



Connect Implementation Guide

Module 5 of 6: Reports

Contents

Introduction	2
Our Implementation Philosophy.....	2
How to use this guide:.....	2
Module 5: Reports	3
Understand the different types of Connect reports.....	4
Locate reports.....	4
Connect report types.....	5
Create an Assignment Results report.....	7
Create a Student Performance report.....	10
Create an Assignment Statistics report.....	11
Create an Item Analysis report.....	12
Create a Category Analysis report.....	14
Create an At Risk report.....	16
Utilize LearnSmart/SmartBook reports.....	18
Create LearnSmart/SmartBook reports.....	18
LearnSmart/SmartBook reports.....	19
Progress Overview report.....	21
Student Details report.....	21
Module Details report.....	22
Missed Questions report.....	22
Most Challenging Learning Objectives report.....	22
Metacognitive Skills reports.....	23
Discover the power of the Insight reporting tool.....	25
Locate Connect Insight reporting tool.....	26
How is my section doing?.....	27
How are my students doing?.....	27
How are my assignments doing?.....	28

Introduction

Our Implementation Philosophy

At McGraw-Hill Education, we are **transforming learning through the powerful integration of content, pedagogy, and technology**. Our implementation team is committed to your **personalized learning and teaching experience**—resulting in a successful course experience for you and, ultimately, your students.

Note:

The Connect Implementation Curriculum is comprised of **SIX modules**—organized into **THREE parts**.

This guide represents Part 3, which includes Modules 5 and 6.

Modules 1-4 should be used for onboarding prior to the start of the semester.
Modules 5-6 are most effective after the semester begins.

EARLY ONBOARDING THROUGH PRIOR TO THE START OF THE SEMESTER:

Part one: GET STARTED WITH CONNECT

Module 1: Course Consultation
Module 2: Basics of Connect

Part two: BUILD AND MANAGE YOUR COURSE (includes discipline-specific content)

Module 3: Building Course and Assignments
Module 4: Class Start Readiness

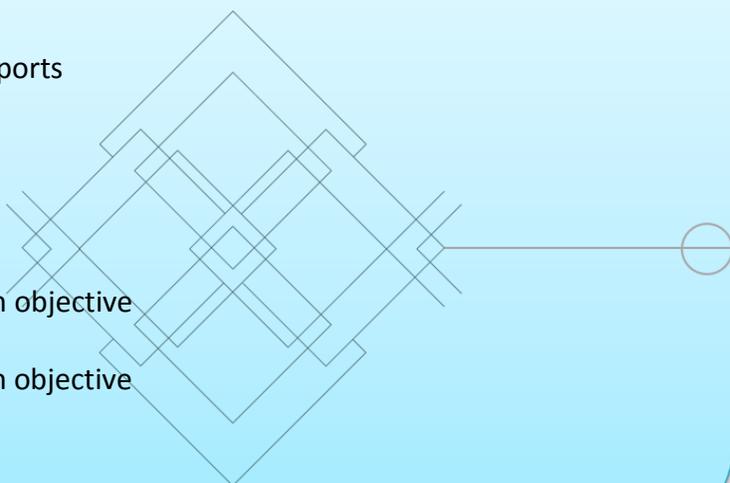
AFTER THE SEMESTER STARTS:

Part three: REPORTS, COURSE DATA, AND ONGOING SUPPORT

Module 5: Reports
Module 6: Ongoing Support and Training

Module 5: Reports

Learning Objectives:

- 1) Understand the different types of Connect reports
 - a) View section data
 - b) View assignment data
 - c) View student data
 - d) Examine item analysis data
 - e) Identify course trends
 - f) Use various report combinations based on objective
 - 2) Utilize LearnSmart/SmartBook reports
 - a) Use various report combinations based on objective
 - b) Identify course trends
 - 3) Utilize Insight reporting tool
- 

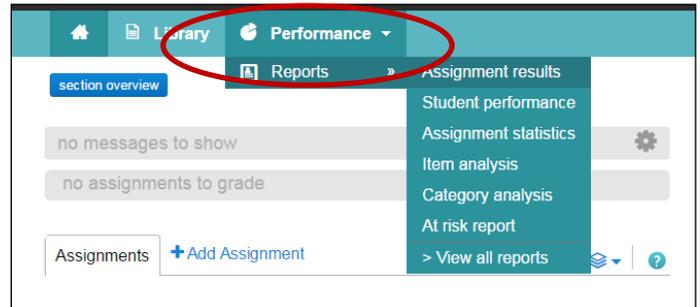
IMPORTANT: This module provides comprehensive training regarding reporting and course data. We recommend waiting until you have course data—typically a couple of weeks into the semester-- to engage in this training. Your course data will provide helpful context.

Understand the different types of Connect reports

Locate reports

The variety of reports, described below, will help you to assess student performance in your class.

From the section home page, click on the **Performance** tab and hover over **Reports**. Click on the report you wish to view, or click on **View all reports** to go to the reports home page.



You can also access **Reports** on the **My Course** page.



You have **three options** for creating reports and analyzing course and student data:

- 1) **Connect** reports
- 2) **LearnSmart (SmartBook)** reports
- 3) **Connect Insight reporting tool**

Connect reports

LearnSmart reports

report types

Find out all you can do with Connect Reports. [view our success tips](#)

Assignment results
See assignment scores listed by student and color-coded into high, medium, and low score ranges, and customize results.

Student performance
See an individual student's scores, status of assignments, and time spent on each assignment.

Assignment statistics
See this section's highest, lowest, and average scores on each assignment attempt, or compare multiple sections' scores.

Item analysis
See this section's average score on each question within a single question bank assignment, or compare multiple sections' scores.

Category analysis
See category results for a single question bank assignment, or compare multiple assignments' results. Categories are determined by criteria, such as learning objectives, that are tagged to questions within the assignment(s) you select.

At-risk report
Assess which students are at risk of falling behind and take action to remediate.

Adaptive Assignment Reports

LearnSmart
Review detailed reports to better measure student progress, comprehension and retention.

Connect report types

<p>Assignment Results</p>	<p>The Assignment Results report shows your entire class’s performance across all of your assignments.</p> <p>Each student attempt is listed along with the score, organized by columns, for each assignment. You can look more closely at a particular student’s work by selecting the student’s name and choosing an individual assignment attempt.</p> <p>Key features: color-coded; filter by assignment type</p>
<p>Student Performance</p>	<p>The Student Performance report helps you search for a specific student in your class and focus on that student’s progress across your assignments.</p> <p>You can view assignments that have been submitted and any assignments the student currently has in progress, so you are able to provide guidance or feedback during or after an assignment.</p> <p>Key feature: all assignments on a single screen with start and submit time stamps</p>
<p>Assignment Statistics</p>	<p>Assignment Statistics reports will give you quick data on each assignment including the mean score, high score, and low score, as well as the number of times it was submitted.</p>
<p>Item Analysis</p>	<p>The Item Analysis report is the best way to get a bird’s-eye view of a single assignment.</p> <p>You will be able to tell if students are improving or if the concepts are something you want to spend additional time on in class. When you want to see what your class is struggling with on a particular assignment or quiz, this report will help by providing you with the average score for each individual question across all students’ attempts, the average of best scores, and the average of the most recent attempts on the question.</p>
<p>Category Analysis</p>	<p>The Category Analysis report is the place to go to find out how your students are performing relative to specific learning objectives and goals.</p> <p>Run customized reports on the content in your assignments to determine performance across aspects like learning objectives, difficulty level, Bloom’s taxonomy categories, and even your own criteria if you have taken the time to edit questions in your assignments with individual learning objectives for your course.</p>
<p>At Risk</p>	<p>The At Risk report provides instructors with one-click access to a dashboard that identifies student engagement—specifically, students who are at risk of dropping out of a course due to low engagement levels.</p> <p>Connect looks for patterns of online student activity to determine the engagement level of the student, including such events as the frequency of logins and assignment submission. Other factors that may affect prediction include special events or manual grading.</p>

Connect report types, continued

Connect report assessment chart:

Objective:	Assess Learning Objectives	Assess Specific Topics	Identify Struggling Students	Assess Instruction Efficacy	Assess Students' Performance	Assess Students' Engagement
Assignment Results		✓	✓	✓	✓	
Assignment Statistics		✓		✓	✓	
Student Performance			✓		✓	✓
Item Analysis		✓		✓	✓	
Category Analysis	✓	✓		✓	✓	
At Risk			✓		✓	✓

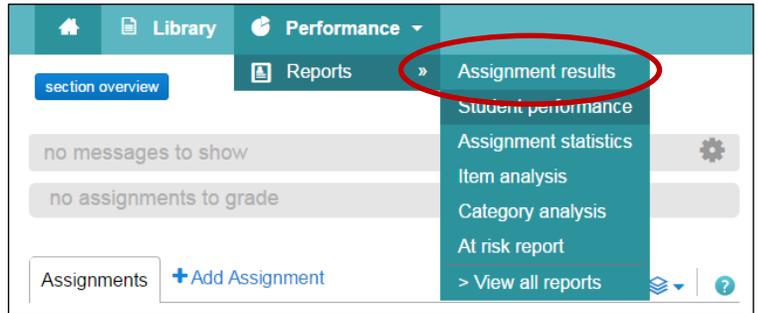


Use the columns of this chart to determine the combination of reports to view for a thorough analysis of course data for that objective. For example, to identify struggling students, view Assignment Results and At Risk reports—then take a closer look at identified at-risk students through a Student Performance report.

Objective:	Identify Struggling Students
Assignment Results	✓
Assignment Statistics	
Student Performance	✓
Item Analysis	
Category Analysis	
At Risk	✓

Create an Assignment Results report

The **Assignment Results** data is most similar to a traditional gradebook. For export instructions, click [here](#).



- 1) Select the **Performance** tab.
- 2) Hover over **Reports**.
- 3) Click **Assignment results**.

- 4) **Select section(s)** of your courses to be on the report. Choose from the current section, sections within the same course, and secondary instructors' shared sections (if applicable).



Are you a Course Coordinator who shared your section, and do you need to view the data for the recipients' shared sections? Shared sections will be available under **All sections shared with colleagues**.

 A screenshot of the Blackboard Assignment Results report configuration screen. It is divided into three main sections:

- Section(s):** A list of sections with checkboxes. 'Spring 15 01' is checked. 'All sections shared with colleagues' is circled in red.
- Assignment(s):** A list of assignments with a 'Filter by' dropdown. The list includes 'Practice quiz 1: Text Chapter 1', 'Copy of Text Practice: Chapters 5-6', 'Need Help for Connect???', 'Copy of Students tips using Connect', 'Class syllabus', 'Course Road Map', 'Welcome Letter', 'Chapter 1. The Sciences of Anatomy and Anatomy & Physiology Revealed: Unit 1: I', 'Practice quiz 1: Text Chapter 1', 'Chapter 5. Tissue Organization', 'Copy of Chapter 6. Integumentary System', 'Copy of Text Practice: Chapters 5-6', 'APR Module 3: Tissues', 'APR Module 4: Integumentary (Tissues)', 'Copy of Chapter 7. Skeletal System: Bone', 'Copy of Chapter 8. Skeletal System: Axia', 'Copy of Chapter 9. Skeletal System: Artic', and 'Copy of Text Practice quiz Ch 7 8 9'.
- More options:**
 - Assignment attempt:** Radio buttons for 'Best', 'Last', 'All', and 'Average'. 'Best' is selected.
 - Exclude attempts submitted after due date
 - Drop assignments with the lowest scores
 - Specify a report date range (optional):** 'From:' and 'To:' date pickers.
 - Score style:** Radio buttons for 'Points', 'Percents', and 'Points & Percents'. 'Points' is selected.
 - Note: Blackboard and Blackboard Vista export points only.
 - Customize Report Information** button with a plus sign.

 At the bottom, there is a 'View report' button and a note: 'Remember that the current assignment results report reflects the LAST due date filter you selected for it. To update this report, please adjust your date criteria selection.'

- 5) **Select assignment(s)** to be on the report. You can filter the assignments by clicking **Filter by** and then using the checkboxes next to each type of assignment you want to appear in the **select assignment(s)** list box.

Create an Assignment Results report, continued

- 6) **Select and deselect assignments** by using the Ctrl key while clicking assignment names in the list box. Use the **select all** and **clear all** buttons available at the bottom of the list box.
- 7) **Select attempt** to specify how the student assignment score is calculated and displayed when your students are allowed multiple attempts for an assignment.
 - a) **Best** displays the best score of all submitted attempts.
 - b) **Last** displays the score of the most recently submitted attempt.
 - c) **All** displays scores from all submitted assignment attempts.
 - d) **Average** displays the average score of all submitted assignment attempts.

Exclude attempts submitted after the due date: Checking this option removes any scores from assignments that were submitted after the due date.

Drop assignments with the lowest scores: Checking this option allows you to remove assignments with the lowest scores from the report. This option is not available if you selected **Best** attempt.

- 8) Specify report date range for the report. Select a **From** and **To** date using the calendar icon.

- 9) **Select your score style** allows you to choose how your scores will be displayed: either points, percentages, or both.

- 10) Click **Customize Report Information** to further customize the report.

- 11) Click **View report** to generate the report.

Additional detail can be found by clicking the help link at the top of the screen.

Create an Assignment Results report, continued

The **Assignment Results** report will display with a list of your students in the first column and a subsequent column for each assignment with corresponding student scores.

- 1) Customize or turn off optional grade range **highlights** in the highlight ranges menu.
- 2) To export the report, click **Export**, select the format, and then click Export again to download.
- 3) You can also **Print** the report.

Assignment Results

Show: Assignment Results ▼

Use the options below to view assignment scores.

[▶ Show options](#)

Section: SEM Life Sciences Best Assests (Wand, Jennifer) Report created: 04/05/2016 12:16:23 PM CDT

Report date range: - Attempt: Best

Score style: Points

Assignment type: Homework Quiz Exam Practice writing assignments blog discussion board

[Highlight ranges](#) ▼ [Export](#) [Print](#)

Select the checkboxes on columns you want to export or print. [Learn how to export these results into Blackboard or Blackboard Vista](#) ⓘ

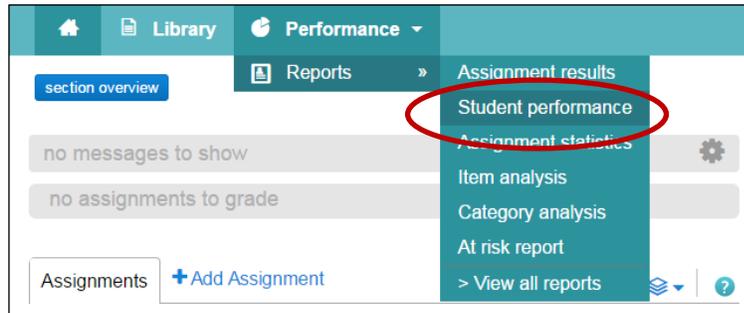
<input checked="" type="checkbox"/> Student	Total 130 pts	<input checked="" type="checkbox"/> Labeling Questions 20 pts	<input checked="" type="checkbox"/> Sequencing Questions 50 pts	<input checked="" type="checkbox"/> My Plate Questions 60 pts
Wand, Ethan	40.80	2.00		38.80
Wand, Jennifer	20.00		20.00	

* submitted past due date ± extension m requires manual grading

Create a Student Performance report

The **Student Performance** report displays individual student performance across all assignments. To view a report for a specific student, type the student's name in the search text box on the page. You will see the matching student names in the current section by default.

- 1) Select the **Performance** tab.
- 2) Hover over **Reports**.
- 3) Click **Student performance**.



- 4) To view a report for a specific student, type the student's name in the **search text box** in the page.
- 5) Customize the list of assignments by choosing the **assignment category** you want to view.

Student performance

Show: Student Performance

Look up a student to view performance reports:

Look in all sections of this course (including those shared with colleagues)

Wand, Ethan

Submitted assignments results
Assignments in progress

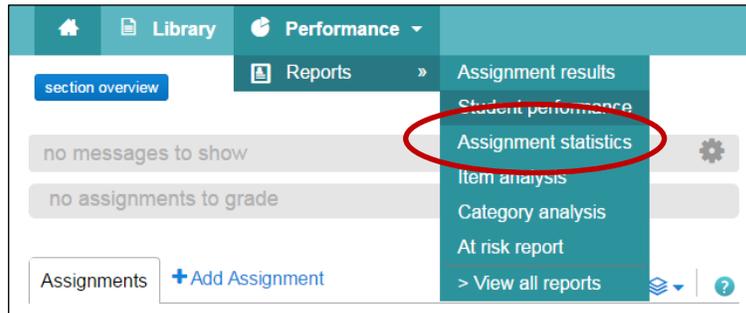
Show: All assignments
Export to Excel

Assignments	Score	Started	Submitted	Time spent (HH:MM)	Date scored
Labeling Questions Total Value (Points): 20.00 , Average Score: 2.00 (10.00 %)					
Attempt 1	2.00(10.00%)	04/05/16 12:03PM CDT	04/05/16 12:05PM CDT	0:01	
My Plate Questions Total Value (Points): 60.00 , Average Score: 38.80 (64.67 %)					
Attempt 1	38.80(64.67%)	04/05/16 12:08PM CDT	04/05/16 12:13PM CDT	0:04	

* Submitted past due date = Extension ■ Not yet graded

Create an Assignment Statistics report

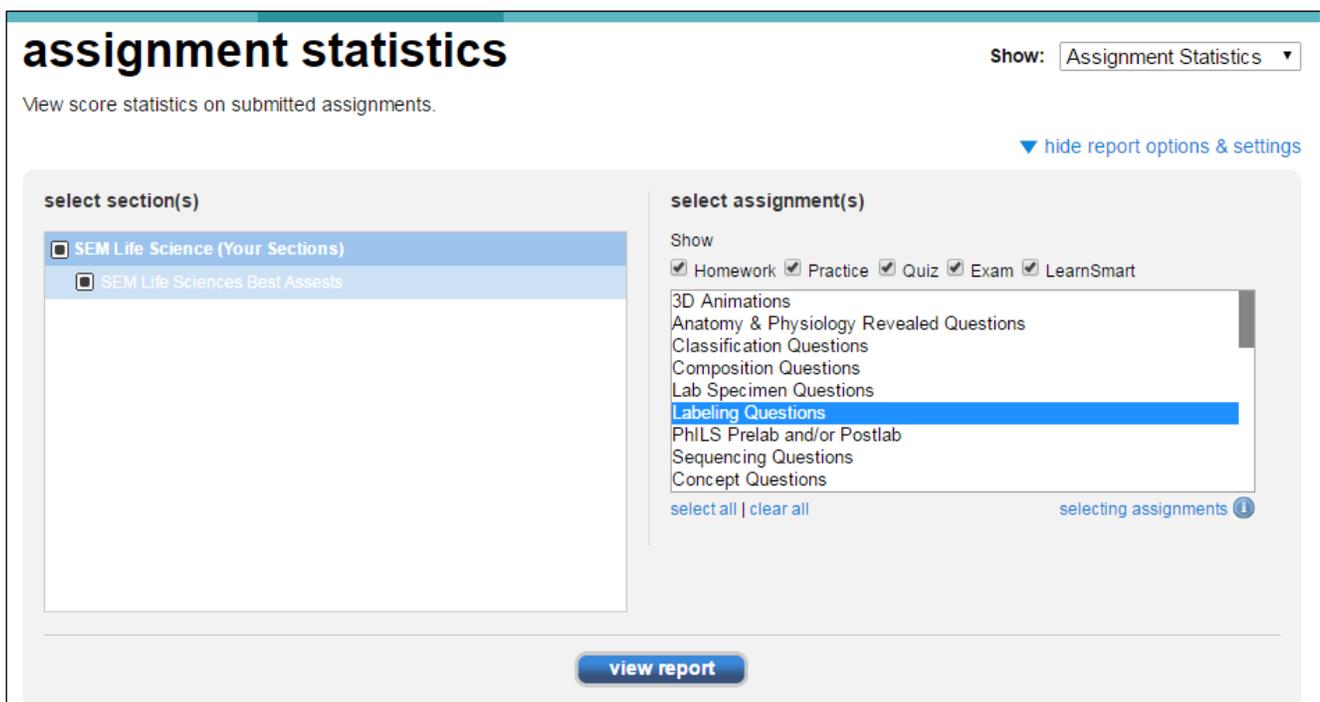
- 1) Select the **Performance** tab.
- 2) Hover over **Reports**.
- 3) Click **Assignment statistics**.



- 4) Select which **sections** will be on the report.
- 5) Select which **assignments** will be on the report.
- 6) You can filter assignments by type using the checkboxes next to each type of assignment you want to appear in the **select assignment(s)** list box.

Select and deselect assignments by using the Ctrl key while clicking assignment names in the list box. Use the **select all** and **clear all** buttons available at the bottom of the list box.

- 7) Click **view report** to generate the report.

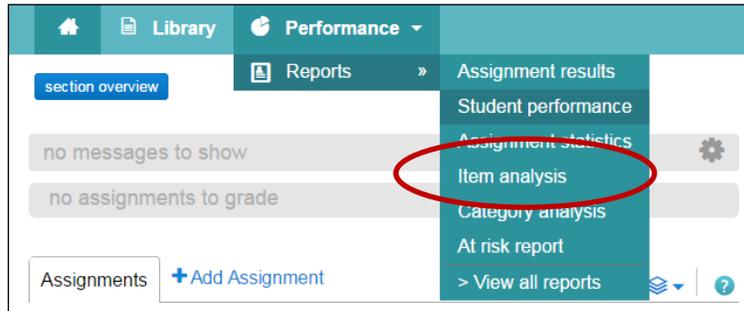


Create an Item Analysis report

The **Item Analysis** report provides statistics on each question within a single assignment.

IMPORTANT: Only questions from the question bank can be used for the Item Analysis report.

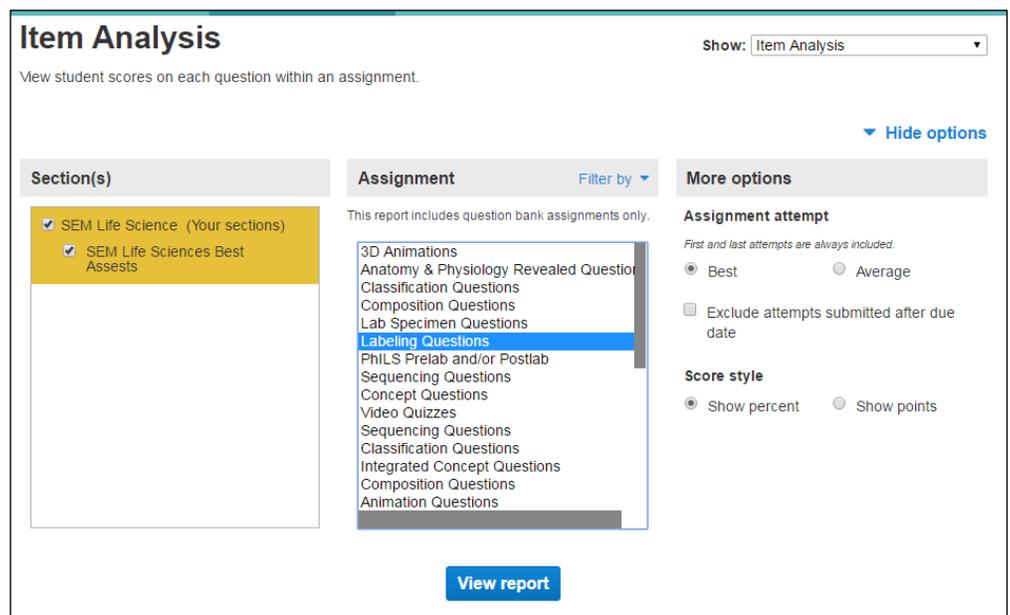
- 1) Select the **Performance** tab.
- 2) Hover over **Reports**.
- 3) Click **Item analysis**.



Available report options:

- 4) Select which **section(s)** will be on the report. Choose from the current section, linked sections within the same course, and secondary instructors' linked sections.
- 5) Select **one assignment** to be displayed in the report. Your choice of sections determines the assignments listed here. Note that only question bank assignments can be used for this report.

- 6) Click **Filter by** to filter specific assignment types (homework, quiz, etc.).
- 7) **Select an assignment attempt**—First and last assignment attempt scores are always included, but you can select whether you also want to see the best or average assignment attempt score.
- 8) You can also check the box to exclude attempts submitted after the due date.



- 9) Last, select if you want to show scores in **percentages** or **points**.
- 10) Click **View report**.

Create an Item Analysis report, continued

- 1) Here you will see your selections from the previous screen and the report below.
- 2) Click a **question** to preview it.
- 3) Click the **plus sign** to view individual student scores.
- 4) Next to each question/student name, you will see the **first**, **last**, and **best**, or **average** assignment attempt score.
- 5) You can **export** or **print** the report.
- 6) Edit your report options at any time by clicking **Show options**.

Item Analysis

Show: Item Analysis ▼

View student scores on each question within an assignment.

[▶ Show options](#)

Item Analysis

Section: SEM Life Sciences Best Assests (Wand, Jennifer)

Report created: 04/05/2016 12:22 PM CDT

Assignment: [Labeling Questions](#)

Show first, last and best assignment attempts
 Show percentages

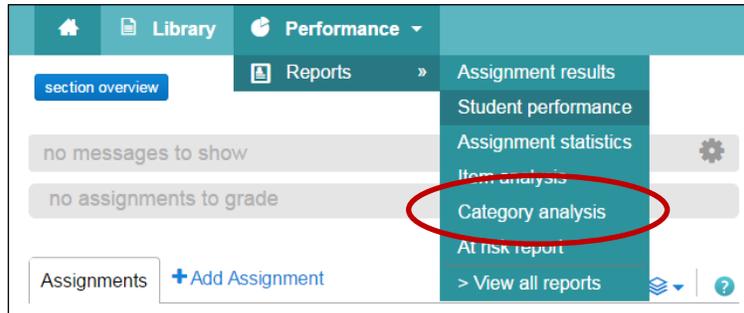
Students submitted: **1**

Click a **question** to preview it. **Expand a question** to view student scores.

Questions	First assignment attempt	Last assignment attempt	Best assignment attempt
⊖ Extrinsic Muscles of the Eye: Labeling	20.00%	20.00%	20.00%
Wand, Ethan	20.00%	20.00%	20.00%
+ Connective Tissues of a Muscle	0.00%	0.00%	0.00%

Create a Category Analysis report

- 1) Select the **Performance** tab.
- 2) Hover over **Reports**.
- 3) Click **Category analysis**.



- 4) Select the **section(s)** to include.
- 5) Select the **assignments** to be analyzed. Select more than one assignment by using the Ctrl key while clicking assignment names.
- 6) Click **Filter by** to filter specific assignment types (homework, quiz, etc.).
- 7) You have to select at least one category to use to evaluate students' performance.

You can also further customize the report by selecting:

- Which assignment attempt you want to show
- Whether or not you want attempts submitted after the due date excluded. A report date range
- Whether or not you want to see individual student names and scores

- 8) Click **View report**.

Tip: These categories vary based on what section and assignments you choose. A category or category group is only available when a selected assignment contains a question with content related to this category or group.

Create a Category Analysis report, continued

- 9) At the top you will see a **summary of the settings** you selected in the last screen.
- 10) Click the **blue arrow** next to the title to see the assignment details. Listed next to each category you can find the following:
 - a) **Number of questions** assigned that **relate to the topic**
 - b) **Number of students who have submitted answers** out of the total number of students
 - c) **Average percent** of how **students** are doing in that category
- 11) You can also **export** or **print** the report.
- 12) Edit report options at any time by clicking **Show options**.

Category Analysis Show: Category Analysis ▾

View questions associated with selected categories or student scores in those categories.

[▶ Show options](#)

Category Analysis

Section: SEM Life Sciences Best Assests (Wand, Jennifer) Report created: 04/05/2016 12:25 PM CDT

Report date range: -

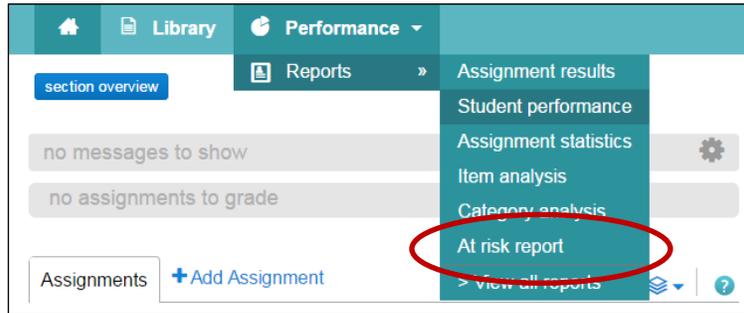
Assignments: Labeling Questions My Plate Questions Sequencing Questions

Expand each category to see scores.

	Questions	Students submitted	Category score <small>(Best assignment attempt)</small>
Bloom's			
- 1. Remember	4	2/2	43.33%
- Labeling Questions	1	1/2	20.00%
Extrinsic Muscles of the Eye: Labeling		1/2	20.00%
+ Sequencing Questions	3	1/2	66.67%
+ 2. Understand	2	2/2	0.00%
+ 4. Analyze	1	1/2	0.00%

Create an At Risk report

- 1) Select the **Performance** tab.
- 2) Hover over **Reports**.
- 3) Click **At risk report**.



- 4) You will be able to see the **online engagement indicator score** that shows which **students are at risk** and allows you to e-mail those students directly.
- 5) You can see your **entire class** and how many students fall into **each category**.

at risk student report

show: At Risk Student Report

Assess which students are at risk of falling behind and take action to remediate.

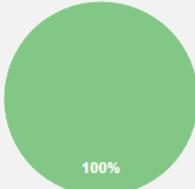
at risk student report: SEM Life Sciences Best Assests (Wand, Jennifer)

report created: 04/05/2016 12:26 PM CDT

breakdown by risk

total students
2

- at risk 0
- keep watch 0
- safe 2



100%

how online engagement works
Connect looks for patterns of online student activity to determine the engagement level of the student, including such events as the frequency of logins and assignment submission. Other factors that may affect prediction include special events or manual grading.

how to improve student performance
The more you use Connect in your course, the more opportunities Connect has to measure online engagement. By the second or third week of the term, Connect should have enough data to track students that have low online engagement. Click the "send message to student" button to convey your concern to the affected student(s).

students	online engagement indicator	remediate
Wand, Ethan	10.0	
Wand, Jennifer	10.0	

◀ prev 1-2 of 2 next ▶



Tips for Using Connect Reports

Igor Dolgov, Ph.D.

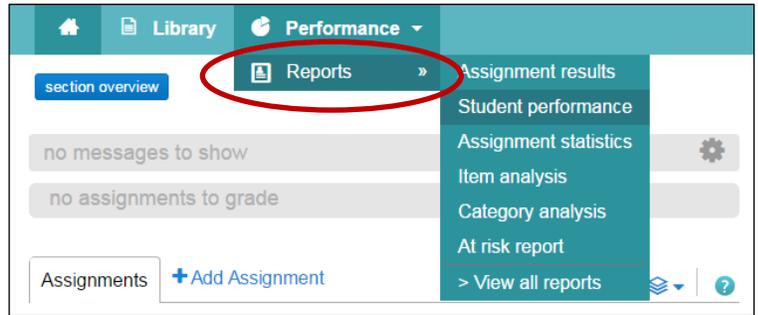
Associate Professor, Department of Psychology
New Mexico State University
McGraw-Hill Education Digital Faculty Consultant

Scenario	Reports	Notes from Dr. Dolgov
Identifying struggling or unengaged students--during initial weeks of semester	At Risk	<i>"The At Risk report helps identify student engagement, even without any assignment having been turned in. It allows for early intervention by contacting (groups of) students inside Connect. I use it frequently at the beginning and less often as the semester wears on."</i>
Communicating with students who seek feedback about their progress--throughout the semester	Student Performance	<i>"The Student Performance report puts valuable info about all of a student's assignments on a single screen and allows to easily identify trends, like lateness. It also enables instructors to view a student's answers in specific assignments. I use this report throughout the semester when a student contacts me to discuss their progress or is concerned about their performance. It lets me cut to the chase and have a more informed conversation with them about why they are struggling and what can be done to remediate their course standing."</i>
Computing grades—throughout the semester	Assignment Results	<i>"The Assignment Results report functions like an enhanced gradebook. It's customizable to limit number of assignments on the screen. It also uses color to help instructors better identify performance trends. I use this report throughout the semester to spot trends, as well as to compute midterm and final grades."</i>
Identifying content and assignments with which students are struggling—throughout the semester	Section Performance Assignment Statistics	<i>"These reports allow instructors to identify assignments with which students are struggling. Both reports present the same data—one is interactive, whereas the other is a data table. I use these after assignments are due in conjunction with the Item Analysis report."</i>
Identifying challenges at the questions level—throughout and between semesters	Item Analysis	<i>"During the semester, this report allows instructors to spot specific questions that are challenging for the class and address those topics at a later time. Between semesters, this report allows the instructor to weed out poor questions. I use this report in conjunction with the Assignment Statistics and Section Overview reports and between semesters."</i>
Aligning with desired course outcomes—between semesters	Category Analysis	<i>"This report allows instructors to see how their students are performing along specific metrics, like level of Blooms or discipline-specific national standards. I use this report between semesters to ensure all of my assessments are fulfilling a measurable outcome. I also use Category Analysis reports (discipline-specific and Bloom's Taxonomy) as evidence of my teaching efficacy for my annual performance review."</i>

Utilize LearnSmart/SmartBook reports

Create LearnSmart/SmartBook reports

- 1) Select the **Performance** tab.
- 2) Hover over **Reports**.
- 3) Click **View all reports**.



- 4) Select **LearnSmart** under **Adaptive Assignment Reports**.

Find out all you can do with Connect Reports. [View our success tips](#)

Assignment results
See assignment scores listed by student and color-coded into high, medium, and low score ranges, and customize results.

Student performance
See an individual student's scores, status of assignments, and time spent on each assignment.

Assignment statistics
See this section's highest, lowest, and average scores on each assignment attempt, or compare multiple sections' scores.

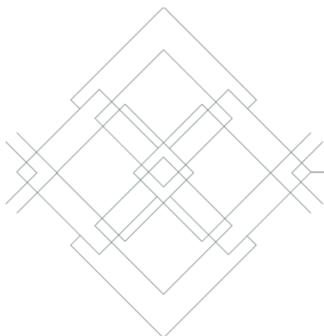
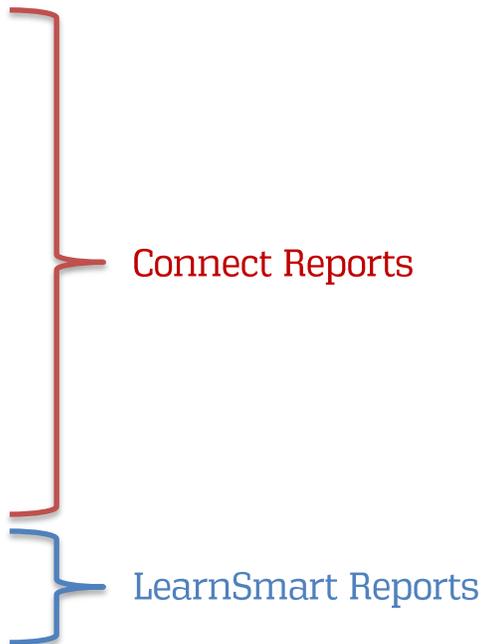
Item analysis
See this section's average score on each question within a single question bank assignment, or compare multiple sections' scores.

Category analysis
See category results for a single question bank assignment, or compare multiple assignments' results. Categories are determined by criteria, such as learning objectives, that are tagged to questions within the assignment(s) you select.

At-risk report
Assess which students are at risk of falling behind and take action to remediate.

Adaptive Assignment Reports

LearnSmart
Review detailed reports to better measure student progress, comprehension and retention.



 Progress Overview ▾ View student progress broken down by module.	 Student Details ▾ View student progress details plus completion level breakdown for each module.
 Module Details ▾ View information on how your class performed on each section of their assigned modules.	 Practice quiz ▾ This gives you a quick overview of the quizzes results for your students.
 Missed Questions ▾ View frequently missed questions.	 Metacognitive Skills ▾ View statistics on how knowledgeable your students are about their own comprehension and learning.
 Most Challenging Learning Objectives ▾	

LearnSmart/SmartBook reports

Each distinct **LearnSmart/SmartBook** report provides real-time data so that instructors can focus on the units or topics for which students need the most help.



The data used within these reports are typically used as formative assessment by instructors. Formative, low-stakes assessments are designed to help students learn with little impact on overall course grade—these assessment types not only provide feedback to the student, but they also help inform instructor’s course plans. With LearnSmart/SmartBook, students can earn credit for learning—but they’re not penalized during the process of learning.

Tip: Six of seven LearnSmart/SmartBook reports are available in the student view.

Progress Overview	Progress Overview shows how much the students studied in each chapter.
Student Details	Student Details provides data specific to individual students organized by chapter and includes assignment level versus self-study.
Module Details	Look at the Module Details report to find out how your class is performing as a whole on assigned modules.
Most Challenging Learning Objectives	The Most Challenging Learning Objectives offers the top five most challenging objectives for each module for your class.
Missed Questions	View the Missed Questions report to view the most frequently missed questions for each module.
Metacognitive Skills	The Metacognitive Skills reports compile data based on your student's awareness of their own knowledge base.
Practice Quiz	The Practice Quiz report will show you practice quiz results for your students.

LearnSmart/SmartBook reports, continued

LearnSmart/SmartBook report assessment chart:

Objective:	Assess Learning Objectives	Assess Specific Topics	Identify Struggling Students	Assess Students' Performance	Assess Students' Engagement
Progress Overview			✓	✓	✓
Student Details			✓	✓	✓
Module Details	✓	✓		✓	
Practice Quiz			✓		✓
Missed Questions		✓			
Metacognitive Skills			✓	✓	✓
Most Challenging Learning Objectives	✓	✓		✓	



Use the columns of this chart to determine the combination of reports to view for a thorough analysis of course data for that objective. For example, to assess specific topics, view Module Details, Missed Questions, and Most Challenging Learning Objectives reports.

Objective:	Assess Specific Topics
Progress Overview	
Student Details	
Module Details	✓
Practice Quiz	
Missed Questions	✓
Metacognitive Skills	
Most Challenging Learning Objectives	✓

Progress Overview report

The **Progress Overview** summarizes the results of all assigned **SmartBook** modules for all students in a course. On the left, the cumulative time spent on all modules is shown. The percent score under each module indicates the progress of each student on the **SmartBook** module.

Student	Time spent (hh:mm)	Chapter 1. Biology: The Scienc...	Chapter 3. The Organic Molecul...	Chapter 7. Energy for Cells	Chapter 8. Cellular Reproducti...			Chapter 10. Patterns of Inheri...
		2014-08-19 to 2014-12-06	2014-09-18 to 2014-09-23	2014-10-04 to 2014-10-09	Self-study	2014-08-23 to 2014-08-28	2014-09-02 to 2014-09-09	2014-10-27 to 2014-10-29
Average progress	6:40	● 61%	● 92%	● 94%	0%	● 93%	● 97%	● 94%
Alexis, Vanessa	5:28	● 100%	● 100%	● 100%	0	● 100%	● 100%	● 100%
Alicia, Ryan	3:57	● 100%	● 100%	● 100%	0	● 100%	● 100%	● 100%
Alexander, Morgan	1:52	● 100%	● 0%	● 0%	0	● 100%	● 100%	0
Anderson, Sydney	4:53	● 0%	● 100%	● 100%	0	● 93%	● 100%	● 100%
Ann, James	4:26	● 100%	● 100%	● 0%	0	0	● 100%	● 100%
Baker, Kaiti	10:08	0	● 100%	● 100%	0	● 100%	● 100%	● 100%
Balderson, Samantha	3:19	● 100%	● 100%	● 100%	0	● 100%	● 100%	0
Barnett, Brittany	6:11	● 28%	● 100%	● 100%	0	● 100%	● 100%	● 100%
Barnes, Michael	6:05	0	● 100%	● 100%	0	● 93%	● 100%	● 100%

Tip: Progress overview completion can be larger than what is seen in a student's assignment completion if the student studied after an assignment's due date or forgot to update results by opening the assignment. It can also, in rare cases, be larger if the student studied this material in a previous course.

Student Details report

The **Student Details** report can be viewed for each individual **SmartBook** assignment. Time spent on due date indicates how long the student worked on the module prior to the due date. The total time includes any additional study time the student spent in the module after the due date.

Student	Time spent (h:mm)		% complete		Updated	Email
	on due date	total	on due date	total		
Alexis, Vanessa	0:09	0:23	100%	100%	10/12/15 15:43	View Student Details
Alicia, Ryan	0:22	0:36	100%	100%	10/04/15 15:42	View Student Details
Alexander, Morgan	0:15	0:15	100%	100%	09/29/15 15:02	View Student Details
Anderson, Sydney	0:00	0:00	0%	0%	10/03/15 12:58	View Student Details
Ann, James	0:13	0:13	100%	100%	09/29/15 11:23	View Student Details
Baker, Kaiti	0:00	0:00	0%	0%	10/08/15 22:01	View Student Details
Balderson, Samantha	0:10	0:10	100%	100%	09/29/15 15:10	View Student Details
Barnett, Brittany	0:20	0:23	100%	100%	10/07/15 21:13	View Student Details
Barnes, Michael	0:16	0:16	100%	100%	09/27/15 16:42	View Student Details
Barnes, Michael	0:41	0:41	100%	100%	10/02/15 18:50	View Student Details

Module Details report

The **Module Details** report is available for each individual **SmartBook** assignment and shows averages for the entire class, rather than individual students. For each assigned section of the chapter, the average time spent answering the questions and the average percent correct are displayed.

Chapter section	Average time spent (hh:mm:ss)	Average questions per student correct / total	Correctness	
			0%	100%
Membrane Structure and Function	0:15:12	38 / 59		64%
Intro: Red Hot Chili Peppers	0:00:30	1 / 1		86%
4.1 Plasma Membrane Structure and Function	0:03:08	8 / 10		81%
4.2 The Permeability of the Plasma Membrane	0:10:39	28 / 43		64%
4.3 Modifications of Cell Surfaces	0:00:54	1 / 5		30%

Tip: Overall correctness is not as important as analyzing the outlier categories.

Missed Questions report

The **Missed Questions** report is a combined report for all students in a course and is shown for each individual **SmartBook** assignment. Of all the questions asked in the assignment, the ten questions most frequently answered incorrectly are listed. Clicking on **Try in LS** link will show the exact question and all choices provided to the students.

- module: **Chapter 4. Membrane Structure and Function**

Frequency	Question
36	List the events of the sodium potassium pump in the correct sequence. (Try in LS)
17	A(n) _____ junction is a cellular junction that has intracellular filaments mechanically connecting the cytoplasmic membrane of adjacent cells. (Try in LS)
14	Proteins that span the plasma membrane are termed _____ proteins, while those found on either the external or internal side of the membrane are called _____

Most Challenging Learning Objectives report

The **Most Challenging Learning Objectives** are provided for each **SmartBook** assignment and presents results from the entire class. Each question asked within **SmartBook** supports a specific learning objective. This report indicates which objectives the students had the hardest time understanding based on their incorrect answers to multiple questions.

- module: **Chapter 4. Membrane Structure and Function**

Root objective	Name	Page
Membrane Structure and Function	Explain the events of the sodium potassium pump.	71
Membrane Structure and Function	Recall the characteristics of a desmosome.	75
Membrane Structure and Function	Exemplify regulated secretion.	73
Membrane Structure and Function	Explain factors that influence the rate of diffusion.	68
Membrane Structure and Function	Contrast integral and peripheral proteins.	64

Metacognitive Skills reports

The **Metacognitive Skills** report is a cumulative report for all SmartBook questions answered by each student. Before answering each question, the students must indicate their confidence level (*I Know It, I think So, Unsure, No Idea*) to help the program adapt to their level of understanding. This report combines that confidence indicator with their correct and incorrect answers to show if they are aware of their knowledge level.

Student	Correct & aware	Correct & unaware	Incorrect & aware	Incorrect & unaware
[Redacted]	51%	4%	7%	38%
[Redacted]	36%	18%	32%	14%
[Redacted]	15%	51%	29%	5%
[Redacted]	22%	33%	31%	13%
[Redacted]	30%	34%	26%	9%
[Redacted]	75%	0%	0%	25%

Key:

Correct and Aware = *I know it* or *I think so* + correct answer

Correct and Unaware = *Unsure* or *No Idea* + correct answer

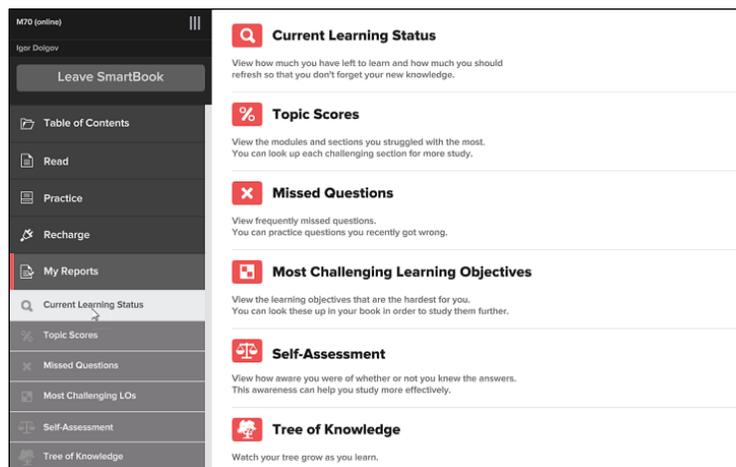
Incorrect and Aware = *Unsure* or *No Idea* + incorrect answer

Incorrect and Unaware = *I know it* or *I think so* + incorrect answer



Correct and Unaware suggests that a student is *guessing*. Because students can view their results in their own Self-Assessment report, it is helpful to discuss the Metacognitive report key. This is also an efficacious data point to discuss with struggling students.

Student view of LearnSmart/SmartBook reports:



Tip: Six of seven LearnSmart/SmartBook reports are available in the student view.



Tips for Using LearnSmart/SmartBook Reports

Igor Dolgov, Ph.D.

Associate Professor, Department of Psychology
New Mexico State University
McGraw-Hill Education Digital Faculty Consultant

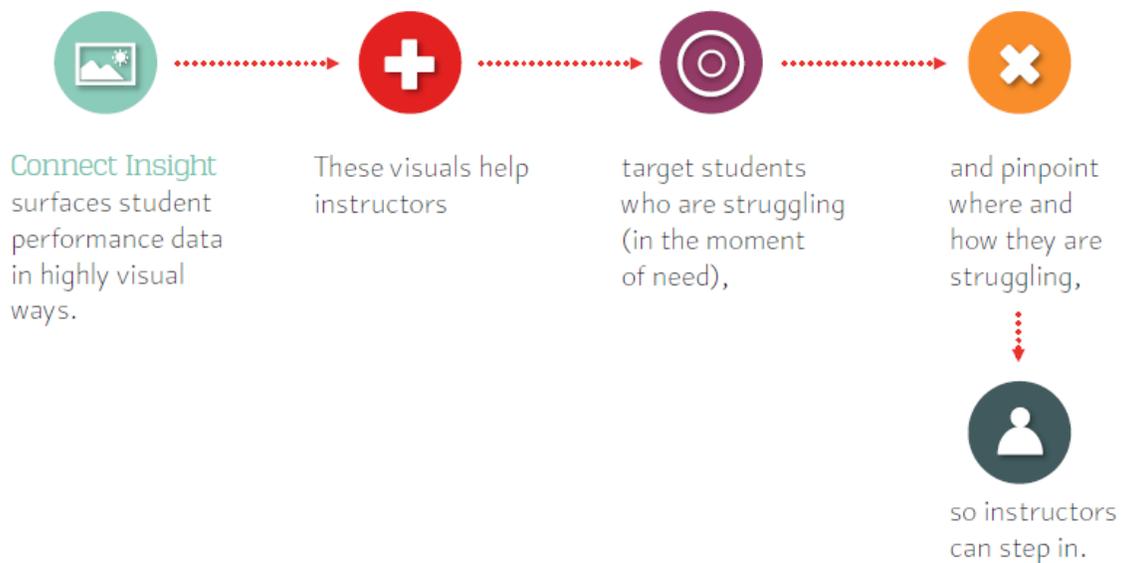
Scenario	Reports	Notes from Dr. Dolgov
Communicating with a student	Student Details Metacognitive Skills Practice Quiz	<i>"I use these reports throughout the semester when a student contacts me to discuss their progress. They let me have an honest conversation with students about how they have been approaching preparing for exams and, in consequence, suggest more targeted remediation strategies."</i>
Improving teaching	Module Details Most Challenging Learning Objectives Missed Questions	<i>"These reports allow instructors to see which topics and questions their students are struggling with and then to address them in a future class or communication to the students."</i>
Monitoring progress	Progress Overview	<i>"This report allows instructors to see students' LearnSmart progress and time-on-task/engagement. It allows instructors to identify progress trends with the use of representative dot color and size."</i>

Discover the power of the Insight reporting tool

What is the Connect Insight reporting tool?

A key component of our Learning Science approach is **how we use data to improve and enhance the learning experience**. Data analysis shows us what's effective—and what isn't. This means that instructors can tailor teaching methods, students can tailor study methods, and we can improve our products to improve student learning and success.

Connect Insight is an **innovative and powerful reporting tool** that creates at-a-glance, visual representations of course data that benefit both instructors and students.

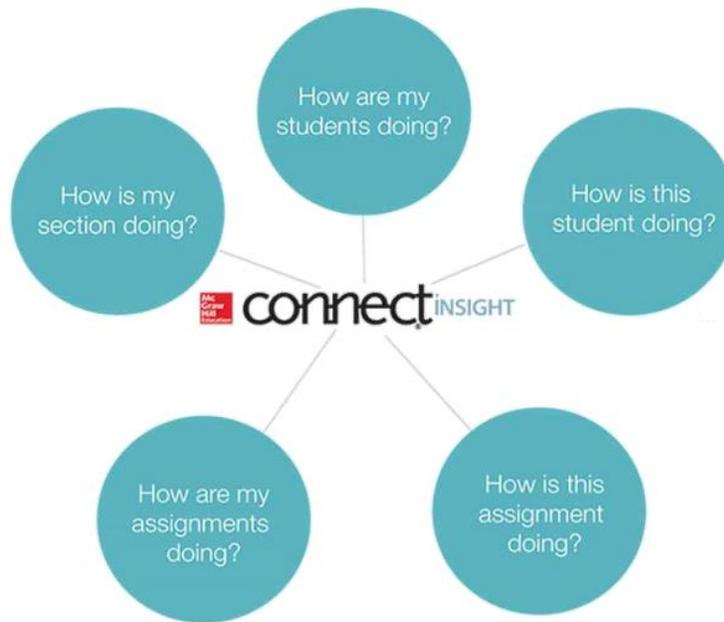


WATCH: [Discover the powerful impact of Connect Insight on your course success.](#)



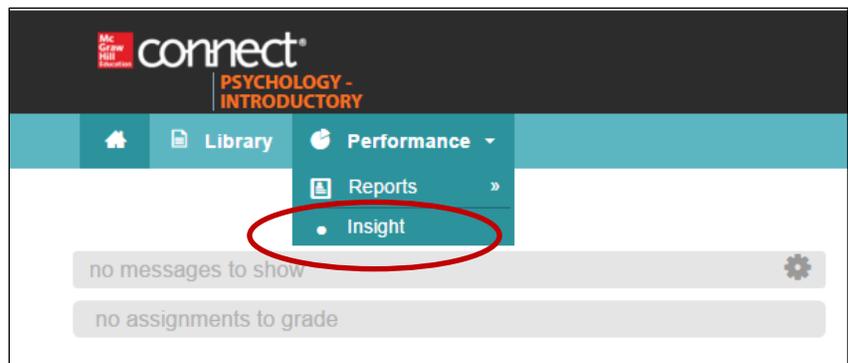


The **Connect Insight** reporting tool answers the following questions through quick, at-a-glance visual representations.

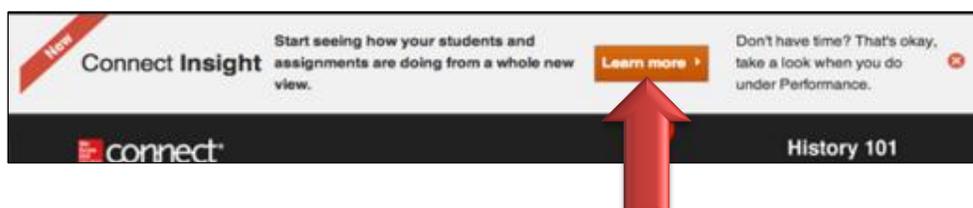


Locate Connect Insight reporting tool

- 1) On your section home page, begin by clicking on **Performance**.
- 2) From the dropdown menu, click on **Insight**.



WATCH: Look for the tutorial link in the banner of your section home page.



How is my section doing?

This is your student distribution, at a glance. This page provides an overview of your section's performance. The circle size and numbers represent the students in each quadrant.

Where your students fall on the Insight distribution is based on the midpoint of the current score for graded and submitted assignments, and the total time spent in Connect working on submitted assignments. This includes time spent in the eBook. Currently, eBook time is only recorded at the section level.



Just below the graph, Insight displays the number of active students versus the number of total students in your section. Active students are those who have submitted at least one graded assignment. Manually graded assignments must be scored before a student is considered active. Total students are those who have registered for your section.

Whenever you see the contextual help icon (A), tap or click it to see an overlay with helpful information specific to the page you are currently on. Navigate back to your section homepage with the back button (B) or continue on to your full student distribution by tapping or clicking **Dive Deeper** (C).

How are my students doing?



Your section's student distribution will be displayed first by default. Students, or groups of students, are represented by opaque circles (A). Tap or click any of the circles to see individual student cards, which are covered later in this tutorial. You can pinch or click and drag to zoom in on any area of the graph. From a zoomed state use a one-finger swipe or mouse around to see other areas on the graph. Tap or click the reset icon (B) to zoom out to 100 percent.

Tap or hover with a mouse over the total points (C) or time spent to see the number of assignments included in the data set. To see only the data for current score or time spent, tap or click on either icon (D), and tap/click again for the full view.

Using one or two fingers, swipe from right to left in the area next to the graph to navigate to the assignment distribution. Alternately, you can tap/click on the assignment icon (E) below the graph.

How are my assignments doing?

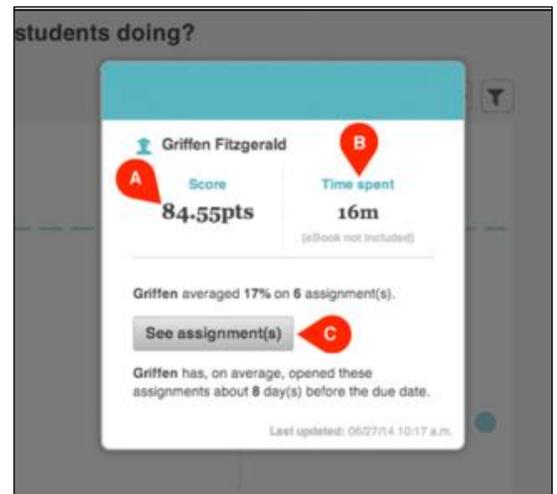
The assignment distribution functions like the student graph, but uses opaque squares (A) to represent assignments.



Tapping or clicking on any of the squares opens assignment cards, which are covered later in this tutorial.

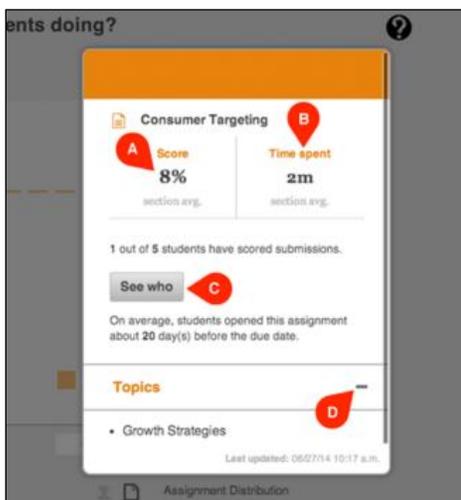
Navigate back to the student distribution by swiping from left to right in the area (B) next the graph or tap/click on the student icon (C) just below.

Access student cards by tapping or clicking on any of the circles in the student distribution. The student card will show the individual student's current score (A), total time spent (B), the number of assignments submitted with the average score and the average time the student opened an assignments before the due date.



To quickly see how students performed on all of their submitted assignments, tap or click **See assignment(s)** (C).

If there are multiple students with roughly the same score and time spent, the circles will appear darker, indicating a cluster of students. Tapping or clicking on a cluster will display a model with a list of students. Select one to view that student's card.



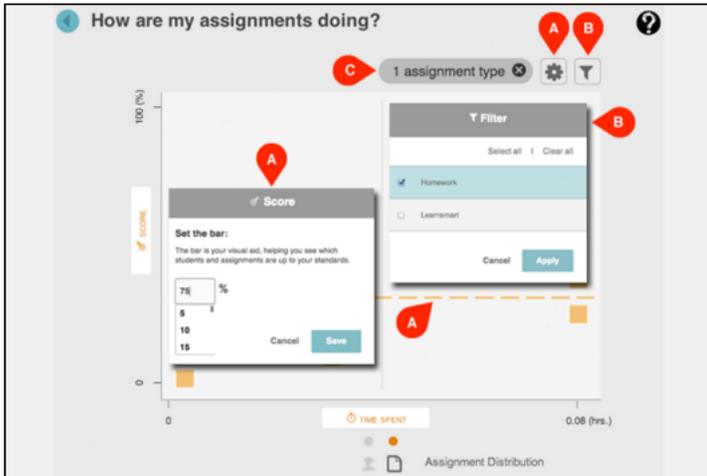
Access assignment cards by tapping or clicking on any of the squares in the assignment distribution. The assignment card will show the section's average score (A), time spent (B), the number of students who have scored submissions and the average time that students opened the assignment before the due date. The average time will only display if the assignment has a due date.

To quickly see a distribution plotting all students who have submitted the assignment from within the assignment card, tap or click **See who**.

Scroll through a list of topics by expanding the topics list (D).

How are my assignments doing, continued

The bar that horizontally divides your distributions (A) can be adjusted. Set the bar by tapping or clicking on the settings icon (A). Set the percent you'd like the bar to be displayed at and then tap or click **Save**. Insight will remember where you've set the bar until you change it again.



You can also filter (B) either distribution by assignment type. Tap or click on the filter (B) icon, select the assignment types you would like to include and then tap/click **Apply**. The number of assignment types filtered is displayed after you've applied any filters. Clear filters by tapping or clicking the close button (C).

Tip: If your section's distribution is displaying the **No student activity yet** message, either your students haven't submitted any assignments or registered for your section, or there are manually graded assignments that need to be graded.

For assignments with multiple attempts, Insight will always include the **best attempt**.

Insight doesn't display time spent for assignments where much of the student work is performed off-line (for example, writing assignments and speech assignments). These assignments appear in graphs as if no time was spent on them, and the cards for these assignments show "N/A" under time spent.