

Personal Math Trainer[®]

Reports Guide

GO Math! K-6 © 2015

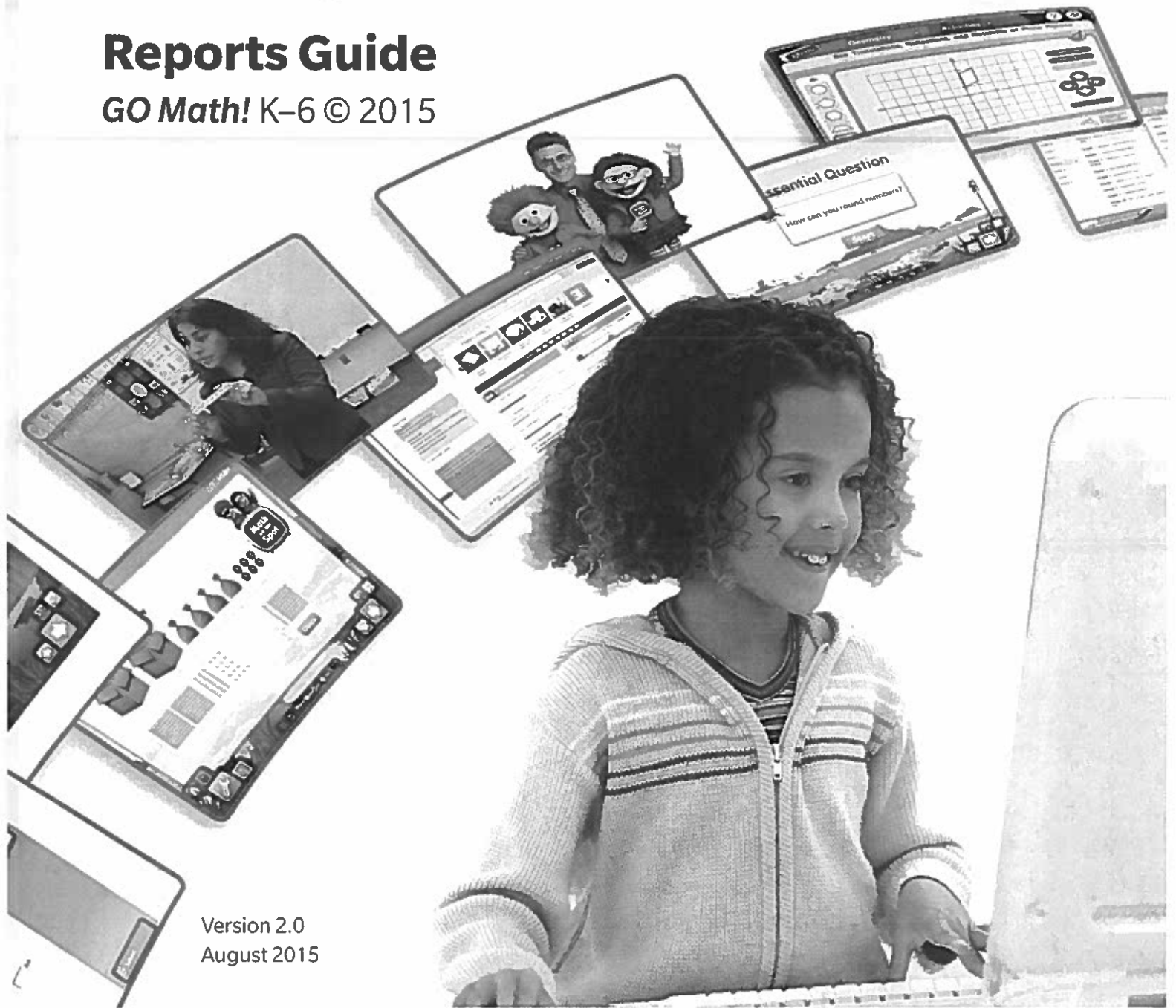
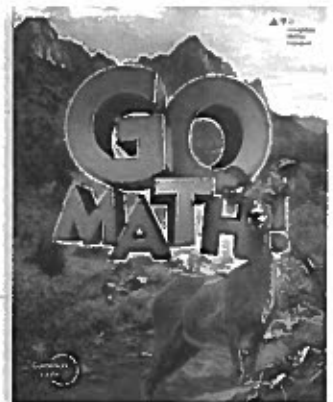
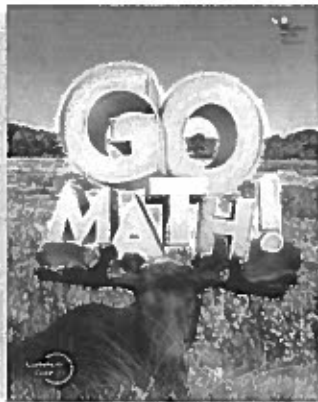
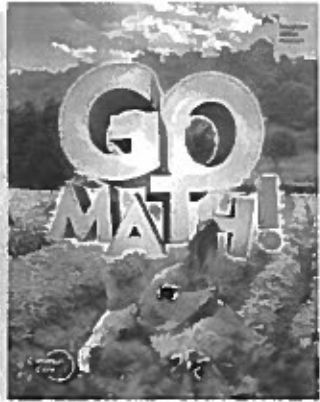
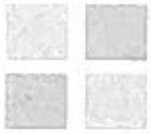


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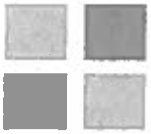
Personal Math Trainer Reports Overview

Your students have completed assignments using the **Personal Math Trainer Powered by Knewton**. Now you want to see how they performed.

No matter which assignment type you choose, the **Personal Math Trainer (PMT)** gives you the reporting tools you need to track your students' proficiency based on standards, concepts, and difficulty level.

The **PMT** reports are designed to provide you with class overviews and help you identify trends. **PMT** reports won't enable you to view an individual student's actual answers on any particular assignment. To see a student's actual answers, click on **View Results** in the list of **PMT** assignments that you've made.





Types of Reports

With **GO Math!**® K–6, teachers can generate a variety of reports to monitor student and class comprehension, compare performance to state standards, track growth and performance on personalized assignments, and identify trends to inform your instruction.

Types of Reports

Report Name	Description
❖ Class Comprehensive Report	Results for Tests and Quizzes, Homework, and Teacher-created Assignments
❖ Knewton Analytics Report	Knewton Analytics for the class and student
❖ Assessments Report	Test and quiz results for specific assessments with NCLB filters
❖ Standards Report	Test and quiz results correlated to state or national standards



When you log in to ThinkCentral, one of the first things you will notice on your Teacher Dashboard is the Reports section.

Here you can view a high-level summary of class performance on assessments and easily access full ThinkCentral online reporting features. The Reports section is a useful tool when you want a quick glance at how your students are performing.



Did you know?

The Reports section on the Teacher Dashboard also serves as a shortcut to the Reports Page, where you can generate the more comprehensive reports described in this guide.

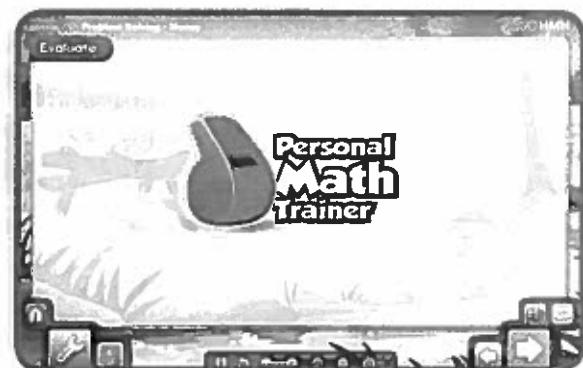
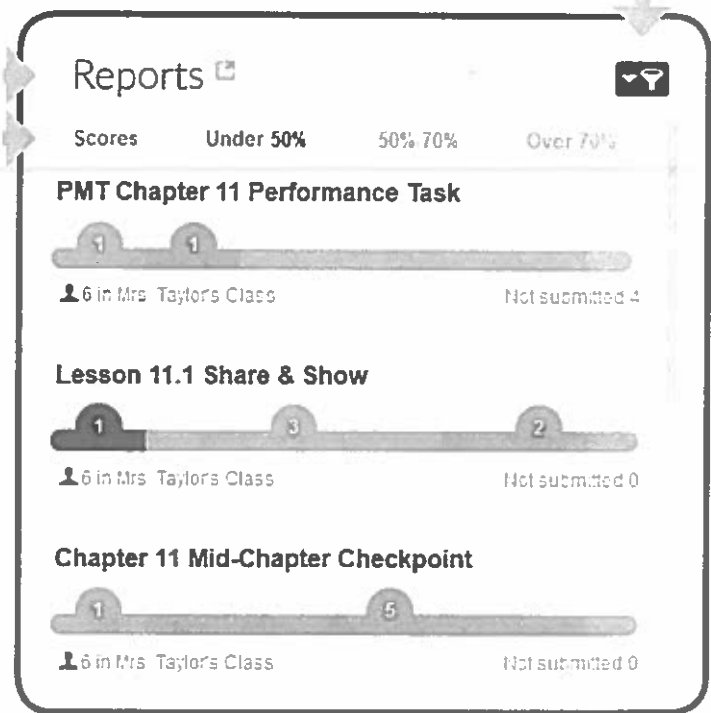
Simply click on Reports to access the Reports Page, where you can dive deeper into data from the **PMT**.

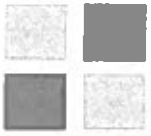
With the Reports Section Filter, you can adjust the settings to view reports for a single class or different duration.

Once an assignment is scored, it moves to the Reports Section where you can view students' recent assessment results.

The assignment overviews show the number of students in four categories:

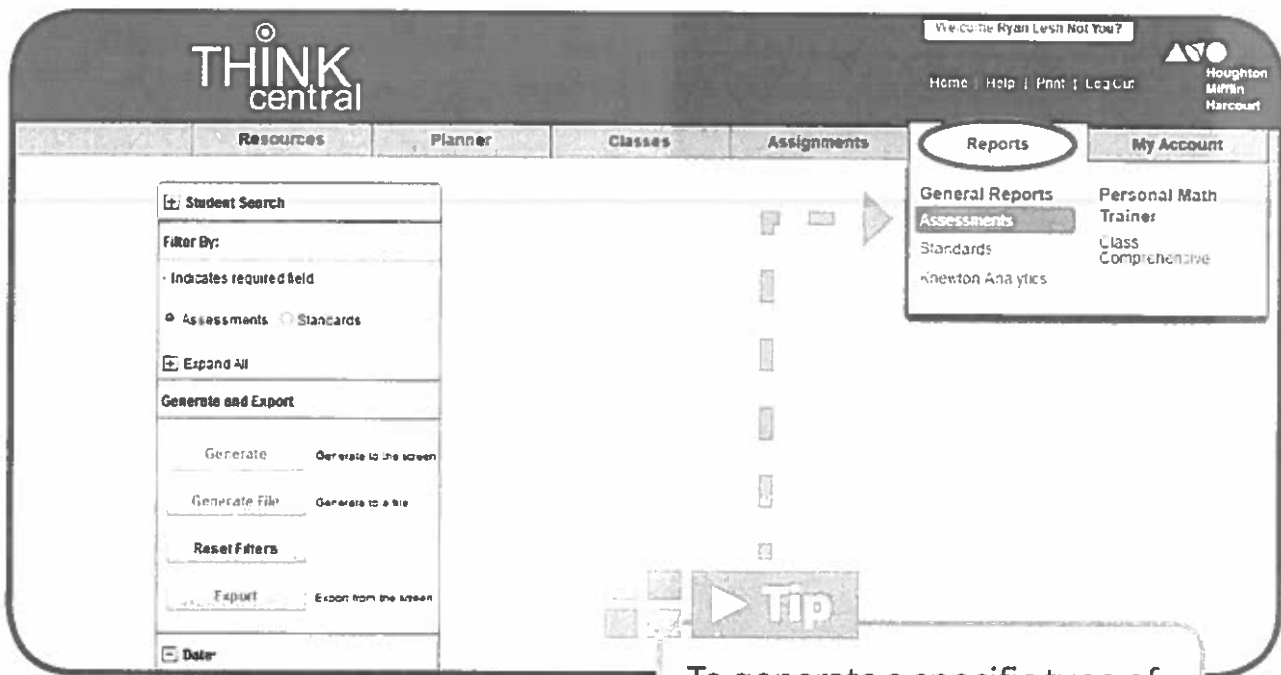
- Green:** number of students who scored over 70%
- Yellow:** number of students who scored between 50% and 70%
- Red:** number of students who scored below 50%
- Gray:** number of students who did not submit the assignment





Reports Page

With the Reports Page, you can generate reports and track progress for a class or student. You can also use reports to compare performance to state standards and track intervention progress. To access these reports, simply click on the Reports tab in the gold bar.



To generate a specific type of report, start by clicking on the name of the report.

Did you know?

There are 4 types of reports that can display PMT data.

- Class Comprehensive Report
- Assessments Report
- Knewton Analytics Report
- Standards Report



Class Comprehensive Report

All-in-One Reporting Tool

Consider the Class Comprehensive Report your new best friend. This report is an interactive online grade book. It summarizes actual student results on actual assignments.



Data to Drive Instruction

This report provides the data you're looking for to inform your instruction. You can determine which lessons or problems may require additional review with the whole class, or which students are struggling and may need intervention.



Multi-level Data at Your Fingertips

The Class Comprehensive Report provides a big-picture view of your entire class, or you can drill down into the data to view an individual student's scores. In addition, you can filter by specific resource types or by a custom date range.



To demonstrate the value of the **Class Comprehensive Report**, we'll look at some of the key questions you may ask yourself on a daily basis and the solutions provided by this **PMT** report.

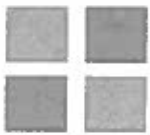
How are students performing on their **Personal Math Trainer** assignments?

Can I progress in my lesson, or do my students need to review the content?

Did students struggle with a particular question on an assignment?

Can I export the data in the reports to share with a parent or import into a gradebook?





Class Comprehensive Report Continued

How are students performing on their Personal Math Trainer assignments?

Select the class you'd like to view and any other filter options you'd like.

Then click . You'll see a list of students and their cumulative scores on **PMT** assignments.

Reports > Class Comprehensive Report

Class Comprehensive Report

Report Summary

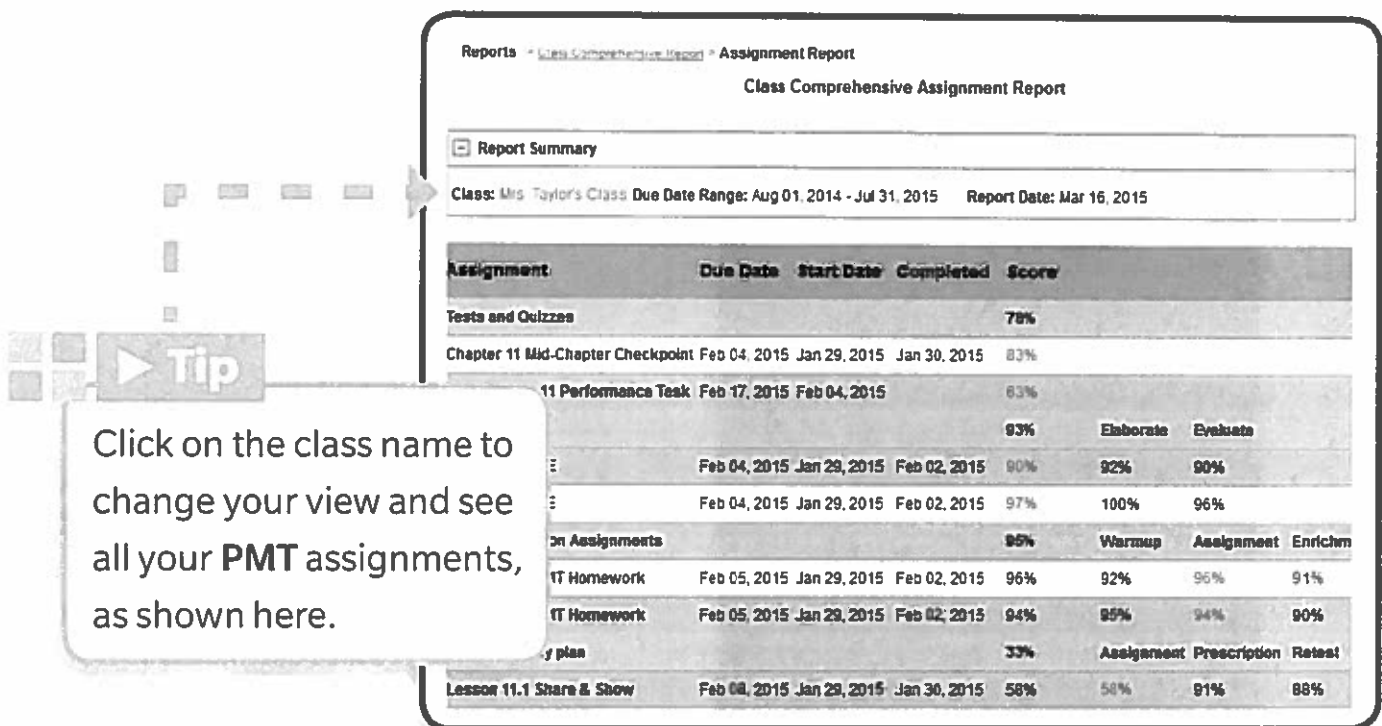
Class: Mrs. Taylor's Class Due Date Range: Aug 01, 2014 - Jul 31, 2015 Report Date: Mar 13, 2015

Student	Overall Average	ISE Lesson			Homework Activity	Tests and Quizzes
		Total	Elaborate	Evaluate		
Class Totals	78%	93%	96%	93%	N/A	78%
Carter, Owen	77%	96%	100%	95%	N/A	71%
Chiang, Jenny	75%	88%	75%	90%	N/A	62%
Gupta, Krishna	92%	100%	100%	100%	N/A	92%
Lustig, Joshua	85%	95%	100%	95%	N/A	85%
O'Neil, Miles	57%	82%	100%	80%	N/A	77%
Ziegler, Claire	84%	100%	100%	100%	N/A	84%

This cumulative data provides a high-level snapshot of student performance. You can use this cumulative data to group students based on ability, or you can filter on a particular date range and obtain a percentage to contribute to a student's semester grade.

Can I progress in my lesson, or do my students need to review the content?

Reports update instantly. If students are taking a **PMT** assignment in the classroom or computer lab, you can make an on-the-spot decision about whether or not to move on in the lesson. For example, the Lesson Quick Check assignments are designed to give immediate feedback to the teacher and are tied to intervention options in the Teacher Edition. Even if you're not in a 1-to-1 environment, the data in this report will help you quickly identify which assignments students struggled with.



Reports > Class Comprehensive Report > Assignment Report

Class Comprehensive Assignment Report

Report Summary

Class: Mrs Taylor's Class Due Date Range: Aug 01, 2014 - Jul 31, 2015 Report Date: Mar 16, 2015

Assignment	Due Date	Start Date	Completed	Score				
Tests and Quizzes				78%				
Chapter 11 Mid-Chapter Checkpoint	Feb 04, 2015	Jan 29, 2015	Jan 30, 2015	83%				
Chapter 11 Performance Task	Feb 17, 2015	Feb 04, 2015		63%				
				93%	Elaborate	Evaluate		
	Feb 04, 2015	Jan 29, 2015	Feb 02, 2015	90%	92%	90%		
	Feb 04, 2015	Jan 29, 2015	Feb 02, 2015	97%	100%	96%		
Lesson Assignments				95%	Warmup	Assignment	Enrichment	
Lesson 11.1 Homework	Feb 05, 2015	Jan 29, 2015	Feb 02, 2015	96%	92%	96%	91%	
Lesson 11.1 Homework	Feb 05, 2015	Jan 29, 2015	Feb 02, 2015	94%	95%	94%	90%	
Lesson 11.1 Exit Ticket	Feb 05, 2015	Jan 29, 2015	Feb 02, 2015	33%	Assignment	Prescription	Retest	
Lesson 11.1 Share & Show	Feb 04, 2015	Jan 29, 2015	Jan 30, 2015	58%	58%	91%	88%	

Tip
Click on the class name to change your view and see all your **PMT** assignments, as shown here.

▶ Did you know?

Data from the Class Comprehensive Report can be accessed with just a few quick clicks in the *HMH Player™* app.

Class Comprehensive Report Continued

Did students struggle with a particular question on an assignment?

In the Class Comprehensive Report, you can generate an item analysis view by clicking on the blue percentages. This view helps you quickly identify questions that students struggled on. This will help you select items to review with the class after an assignment.

Keep in mind that Knewton-generated warm-ups, enrichments, and interventions are personalized for each student, so it's not possible to generate an item analysis view on those parts of assignments.


The screenshot shows the 'Class Comprehensive Assignment Report' for 'Mrs. Taylor's Class'. It includes a 'Report Summary' section and an 'Assignment' table. A callout box highlights the 'Item Analysis' view, which shows a table of student performance on individual questions (Q1-Q11).

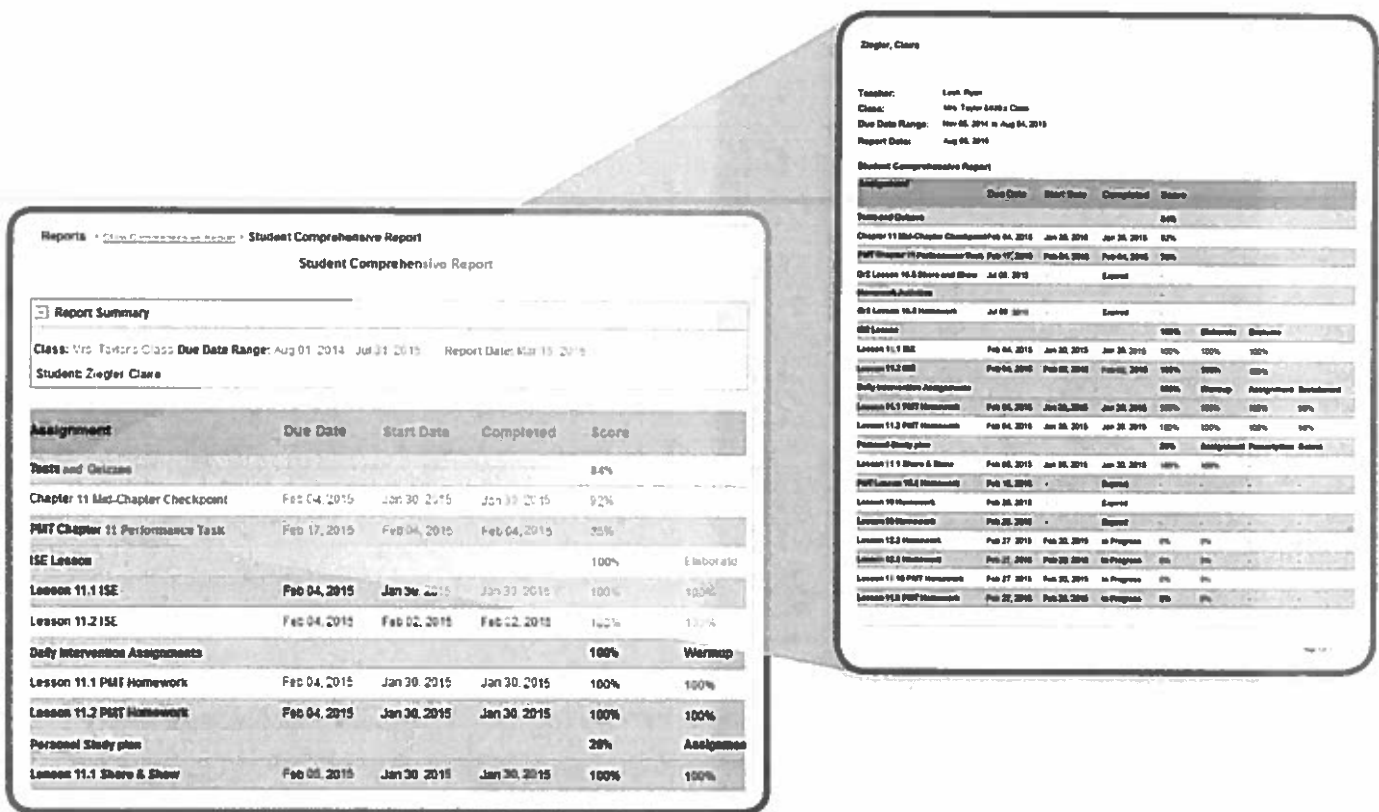
Student	Total	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11
Olvet, Miss	100%	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Luwig, Joshua	96%	✓	✓	✓	⊖	✓	✓	✓	✓	✓	✓	✓
Quinn, Kiana	88%	✓	✓	✓	⊖	✓	✓	✓	✓	✓	✓	✓
Carter, Owen	89%	✓	✓	✓	✓	✓	⊖	✓	✓	✓	✓	⊖
Chiang, Jenny	86%	✓	✓	✓	⊖	⊖	⊖	✓	✓	✓	✓	✓
Zogler, Cara	82%	✓	✓	⊖	✓	⊖	✓	✓	✓	✓	✓	✓
Number of Students Correct	8 (100%)	8 (100%)	8 (83%)	3 (50%)	4 (66%)	4 (66%)	8 (100%)	8 (100%)	8 (100%)	8 (80%)	8 (80%)	8 (80%)
Number of Students Partially Correct	0 (0%)	0 (0%)	1 (16%)	3 (50%)	1 (16%)	1 (16%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)

▶ Did you know?

Every item in the **PMT** is worth 2 points. Students can earn partial credit (1 out of 2) by getting most parts of a question correct.

Can I export the data in the reports to share with a parent or import into a gradebook?

In the Class Comprehensive Report, you can click on a student's name to see their individual results. Clicking  from this view will enable you to generate a PDF that can be shared with parents.



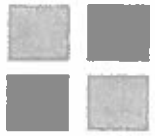
The screenshot displays the 'Student Comprehensive Report' for Ziegler, Clara. It includes a 'Report Summary' section with class and student information, and a table of assignments with columns for Due Date, Start Date, Completed status, and Score. A callout box provides a detailed view of the 'Student Comprehensive Report' for the same student, showing a list of assignments with their respective due dates, start dates, completion status, and scores.

Assignment	Due Date	Start Date	Completed	Score
Tests and Quizzes				84%
Chapter 11 Mid-Chapter Checkpoint	Feb 04, 2015	Jan 30, 2015	Jan 30, 2015	92%
PMT Chapter 11 Performance Task	Feb 17, 2015	Feb 04, 2015	Feb 04, 2015	25%
ISE Lesson				100%
Lesson 11.1 ISE	Feb 04, 2015	Jan 30, 2015	Jan 30, 2015	100%
Lesson 11.2 ISE	Feb 04, 2015	Feb 02, 2015	Feb 02, 2015	100%
Daily Intervention Assignments				100%
Lesson 11.1 PMT Homework	Feb 04, 2015	Jan 30, 2015	Jan 30, 2015	100%
Lesson 11.2 PMT Homework	Feb 04, 2015	Jan 30, 2015	Jan 30, 2015	100%
Personal Study plan				20%
Lesson 11.1 Share & Show	Feb 05, 2015	Jan 30, 2015	Jan 30, 2015	100%

In fact, you can Export results from almost any view in the Class Comprehensive Report. You can choose to export results as a PDF or as a CSV file.



For an even deeper look at individual student's strengths and weaknesses, use the **Knewton Analytics Reports**.



Knewton Analytics Report

The **Knewton Analytics Report** provides you with a detailed picture of your students based on their performance within the **Personal Math Trainer** as a whole and individually.

Consider it this way...Knewton is an artist that you have commissioned to paint a profile of each of your students based on their cumulative **PMT** experience.

The Knewton Analytics Report is a glimpse into the portrait that Knewton is continuously painting. Every time your students work in the **PMT**, Knewton will record their engagement with the lesson content. The more your students use the **PMT**, the more defined each portrait becomes.

So, what information is Knewton providing to you through the **Knewton Analytics Report**?



As a teacher, you can look at class proficiency and active time against different categories including:

- Common Core Standards
- A specific location from the textbook
- Depth of Knowledge

Proficiency is an intelligent estimate of how well a student understands one or more concepts.

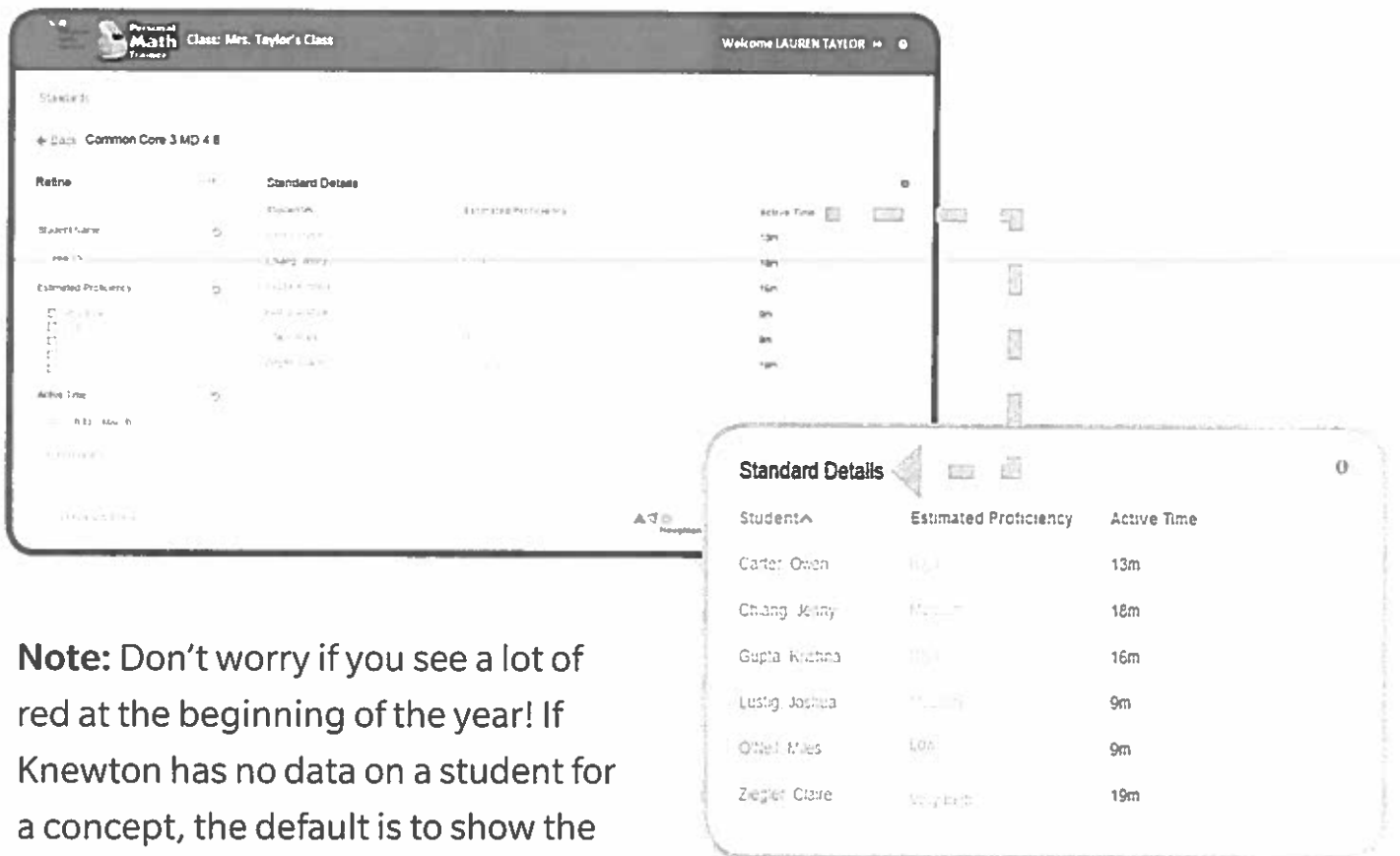
Active Time measures how much productive time learners are spending studying the material, as opposed to how long a student has been logged in.



Knewton looks at both Proficiency and Active Time to help you see where students might be struggling because they aren't spending enough time using **PMT**.

Knewton Analytics Report Continued

Knewton's proficiency estimate reflects a student's understanding of the concepts covered by different categories. This proficiency rating can be used to help you identify your students' strengths on core concepts as well as areas for improvement and further study.



The screenshot shows the Knewton Analytics Report interface. The main view displays a list of students with columns for Student Name, Estimated Proficiency, and Active Time. A 'Standard Details' pop-up window is open, providing a detailed view of the selected standard, 'Common Core 3.MD.4.B'. The pop-up window shows a table with the following data:

Student	Estimated Proficiency	Active Time
Carter, Owen	LO	13m
Chang, Jenny	LO	18m
Gupta, Krishna	LO	16m
Lusig, Joshua	LO	9m
O'Neil, Miles	LO	9m
Ziegler, Clare	Very Exp	19m

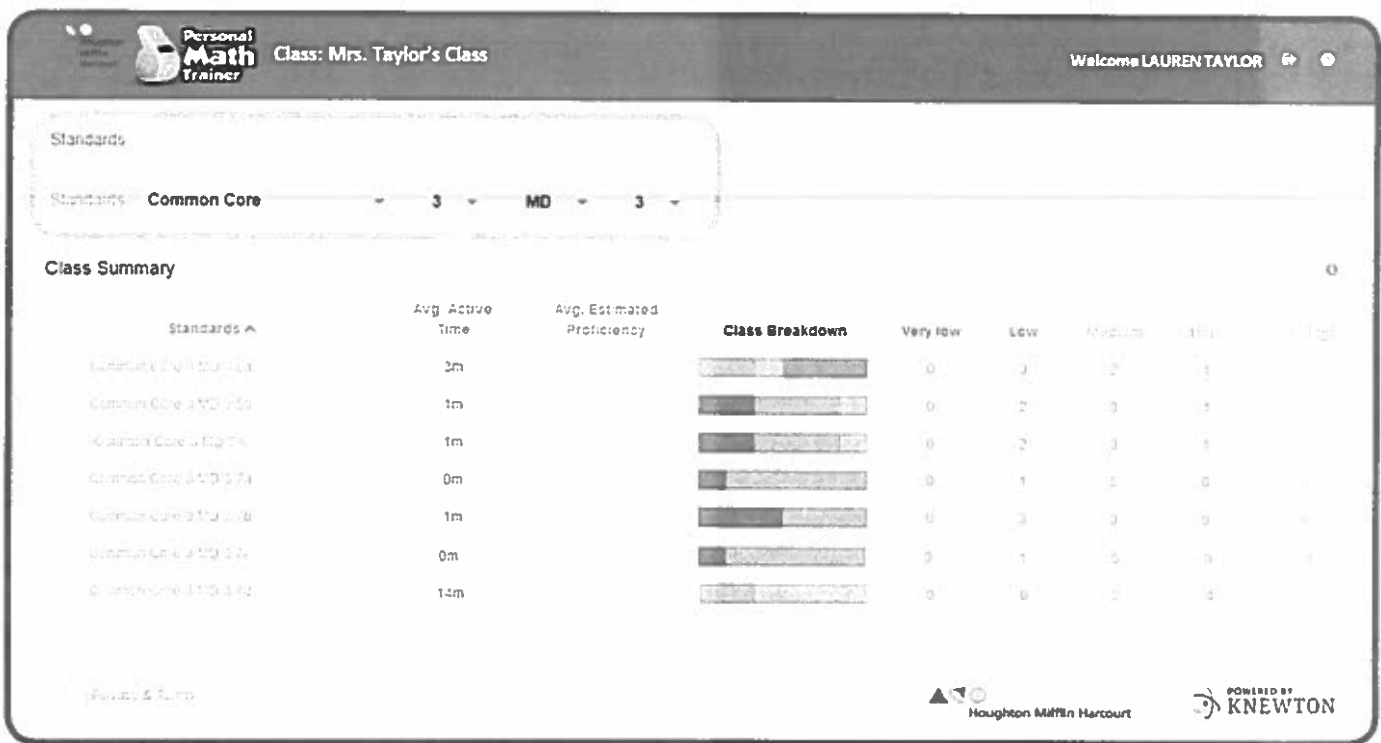
Note: Don't worry if you see a lot of red at the beginning of the year! If Knewton has no data on a student for a concept, the default is to show the student as having a low proficiency.

Did you know?

As long as students keep the same login credentials, data will travel with them throughout the Elementary grades. You can use the Knewton Analytics Report to see how students performed in previous grades.

For the Common Core Standards category, you can drill down from grade level to domain to specific standard.

You can see which standards students have mastered or need additional help with. You can also see how individual students are performing against each category.



The Knewton Analytics Report takes into account everything a student does on **PMT** assignments, including Homework, Tests & Quizzes, and Knewton-generated warm-ups, interventions, and enrichments delivered through adaptive workflows.

This report enables you to run school-level or district-level reports on the **Personal Math Trainer** Test and Quizzes assignments that are given to students.

In order to generate a report, you'll first need to select which Test and Quiz assignments to include in the report. For example, you might want to compare results on the Beginning-of-Year, Mid-Year, and End-of-Year Tests.

The View By Standard tab enables you to compare student results against the standards covered in the selected assignments.

The screenshot displays the 'View by Standard' tab in the Assessment Report interface. The left sidebar contains several filter sections: 'Student Search', 'Filter By' (with 'Assessments' selected), 'Generate and Export' (with 'Generate' and 'Export' buttons), 'Date' (with 'Current Year' selected), 'Report Filters', 'Assessments', 'NCLB Criteria', and 'Advanced Filters'. The main content area shows a horizontal bar chart titled 'Class average (percent)' with a legend for assessment codes: Ma5, Ma3, Ma4, Ma7, Ma1, Ma6, and Ma2. Below the chart, there is a table with columns for 'Code', 'Assessment Title', and 'Class'. The table lists two assessments: 'Ma1 Chapter 11 Mid Chapter Checkpoint' and 'Ma2 Personal Math Trainer Lesson 11'. A blue link is visible next to the 'Ma2' entry.

Code	Assessment Title	Class
Ma1	Chapter 11 Mid Chapter Checkpoint	83% (5)
Ma2	Personal Math Trainer Lesson 11	64% (5)

Clicking on the blue links enables you to view more information about each assignment.

Standards Report

This report offers the same information and data as the Assessments Report, but with a focus on Standards. Both the Assessments and Standards Reports can be used when you want to:

- Dive deep into **PMT** data
 - Filter by multiple NCLB criteria
 - Compare assignments and benchmarks
 - View assessment results by standards
 - View data across a school or district*
 - Export to CSV file
- *Administration-level option

