

Collaborative Growth: Leveraging PLC Strategies in the Classroom with Formative

with Lake Travis ISD & Formative



LAKE TRAVIS
INDEPENDENT SCHOOL DISTRICT



Welcome!



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Objectives and Overview

EXPLORATION



Explore **Formative** through the lens of your students.

CONVERSATION



Discuss the actionable data that can be collected.

REVIEW



Dig into standards aligned data within your classroom(s).

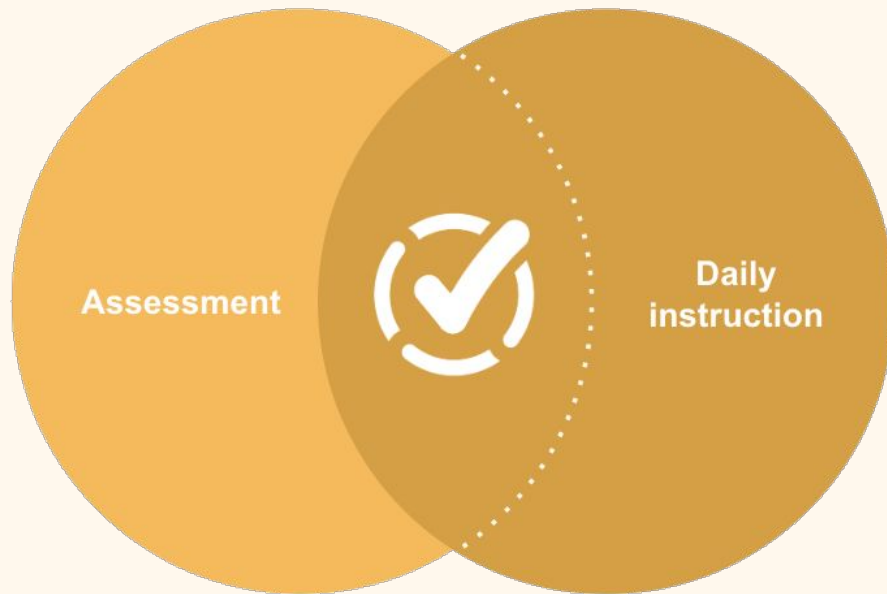


Product overview



Where assessment accelerates growth

Administer assessments, deliver data-informed instruction, and provide targeted feedback—all in one place **to accelerate student growth.**



Scalable assessments

Easily scale assessments across classrooms, schools, and districts to accomplish instructional goals.

Data-informed teaching

Give teachers real-time insights into students' understanding of instructional content, accelerating classroom feedback loops with adjustments to teaching and targeted student feedback.

Ongoing collaboration

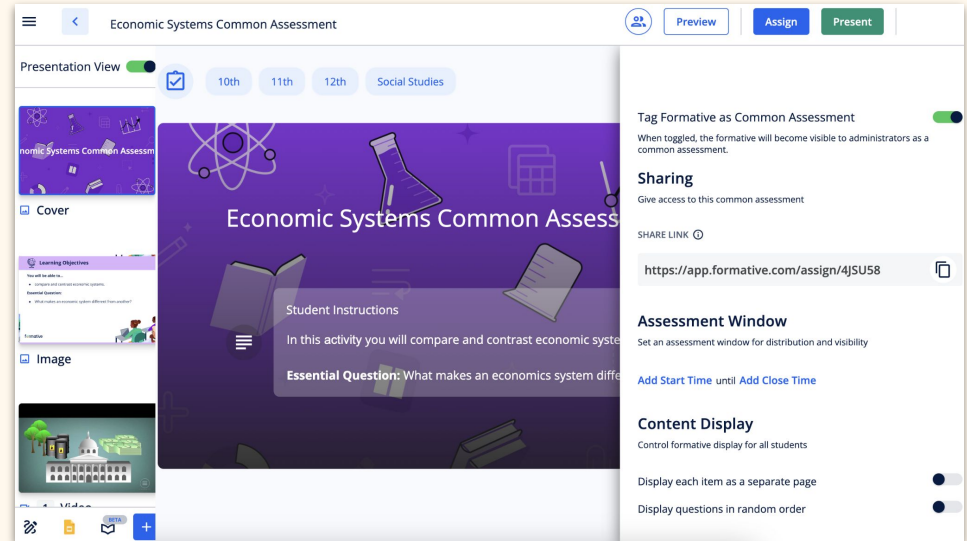
Foster collaboration among departments and professional learning communities to co-create assessments and share resources, data, and best practices, advancing consistent and high-quality instruction for every student.

Actionable data

Get a complete picture of district-wide student progress with real-time, centralized data from daily classroom activities to periodic assessments, ensuring learning stays on track to meet end-of-year goals.

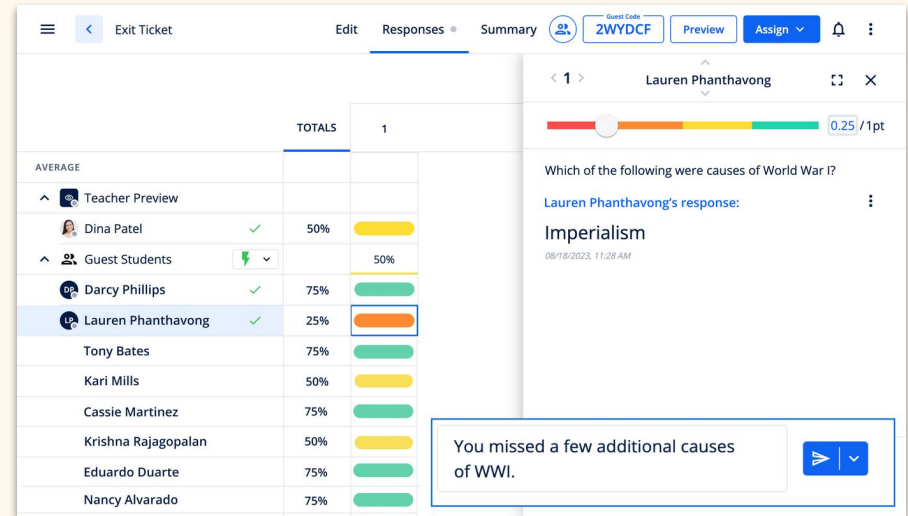
Easily scale assessments across classrooms, schools, and districts

- **Ensure fidelity in administration** with common assessment settings, secure exam environments, controlled grading, and set time windows.
- **Create high-quality assessments** using 20+ question and content types for daily classroom activities to periodic district assessments.
- **Save time by streamlining assessment management** with bulk creation tools, tagging, filtering, and easy PDF conversions.



Give teachers real-time insights into students' understanding of instructional content

- **Easily create and deliver activities** for any grade or subject using a variety of multimedia.
- **Add formative assessments at any point during instruction** with 20+ question and content types.
- **View student responses in real-time and provide direct feedback** through text, audio, video, and more.



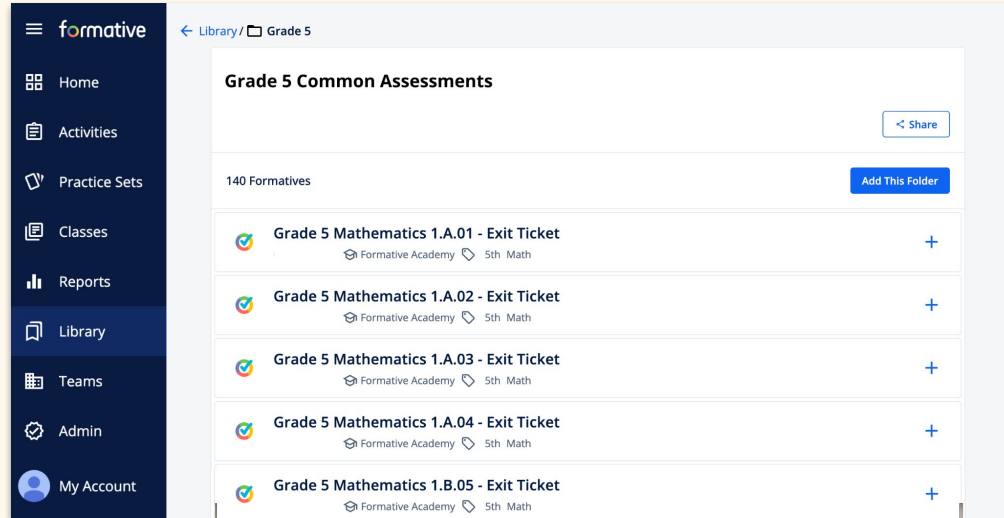
The screenshot displays the Formative interface for an assessment titled "Exit Ticket". The interface includes a navigation bar with "Edit", "Responses", and "Summary" tabs. A "Guest Code" of "ZWYDCF" is visible, along with "Preview" and "Assign" buttons. A progress indicator shows "1" out of 1 question.

		TOTALS	
		1	
AVERAGE			
Teacher Preview			
Dina Patel	✓	50%	<div style="width: 50%;"></div>
Guest Students	⚡	50%	<div style="width: 50%;"></div>
Darcy Phillips	✓	75%	<div style="width: 75%;"></div>
Lauren Phanthavong	✓	25%	<div style="width: 25%;"></div>
Tony Bates		75%	<div style="width: 75%;"></div>
Kari Mills		50%	<div style="width: 50%;"></div>
Cassie Martinez		75%	<div style="width: 75%;"></div>
Krishna Rajagopalan		50%	<div style="width: 50%;"></div>
Eduardo Duarte		75%	<div style="width: 75%;"></div>
Nancy Alvarado		75%	<div style="width: 75%;"></div>

The right-hand panel shows the question: "Which of the following were causes of World War I?". The student's response is "Imperialism". A feedback message states: "You missed a few additional causes of WWI." The score for this question is 0.25 / 1 pt.

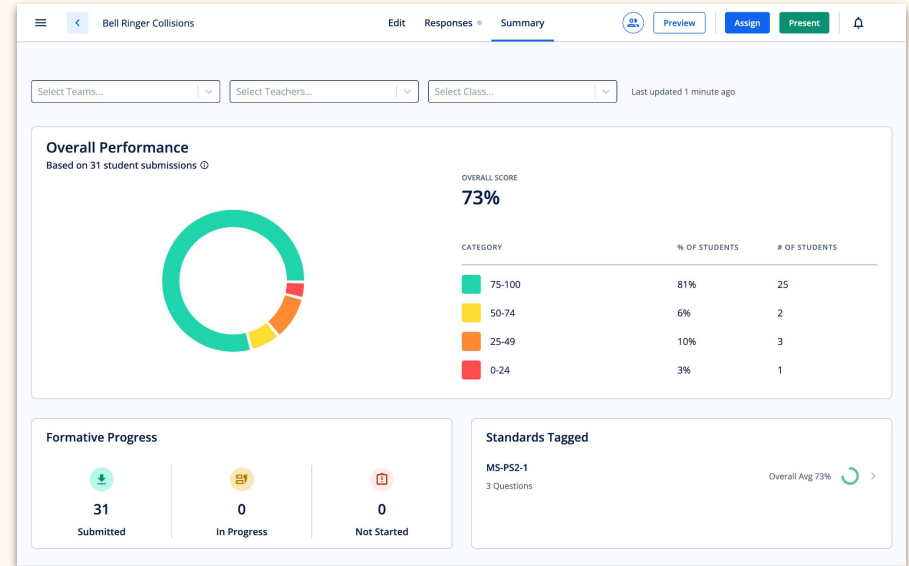
Foster collaboration among departments and professional learning communities to co-create assessments and share resources, data, and best practices

- **Enable teachers across the district to share and collaborate** on instructional activities and assessments.
- **Empower departments and professional learning communities** to manage shared libraries of pre-made activities for daily instructional support.
- **Get consistent data collection** with common assessment configurations.



Get a complete picture of district-wide student progress with real-time, centralized data from daily classroom activities to periodic assessments

- **Gain granular insights into student performance** with detailed item-level overviews on standards, questions, and item types.
- **Track standards progress over time** by viewing student and teacher responses to specific standards.
- **Review data by teacher, class, and individual students** using the comprehensive Teachers Report and Team Tracker.



Lake Travis ISD partners with Formative to empower teachers with authentic assessments and real-time results. These assessments help drive the work of our PLCs by providing actionable data for teachers and teams.

Professional Learning Communities at Work

1. What do we want all students to know and be able to do?
2. How will we know if they learned it?
3. How will we respond when some students do not learn?
4. How will we extend the learning for students who are already proficient?

The Formative Impact

Formative has changed the way we track data and what we focus on during our PLC time. We can all work on the same Formative template to address "What do we want students to know and be able to do?" When we are all on the same document during PLC, we can accomplish so much!

We then use that data to address "How will we respond when students struggle?" by pulling out student groups who were challenged by certain TEKS.

- **Mary Catherine Thornhill**, History 7, Lake Travis Middle School

Let's take a look at the Formative experience!



The image shows a screenshot of the Formative Experience interface, framed by a thick yellow border. At the top left is a red square icon with white illustrations of books, a lightbulb, and documents. To its right, the text "Formative Experience" is displayed in a dark blue font. Below this, "5 Questions" is written in a smaller dark blue font. A horizontal light blue bar separates this section from the bottom section. The bottom section features a QR code on the left. To its right, the text "Join Formative" is followed by a copy icon and the URL "https://frm.tv/join" in blue. Below the URL, the text "Enter Join Code" is followed by six white rounded rectangular buttons containing the letters "G", "N", "F", "D", "Z", and "7" in dark blue.

Formative Experience

5 Questions

Join Formative 

<https://frm.tv/join>

Enter Join Code

G N F D Z 7

Turn and talk

What did you like about the student experience in Formative?

What do you wonder about the student experience in Formative?



Real-time Student & Teacher Connections

"Formative has forever changed how quick, frequent feedback is given in my classroom. Students work hard on their Formatives to get the problems to turn green. The conversation with students has completely changed from "Am I correct?" to "What am I doing wrong?" There is a huge difference in the shift in those questions. I am able to help more students better with Formative."

- **Amy Shan**, Chemistry, Lake Travis High School



Group by Standards

AZ Active

Settings 0

Exp

Class Average Overall Score

TOTALS	1	2	3	Overall	8.B 4	Overall	8.4.D 5	7	8	9	Class Average Score by Standard	Overall	8.15.D 6	Overall	12
75%	53%	82%	35%	56%	71%	71%	90%	71%	88%	71%	81%	88%	88%	75%	
75%				75%		100%						64%		100%	
85%				75%		100%						82%		100%	
83%				75%		0%						100%		100%	
88%				75%		100%						100%		100%	
90%				75%		100%						91%		100%	
75%				100%		100%						64%		0%	
75%				25%		100%								100%	
90%				100%		100%								100%	
18%				25%		0%								0%	
				50%		100%						73%		100%	
				50%		100%						82%		100%	
				50%		100%						100%		100%	
75%				50%		100%						82%		100%	
80%				25%		0%						100%		100%	
70%				50%		0%						73%		100%	
68%				50%		100%						82%		100%	
65%				0%		0%						91%		100%	

Class Average Score by Standard

Class Average Score by Question

Student Score by Standard

Student Response by Question

Student Overall Score

Real-time to Collaborative Team Response

“By sharing our classes with each other we are able to analyze assessments across all of our classes to look for common misconceptions and strategize how we might address an issue in the future. We can also use the data collected from assessments for re-teaching opportunities.”

- **Allison Fisher**, 7th Grade Math, Bee Cave Middle School

Professional Learning Communities at Work

1. What do we want all students to know and be able to do?
2. How will we know if they learned it?
3. How will we respond when some students do not learn?
4. How will we extend the learning for students who are already proficient?

Data-Driven Improvement Pathway

- Read across the heading columns left to right and find an area of focus
- Work down the column to answer and discuss questions
- Today, focus on the highlighted boxes

Data-Driven Improvement



How will we use assessment data or student work samples to monitor student learning and reflect on professional practice?

Analyze Assessment Data	Analyze Examples of Student Work	Analyze Strategies	Identify Student Proficiency Levels	Reflect on the Quality of Items & Answer Choices
Consider the overall assessment data...	Consider specific student work samples...	Consider the strategies used to teach the material...	Consider student performance...	Consider the questions used on the assessment...
What assessment data did members bring to discuss as a team? <i>Compile and review the assessment data that team members bring for discussion.</i>	What student work samples did members bring to discuss as a team? <i>Collect and review the student work samples that team members bring for discussion.</i>	What instructional strategies did the team use? <i>Identify the instructional strategies utilized by the team for this unit of study.</i>	Which students were proficient? What patterns do you notice about these student answers? <i>Identify proficient students and analyze patterns in their answers.</i>	Which items did large numbers of students answer incorrectly? Why? <i>Identify the items answered incorrectly by large numbers of students and analyze the reasons for these errors.</i>
What are the overall team proficiency rates for each assessed target? <i>Identify and analyze the overall team proficiency rates for each assessed target.</i>	What patterns do you see in samples of student work you deem proficient? <i>Identify and analyze the patterns observed in student work samples that demonstrate proficiency.</i>	Which strategies does the data indicate were successful? Cite evidence. <i>Analyze the data to identify successful strategies and provide supporting evidence.</i>	Which students were close to proficient? What patterns do you notice about these student answers? <i>Identify students who were close to proficient and analyze patterns in their answers.</i>	To what does the team attribute this large number? <i>Analyze factors contributing to the large number of incorrect answers, such as academic vocabulary, team grazing, and confusing answer choices.</i>
What are the proficiency rates of each target by class? Are proficiency levels higher in some classes than others? Why? <i>Analyze the proficiency rates of each target by class to determine if levels vary and explore the reasons for any differences.</i>	What patterns do you see in samples of student work you deem below proficient? <i>Identify and analyze the patterns observed in student work samples that do not demonstrate proficiency.</i>	Which strategies does the data indicate were unsuccessful? Cite evidence. <i>Analyze the data to identify unsuccessful strategies and provide supporting evidence.</i>	Which students were below proficient? What patterns do you notice about these student answers? <i>Identify students who were below proficient and analyze patterns in their answers.</i>	How would rephrasing the item (while maintaining the rigor level of the standard) impact student answers? <i>Evaluate how rephrasing the item, while maintaining the standards rigor, could affect student responses.</i>
Which items did students most often answer incorrectly? What patterns do you see among wrong answers? <i>Identify the items students most frequently answered incorrectly and analyze the patterns in their wrong answers.</i>	Which items did students most often answer incorrectly? What patterns do members see among incorrect responses? <i>Identify the items students answered incorrectly and analyze the patterns in their incorrect responses.</i>	How can the team refine these strategies to make them more successful? <i>Discuss and develop plans to refine strategies for increased effectiveness.</i>	Which students were beyond proficient? What patterns do you notice about these student answers? <i>Identify students who were beyond proficient and analyze patterns in their answers.</i>	Which items did a large number of students answer correctly? <i>Identify the items that a large number of students answered correctly.</i>

07:00

Mock PLC Activity

Form a mock PLC to review the Formative data.

1. Create groups of three (3) or four (4).
2. Choose the STEM or Humanities Formative to review.
3. Use the Formative data to respond to the questions highlighted on the Data-Driven Improvement pathway.

03:00

Discussion Question

How did the Formative data dashboard experience shape your ability to respond to the PLC questions on the Data-Driven Improvement pathway?

Accessible Path to Actionable Data

"I love using Formative because it's extremely user-friendly for creating assessments, modifying existing assessments, and viewing student data within an assessment. It could be used for any subject, and the available math question types and formatting options are surprisingly sophisticated."

- **Sara Mielke**, LTHS Math Teacher

3 ways to make data work better for *everyone*, and bring it to life in you PLCs



1

Apply real-time insights at the student, class, and district level to make instructional decisions

2

Track progress towards shared goals with standards-aligned reporting

3

Collaborate on activities with teachers across your district to support everyday instruction

1 Apply instant insights

Make instructional decisions with **instant insights** at the student, class, *and* district level.

Use data-rich, flexible digital tools that **work with any content** to actively capture learner insights.

		TOTALS	1	2	3	4	5	6	7	8	9	10
	Fourth Period Algebra	77%	71%	75%	67%	69%	98%	96%	58%	100%		95%
	Terrence Barajas	96%	Green	Green	Green	Green	Green	Green	Yellow	Green		Green
	Tony Bates	88%	Green	Green	Green	Green	Green	Green	Yellow	Green		Green
	Kari Mills	92%	Green	Green	Yellow	Green	Green	Green	Yellow	Green		Green
	Cassie Nguyen	95%	Green	Green	Grey	Green	Green	Green	Yellow	Green		Green
	Lacey Mahoney	84%	Green	Green	Yellow	Red	Green	Green	Yellow	Red		Green
	Carlos Davies	84%	Green	Green	Green	Green	Yellow	Red	Green	Yellow		Green
	Chase Li	81%	Green	Green	Red	Green	Green	Green	Yellow	Green		Green
	Mindy Frye	87%	Green	Green	Green	Red	Green	Green	Yellow	Green		Green
	Sandy Akello	79%	Green	Yellow	Green	Green	Green	Green	Yellow	Red		Green
	Krishna Rajagopalan	77%	Red	Green	Green	Red	Green	Green	Green	Green		Green
	Joshua Ashley	75%	Green	Yellow	Yellow	Green	Green	Green	Yellow	Green		Green
	Janice Rodgers	75%	Green	Yellow	Yellow	Green	Green	Green	Yellow	Green		Green
	Nancy Alvarado	74%	Red	Green	Yellow	Green	Green	Green	Yellow	Green		Green
	Eduardo Duarte	75%	Red	Green	Grey	Red	Green	Green	Green	Green		Green
	Gabriella Reeves	70%	Green	Yellow	Red	Red	Green	Green	Yellow	Green		Green
		70%	Green	Yellow	Red	Red	Green	Green	Yellow	Green		Green

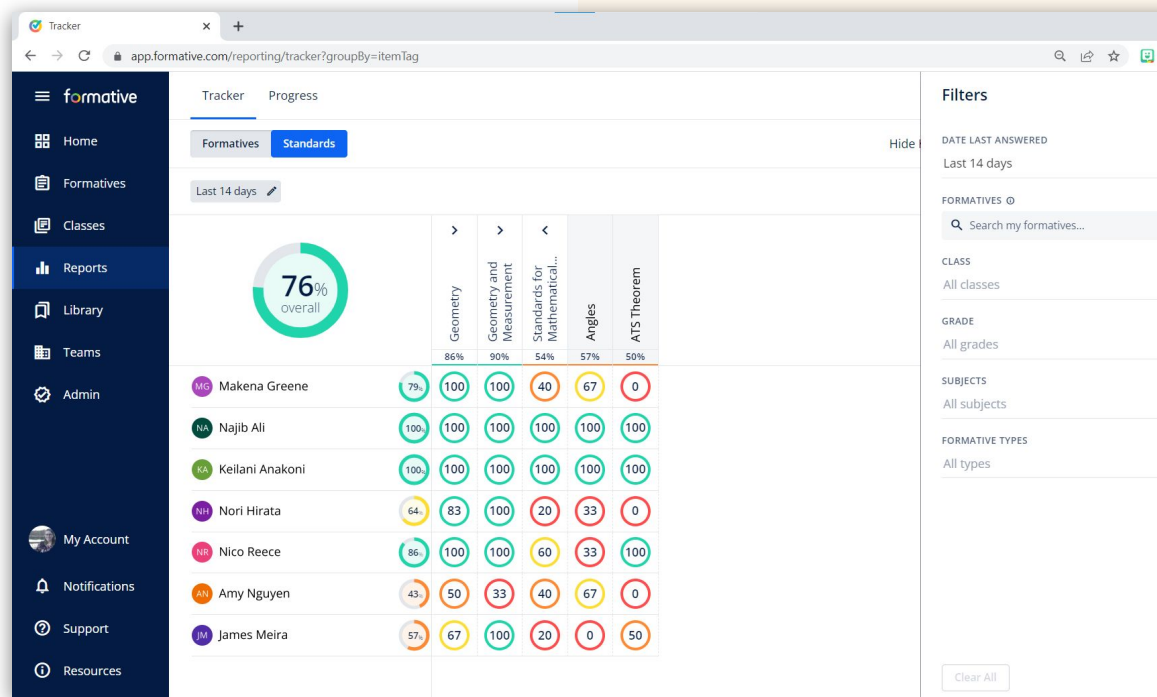
Live response tracking

2 Track progress towards shared goals

Tag and filter student responses to **quickly identify gaps** in standards mastery.

View performance by buildings, teachers, classes and **see growth over time**.

Give PLC leaders admin rights to **share and analyze team data**.



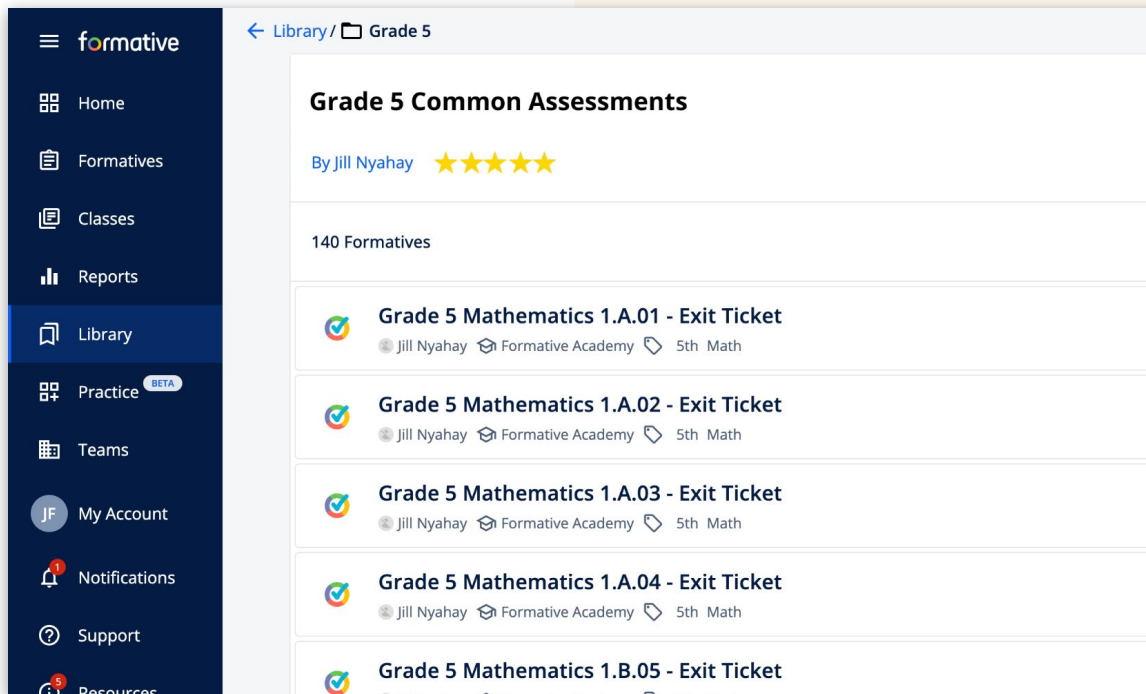
Standards-aligned reporting

3 Collaborate across your district

Easily implement and share best practices across departments, PLCs, and your district.

Publish formatives to a shared, private library for collaborators to use or make a copy to edit

Teachers and admins have visibility and access to common assessments through a shared folder.



Shared activities folder

Thank You.

We're so excited to support your teachers and students!