

Imagine Math PreK–2

Data Best Practices for Educators



imagine
math

Best Practices for Educators

Imagine Math PreK-2 reports provide educators with real-time data on progress and content mastery. This guide is designed to help educators identify the critical metrics that will provide actionable evidence about student performance. It also provides a straightforward routine that empowers educators to quickly analyze data trends and take action to ensure meaningful learning.

Metrics to Monitor

The time students spend working in Imagine Math PreK-2, lesson completion, and proficiency contribute to student success in the program. Depending on your experience level with Imagine Math PreK-2, you can monitor available data at a basic, intermediate, or advanced level.

BASIC: DASHBOARD, USAGE REPORT, STUDENT ACTIVITY REPORT

The **dashboard** gives an at-a-glance overview of student progress and performance. The dashboard displays lessons attempted, average weekly math time, a graph showing benchmark proficiency, and leaderboards. We recommend educators view daily.

- **Lessons Attempted:** graph displaying how many lessons students have attempted (0, 1-14, 15-29, or 30+ lessons), YTD
- **Average Weekly Math Time:** average time students spend on the program per week, YTD

The [Usage Overview Report](#) provides information about student performance in and usage of Imagine Math PreK-2. Teachers and school administrators can subscribe to receive weekly emailed reports. We recommend educators view the Usage Report weekly, using the data to analyze ongoing needs.

- **Active Students:** the number of students who submitted an answer for at least one math problem
- **Total Math Time:** amount of time students used Imagine Math, including school and home time
- **Avg Lessons Attempted:** the average number of lessons that students attempted, whether passed, failed, or retaken
- **Avg Lessons Passed:** the average number of lessons passed where students collected all tokens in the lesson

The [Student Activity Report](#) provides a status for student activity within Imagine Math. Teachers can identify which students are logged in or out, and on which lesson, activity, and item number the online students are working.

INTERMEDIATE: STUDENT PROGRESS REPORT AND BENCHMARK REPORT

The [Student Progress Report](#) provides a detailed view of how students are performing on their pathways. This report is designed to be printed so you can share a student's progress with their family. We recommend that educators view the Student Progress Report throughout the year, using the data to analyze ongoing needs. The data found on this report can be especially valuable when conferencing with students, their families, or when the Usage Report indicates student performance is outside of expectations.

- **Avg. Weekly Time:** the average time a student has spent working on Imagine Math PreK-2 in and out of school
- **On-Grade Lesson Pass Rate:** this includes any lessons students have completed and passed for their rostered grade level
- **Time on Lesson:** the total amount of time that the student has spent working on the lesson (if the lesson is still in progress) or the total amount of time that the student took to complete the lesson
- **Completed:** the date and time that the student completed the lesson
- **Accuracy:** the percentage of questions that the student answered correctly in the lesson

The [Benchmark Report](#) helps educators focus on assessment results and administration. Students complete three benchmark tests over the course of the year. The result of each Benchmark Report is a Quantile® measure, performance level, and instructional grade level. Data from these assessments helps identify changes in student performance between assessments, what concepts the student has mastered, as well as any gaps the student needs to close to demonstrate proficiency. We recommend educators view the Benchmark Report a minimum of three times a year, after the benchmark window closes. Additional viewings of the report can be used for pre-benchmark goal setting.

- **Performance Levels:** the students' Quantile® performance levels from each benchmark test. Each color represents a different performance level. The proficiency marker shows the point at which students are considered proficient in relation to their state's performance levels. (PreK students do not receive a performance level because PreK is not part of the performance level scale.)
- **Avg Weekly Usage:** the average amount of usage per week among the benchmark tests the students have taken, including math time and lessons completed. Usage data will only appear if the students have taken more than one benchmark test.

ADVANCED: MASTERY REPORT AND STUDENT DATA EXPORT

The [Mastery Report](#) provides a view of how students, classrooms, schools, and districts are performing against standards set by their state. We recommend that educators view the Mastery Report throughout the year, using the data to analyze ongoing needs.

- **Developing Mastery Level:** the number of students whose average pass rate is $<40\%$ on exercises related to the standard
- **Approaching Mastery Level:** the number of students whose average pass rate is $\geq 40\%$ or $<70\%$ on exercises related to the standard
- **Proficient Mastery Level:** the number of students whose average pass rate is $\geq 70\%$ on exercises related to the standard
- **Not Encountered:** the number of students who, on their assigned pathway(s), have not completed any lessons related to the standard

The Student Data Export contains data for all rostered students. In addition to the name, SIN, and teachers for each student, the export also contains data on lessons attempted and passed, pass rates, earned tokens, math time, and more. Additionally, benchmark scores, instructional grade levels, Quantile measures, percentile ranks, and NCE are available for all benchmark tests the student has completed.

Implementation Fidelity Recommendations

To use Imagine Math PreK-2 with fidelity, recommended usage is

- 20-30 minutes per session, three times a week
- 2 lessons completed each week
- 30 lessons passed before the end of the year

Reporting Routine

BASIC: ARE YOUR STUDENTS MAKING PROGRESS AND MASTERING CONTENT?

To answer this question, teachers and administrators will find the **Usage Overview Report** helpful. The Usage Overview displays average usage time, average lessons attempted, and average lessons passed.

WHAT DO I DO IF THE DATA SHOWS...

...lessons Passed are significantly below Lessons Attempted?

The teacher may choose to make use of the Printables section of the teacher resources, finding an activity sheet that corresponds with the concepts presented in the lessons in question. This will provide the student with additional practice reinforcing the skills addressed. Teachers can then remind students to visit Treasure Island to revisit the lesson and earn any tokens they did not collect.

...students are not meeting the suggested usage recommendations? Educators can view the **Student Activity Report** to make sure students are logged in and working during the time set aside for Imagine Math, as well as use the data found on the **Usage Report** to see what times of day students are using the program. This information can then be used to identify if students need additional motivation and direction to work on Imagine Math and if additional opportunities to work can be incorporated into their week.

INTERMEDIATE: WHERE ARE SPECIFIC STUDENTS STRUGGLING?

To answer this question, teachers and administrators can view each student's **Student Progress Report**. Here they will find a student's lesson activity including tokens earned, time on lesson, accuracy, and which lessons have unearned tokens and still need work.

WHAT DO I DO IF THE DATA SHOWS...

...a student is not passing prerequisite lessons inserted in their pathway?

The student may benefit from one-on-one support, reviewing lessons from their pathway and using the in-product Imagine Math printable worksheets. This gives the teacher an opportunity to help the student build conceptual understanding of the skills presented in the lessons, supplementing the background knowledge they already have. Additionally, students also benefit from opportunities to learn from and with their peers. To take advantage of this, teachers may choose to implement small-group activities where students can practice skills that reinforce the content covered in the prerequisite lessons. Once the supporting instruction has been offered, students can be encouraged to visit Treasure Island for their unearned tokens.

ADVANCED: WHICH LESSONS SHOULD YOU TARGET FOR SMALL-GROUP RETEACHING?

To answer this question, teachers and administrators can take advantage of the **Mastery Report**. This report lists all standards assessed in any student lesson and the proficiency level of each student on the selected standard. Teachers can reference the Standard Alignments document (found in Teacher Resources) to identify the standards that align with each lesson.

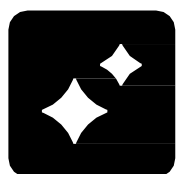
WHAT DO I DO IF THE DATA SHOWS...

...90% of students who have encountered a certain standard are categorized as developing? Teachers can reference the Standards Alignments document to identify the lessons associated with the standard with which students are struggling. The teacher can reteach this skill by implementing a lesson with the whole class, providing opportunities for students to engage in discussion and explore activities that help them develop a conceptual understanding of the content before returning to Imagine Math. Another option would be to integrate the Imagine Math lessons that students are struggling with into the lesson. This provides teachers with the opportunity to reteach the skill using models and representations to build background knowledge. It also allows students to ask questions and clarify their understanding.

Other Resources

Find more resources and help on reports in the Help Center

<https://help.imaginelearning.com/hc/en-us/sections/360012050313-Reports>



imagine
math