them. Communicate expectations for speaking and writing activities.

If you need help, visit the PGCPS Mission Hub at speakagent.com/pgcps.



Thank you for participating!

in PD Course 101





Gremlins got your notes? We'll share slides!







