

# Implementation Guide

For Advanced Placement®, Honors, and Electives

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# ONboard Overview



## What is ONboard?

The McGraw-Hill ONboard™ Series for Advanced Placement® is an online, interactive program designed to help incoming AP students build the background knowledge and skills they need to succeed in their upcoming AP coursework and beyond. Available in the Connect© platform, each product contains 8 to 10 hours of content designed and created with a team of experienced AP teachers and experts, and features:

- **Videos, Animations, & Interactivities** to address different learning styles and keep students engaged.
- **Check Points & Quizzes** that offer immediate feedback to gauge student understanding.
- **A Pre-Test and Comprehensive Final Assessment** to provide robust reporting that will show growth and help identify knowledge gaps.

ONboard can be purchased for an entire class or by individual students, and can be accessed from any Internet-connected computer. It's appropriate for all students as an introduction or review of core topics, *no matter which textbook* will be used in the course.

The ONboard modules are designed as pre-course work and make a perfect summer or beginning-of-the-year assignment. In addition, students can review the modules throughout the school year to refresh their skills as needed.

**ONboard is available for the following AP Courses:**

**AP Biology**  
**AP Chemistry**  
**AP Economics (Micro or Macro)**  
**AP English Language and Composition**  
**AP Environmental Science**  
**AP European History**

**AP Human Geography**  
**AP Psychology**  
**AP United States Government and Politics**  
**AP United States History**  
**AP World History**

# ONboard Components

ONboard consists of 8 to 10 hours of content, divided into three sections: Pretest, Interactive Modules, and Final Comprehensive Assessment.

## 1. Pretest

A **Pre-Test** helps set a base score for the skills students will learn and improve upon while using ONboard.

ONboard Economics Pre-Test

56

Part 1 of 2

10 Points

Required Information

Price (per bushel)

Quantity demanded (thousands of bushels per week)

Increase in demand

Decrease in demand

Which of the following could have caused the movement from point a to point b in the graph?

Multiple Choice

- The cost of harvesting corn decreased.
- The cost of harvesting corn increased.
- The price of corn increased from \$2 to \$4 per bushel.
- The price of corn decreased from \$3 to \$2 per bushel.
- Vehicles in the country changed to a corn-based ethanol fuel.

MC 56 57 of 126 Next Resources

Robust reporting allows teachers to view areas of strength and weakness.

student performance:

Show: Student Performance

**S-R, Amy**

(ONboard AP Psych Masterclass)

Assignment: Pre-Test

Attempt 1 (of 1)

0:40 time spent on this attempt (hh:mm)

Question Type / Subtopic	Count	Percentage
Question Type: Classification	2	80%
Question Type: Labeling	1	0%
Question Type: Matching	7	76.7%
Question Type: Multiple Choice	61	26.2%
Question Type: Sequencing	2	40%
Subtopic: Curves	4	75%
Subtopic: Identifying the Main Idea	1	0%
Subtopic: Methods	4	25%
Subtopic: Representing and Analyzing Data	5	20%
Subtopic: Time Management	1	60%
Subtopic: Critical Thinking	13	15.4%
Subtopic: Curves	1	0%
Subtopic: Identifying the Main Idea	2	50%
Subtopic: Mean, Median, Mode, and Standard Deviation	11	13.6%

## 2. Interactive Modules

The **interactive modules**, consisting of groups of **submodules**, teach the skills and background knowledge that students will need to succeed in their AP courses. We recommend that students complete the submodules sequentially, as the skills and content build upon one another.

Each submodule contains a variety of self-check assessments, including multiple-choice, drag-and-drop, and short-answer questions.

The screenshot shows the ONboard AP Biology interface for Big Idea 4: Interdependent Relationships. The slide number is 3. The main content area contains a matching exercise with the instruction: "Match the items on the left to the correct areas on the right." On the left, there are three draggable boxes: "Big Idea 2: Energy and Molecular Building Blocks", "Big Idea 4: Interdependent Relationships", and "Big Idea 3: Information Storage, Heredity, and Response". On the right, there are four target areas with text: "Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostasis.", "The process of Evolution drives the diversity and unity of life.", "Biological systems interact, and these systems and their interactions possess complex properties.", and "Living systems store, retrieve, transmit, and respond to information essential to life processes." A "Check Answers" button is located at the bottom right of the main content area. The footer includes the McGraw Hill Education logo, navigation buttons for "Previous" and "Next", and photo credits.

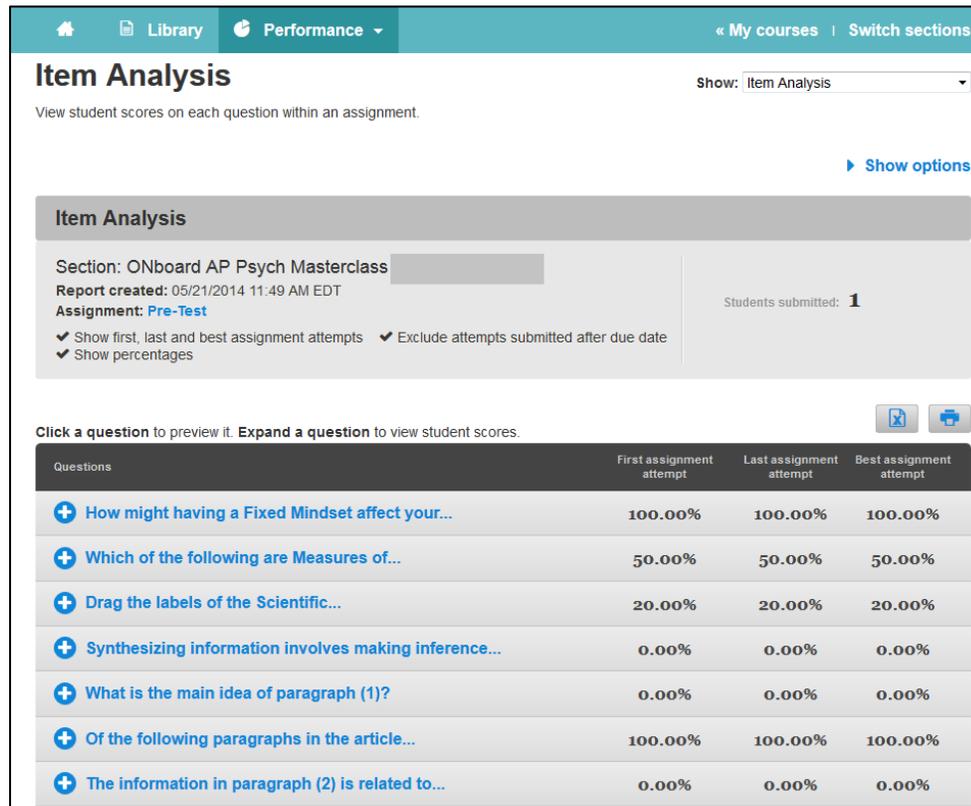
After students have completed a module, they will take a short quiz to evaluate their mastery of the module's content. Teachers can use the reports from these quizzes to track student progress and evaluate student comprehension as they work through the content.

The screenshot shows a quiz question in the ONboard AP Biology interface. The question is numbered 6 and asks: "The dollar value of all final goods and services produced in a country in one year is". The question is worth 1 point. The answer choices are: "a positive externality", "inelastic demand", "fiscal policy", "gross domestic product", and "cyclical unemployment". A "Check my work" button is located at the top right of the question area. The interface also shows "Module 1: Central Themes", "Saved", "Help", "Save & Exit", and "Submit" buttons.

\*\*The interactive modules are also available separately as Additional Practice that can be assigned to students as needed for skills reinforcement throughout the year.

### 3. Final Comprehensive Assessment

A **Final Comprehensive Assessment** exam allows students to see how far they've progressed in the skills and knowledge needed for the course. It may also point to areas in which they may need further study. Multiple teacher reports provide highly useful information.



**Item Analysis** Show: Item Analysis

View student scores on each question within an assignment. [Show options](#)

**Item Analysis**

Section: ONboard AP Psych Masterclass  
Report created: 05/21/2014 11:49 AM EDT  
Assignment: Pre-Test  
Students submitted: **1**

Show first, last and best assignment attempts  Exclude attempts submitted after due date  
 Show percentages

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

Questions	First assignment attempt	Last assignment attempt	Best assignment attempt
<a href="#">+ How might having a Fixed Mindset affect your...</a>	100.00%	100.00%	100.00%
<a href="#">+ Which of the following are Measures of...</a>	50.00%	50.00%	50.00%
<a href="#">+ Drag the labels of the Scientific...</a>	20.00%	20.00%	20.00%
<a href="#">+ Synthesizing information involves making inference...</a>	0.00%	0.00%	0.00%
<a href="#">+ What is the main idea of paragraph (1)?</a>	0.00%	0.00%	0.00%
<a href="#">+ Of the following paragraphs in the article...</a>	100.00%	100.00%	100.00%
<a href="#">+ The information in paragraph (2) is related to...</a>	0.00%	0.00%	0.00%

### Using the Master Class

When you or your school purchase ONboard, your Connect teacher account will receive a special Section of ONboard called a **Master Class**. In a Master Class:

- All of the available components of ONboard are pre-assigned
- All of the assignments are arranged in the most effective order
- The due date for all assignments is set to just before the next AP Exam

Because all of the assignments are pre-assigned, you do not have to make any modifications to the Master Class in order for students to begin using the course. All you have to do is ensure your students register for the Master Class. However, if you choose to, you can modify the due dates and assignments in any way you wish.

You will only receive a Master Class the first year you are using ONboard. In subsequent years, you will need to [duplicate the Master Class](#) to use with students for the new school year. You will also want to [update the due dates](#) of all assignments to reflect the new AP Exam date.

# The Teacher Experience

## Check Your System Requirements

ONboard™ is available through the Connect® website. Connect is entirely online and works best when you are using Firefox or Chrome as your web browser.

Go to <http://connect.mheducation.com/connect/troubleshoot.do> to automatically check if your computer and web browser are compatible with Connect.

**connect**

**Your computer is fully compatible.**  
You can use this site without any changes.

**critical components**

component	compatible?	your computer
Browser	✓ Yes	Firefox 35
Cookies	✓ Yes	Cookies accepted
Javascript	✓ Yes	Enabled

**less critical components**

component	compatible?	your computer
Flash	✓ Yes	Installed (Version 15.0.0)
Java	✓ Yes	Installed (Version 1.8.0.25)
Operating System	✓ Yes	Windows 7
Pop-up Blocker	✓ Yes	Pop-up windows allowed
Screen Resolution	✓ Yes	1429 x 1143 pixels

**make any changes?**  
Changes may require you to restart your browser. [troubleshoot again](#)

**system requirements**

**operating systems**

- > Windows XP HE 2002 SP2, MS XP Pro 2002, MS Vista Home Premium edition, Windows 7, Windows 8
- > Mac OS X Snow Leopard 10.6, Mac OS Lion 10.7, Mac OS Mountain Lion 10.8, Mac OS Mavericks 10.9

**browsers**

- > Firefox 25+
- > Internet Explorer 9, 10, 11
- > Google Chrome 31+
- > Safari 5.x, 6.x, 7.x (Mac)

**plug-ins**

- > Flash 11+
- > Java SE6, SE7
- > Quicktime 7.7+

**\*Please Note: math, chemistry and engineering assignments require Chrome 31+, Firefox 25+, Safari 6+ and IE10 due to advanced formatting needs.**

## Logging In

4. Direct your web browser to: [connect.mheducation.com](http://connect.mheducation.com)
5. Enter your Connect username and password.
6. Then click **Sign In**.

**connect** What is Connect? | Instructors | Students | Subjects Search

**Get Connected. Get Results.**

McGraw-Hill Connect is a digital teaching and learning environment that saves students and instructors time while improving performance over a variety of critical outcomes.

**SEE FOR YOURSELF**

**Higher Pass Rates**

With **connect**: 83.7%

Without connect: 72.9%

**Sign In** Help

Email Address:

Password:

**SIGN IN**

Forgot Password?

McGraw-Hill Campus users, [click here](#)

**Study Smarter, Not Harder, and improve your grades.**

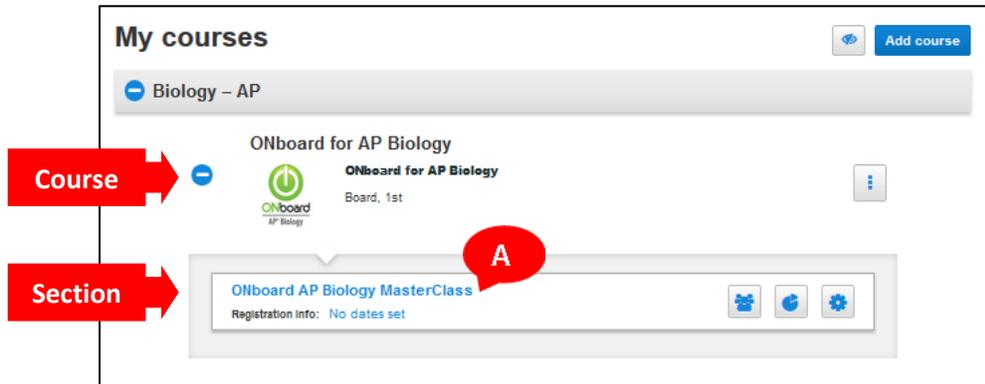
**GET THE LEARNSMART ADVANTAGE TODAY >>**

## Accessing ONboard

When you log into Connect, you will see the **My Courses** page. The My Courses page lists all of the courses you are teaching.

Courses are subdivided into Sections. A Section is like a class or class period, and houses all of your class assignments and student data. Your first Section of ONboard will be the [Master Class](#). In the Master Class, all components of ONboard are pre-assigned for you.

To access ONboard, click on the blue section name **(A)**.

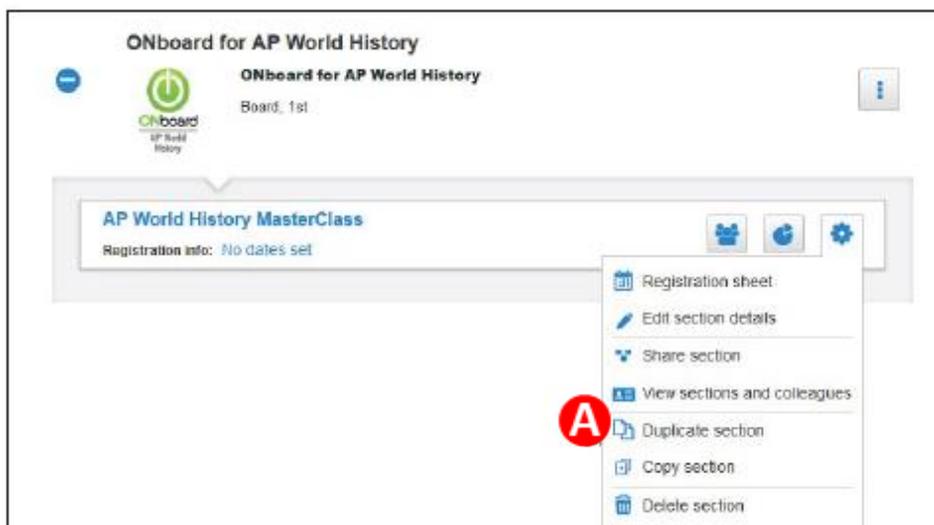


## Creating New Sections

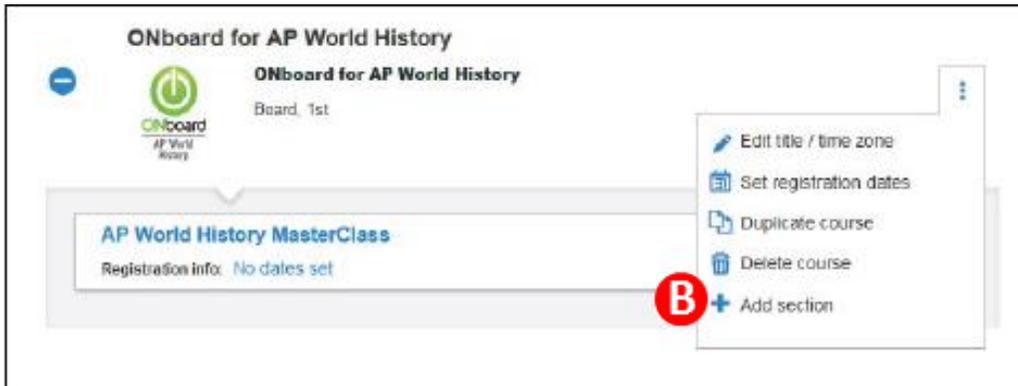
If you are teaching multiple classes, you may wish to create a new Section of ONboard for each class. There are two ways to create new Sections of ONboard: Duplicating a Section and Adding a New Section.

- A Duplicating a Section** (recommended) – Use this option if you would like to make a copy of an existing Section, such as the Master Class. When you duplicate a Section, all assignments and assignment policies will copy to the new Section.

\*\*We recommend that you use this option to duplicate the Master Class in order to ensure your additional Sections include all of the pre-assigned components of ONboard.



- B Adding a New Section** – Use this option if you would like to create a brand new ONboard Section that does NOT have all of the components pre-assigned to your students. When using this option, you will need to assign the components of ONboard yourself.



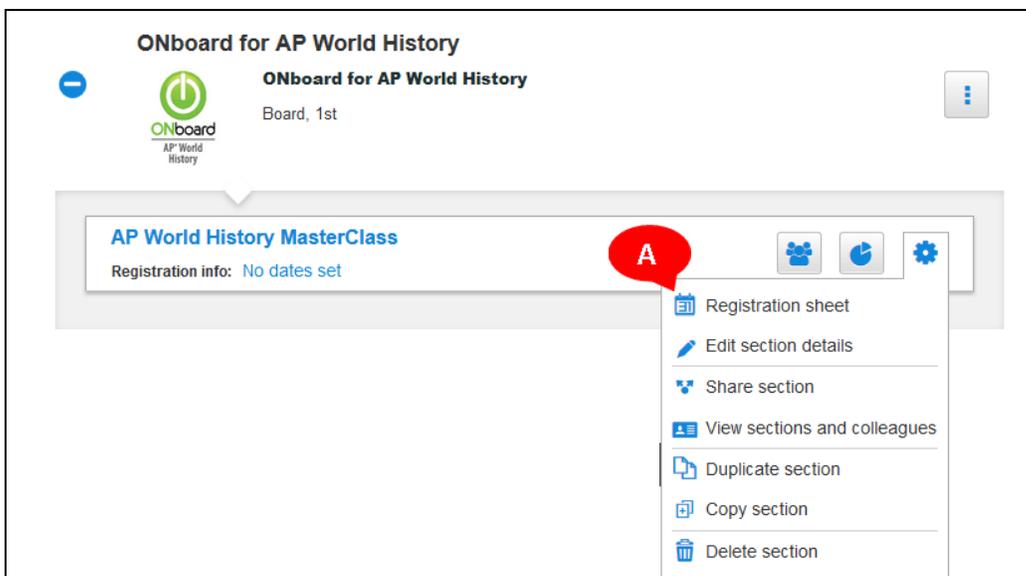
## Registering Students

In order to join a Section you have created, students must register. To register, you need to provide students with two pieces of information: the unique Section Web Address and a student registration code.

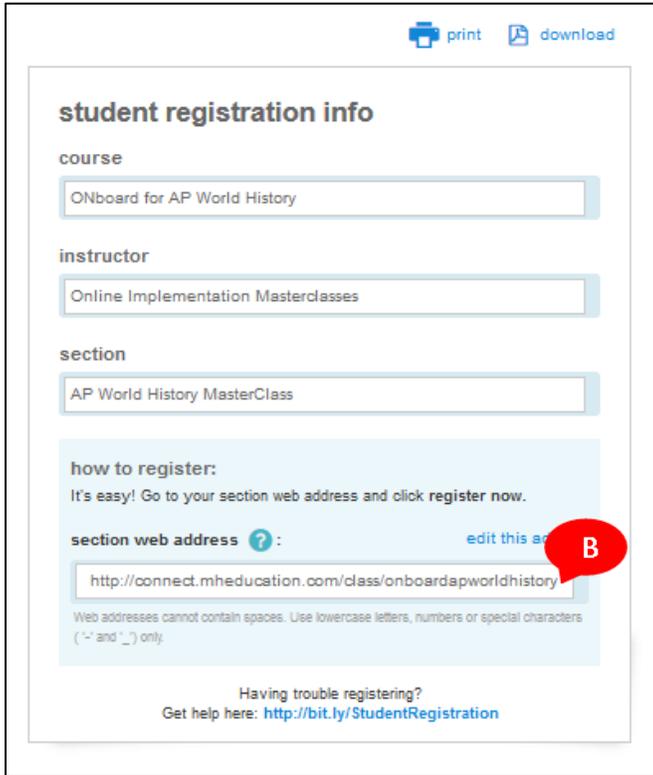
- Section Web Address**

Each Section you create in Connect has a unique URL. Student use this URL to register for the correct section. When students register, they are added as a student in that class.

To find the Section Web Address, navigate to the **My Courses** page and click on the **Section Options** button next to the section for which you want students to register. Select Registration Sheet **(A)**.



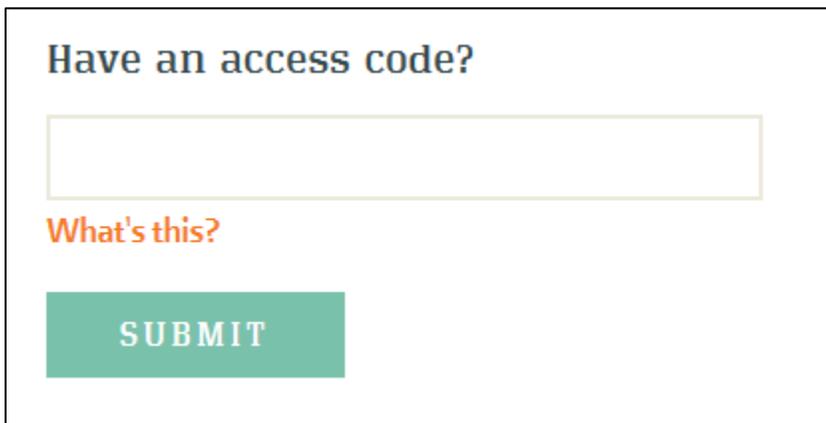
You can print or download the registration sheet to distribute to your students. At the bottom of the Registration Sheet is the Section Web Address **(B)**. To begin registration, students visit this URL.



The screenshot shows a registration form titled "student registration info". At the top right, there are "print" and "download" icons. The form contains three input fields: "course" with the value "ONboard for AP World History", "instructor" with "Online Implementation Masterclasses", and "section" with "AP World History MasterClass". Below these is a "how to register:" section with instructions: "It's easy! Go to your section web address and click register now." The "section web address" field is highlighted with a red circle containing the letter "B", and contains the URL "http://connect.mheducation.com/class/onboardapworldhistory". A small "edit this address" link is next to the field. Below the field, a note states: "Web addresses cannot contain spaces. Use lowercase letters, numbers or special characters ('-' and '\_') only." At the bottom, there is a link for help: "Having trouble registering? Get help here: <http://bit.ly/StudentRegistration>".

- **Student Registration Code**

When students visit the Section Web Address to register, they will be asked to enter their 20-digit Student Registration Code. This code was provided to you or your school at the time ONboard was purchased. Students will be unable to register for your Section without this code.



The screenshot shows a form titled "Have an access code?". It features a large empty text input field. Below the field is the text "What's this?" in orange. At the bottom of the form is a green button with the word "SUBMIT" in white capital letters.

For more details about the steps students complete during the registration process, please see [Registering for ONboard](#)

## Overview of the Section Homepage

When you open a section of ONboard you will see the section homepage. From this page you can:

- A** Click on the **House Icon** to return to the Section Homepage from within any page in Connect.
- B** Click on **Library** to access the resources available for ONboard.
- C** Click on **Performance** to access the different types of reports you can generate when students have submitted assignments.
- D** Click on **My Courses** to go back to the My Courses page.
- E** View the **Assignments** that have been created for this Section.
- F** Click on **+Add Assignment** to create new assignments for this section.
- G** Click on **Student View** to preview what your students in this section will see.
- H** View and edit **Section Information**, including the student roster and instructor information.

The screenshot displays the ONboard for AP Biology section homepage. At the top, the user is identified as Caitlin Uttley, with links for My account, Help, and Sign out. The page title is "ONboard for AP Biology" and "ONboard for AP Biology MasterClass". The navigation bar includes a Home icon (A), Library (B), Performance (C), and My courses (D). Below the navigation bar, there are tabs for section overview, Instructor view, and Student view (G). The main content area features a message box, an assignments table with a "+ Add Assignment" button (F), and a list of assignments including "First Step: Take the Pre-Test", "Module 1: Biology Big Ideas", "Module 2: Experimental Design", "Module 3: Math Skills", "Module 4: Graphing and Data Analysis", "Module 5: Chemistry Foundations", and "Final Step: Take the Comprehensive Assessment". A right sidebar contains "Section info" (H) with instructor details for Caitlin Uttley, "Section performance", "bookmarks", and "news feeds".

Title	Shared	Info	Start-due	Show/hide
First Step: Take the Pre-Test		i	none-05/16/16	eye
Module 1: Biology Big Ideas		i	none-05/16/16	eye
Module 2: Experimental Design		i	none-05/16/16	eye
Module 3: Math Skills		i	none-05/16/16	eye
Module 4: Graphing and Data Analysis		i	none-05/16/16	eye
Module 5: Chemistry Foundations		i	none-05/16/16	eye
Final Step: Take the Comprehensive Assessment		i	none-05/16/16	eye

## Assignments in the Master Class

When ONboard is purchased, teachers receive a “Master Class.” In the Master Class, all of ONboard’s available components are pre-assigned to your students, arranged in the most effective order.

The assignments in the Master Class are:

- A** A **Pre-Test** helps set a base score for the skills students will learn and improve while using ONboard.
- B** The **interactive modules** (consisting of groups of submodules) teach the skills and background knowledge that students will need to succeed in their AP courses.
- C** A **Final Comprehensive Assessment** exam allows students to see how far they’ve progressed in the skills and knowledge needed for the course. It may also point to areas in which they may need further study.
- D** The **Additional Practice** area makes all of the interactive submodules available to be selected and assigned as needed to help reinforce skills and background knowledge throughout the school year.

The screenshot shows the 'Assignments' page in the ONboard interface. At the top, there is a header with 'Assignments' and a '+ Add Assignment' button. Below the header is a table with columns: Title, Shared, Info, Start-due, and Show/hide. The table contains the following assignments:

Title	Shared	Info	Start-due	Show/hide
----- Drop an assignment here to remove from a group ----->				
First Step: Take the Pre-Test <b>A</b>			none-05/16/16	
Module 1: Biology Big Ideas <b>B</b>			none-05/16/16	
Module 2: Experimental Design			none-05/16/16	
Module 3: Math Skills			none-05/16/16	
Module 4: Graphing and Data Analysis			none-05/16/16	
Module 5: Chemistry Foundations			none-05/16/16	
Final Step: Take the Comprehensive Assessment <b>C</b>			none-05/16/16	
Additional Practice <b>D</b>				

## Viewing and Editing Assignments

From your Section Homepage you can see all of your assignments.

Click on the name of an assignment **(A)** to open the details. Opening the details will allow you to:

- Preview the assignment
- See which students have started the assignment
- Update the assignment policies (due date, number of attempts, time limit, points, etc.)
- Edit the assignment content

Click on the eye symbol next to any assignment **(B)** to hide it from students.

Click on **+Add Assignment (C)** to create additional assignments. For more in-depth information about creating and editing assignments in Connect, consult the **Connect Implementation Guide** found at [mheonline.com/apresources](http://mheonline.com/apresources).

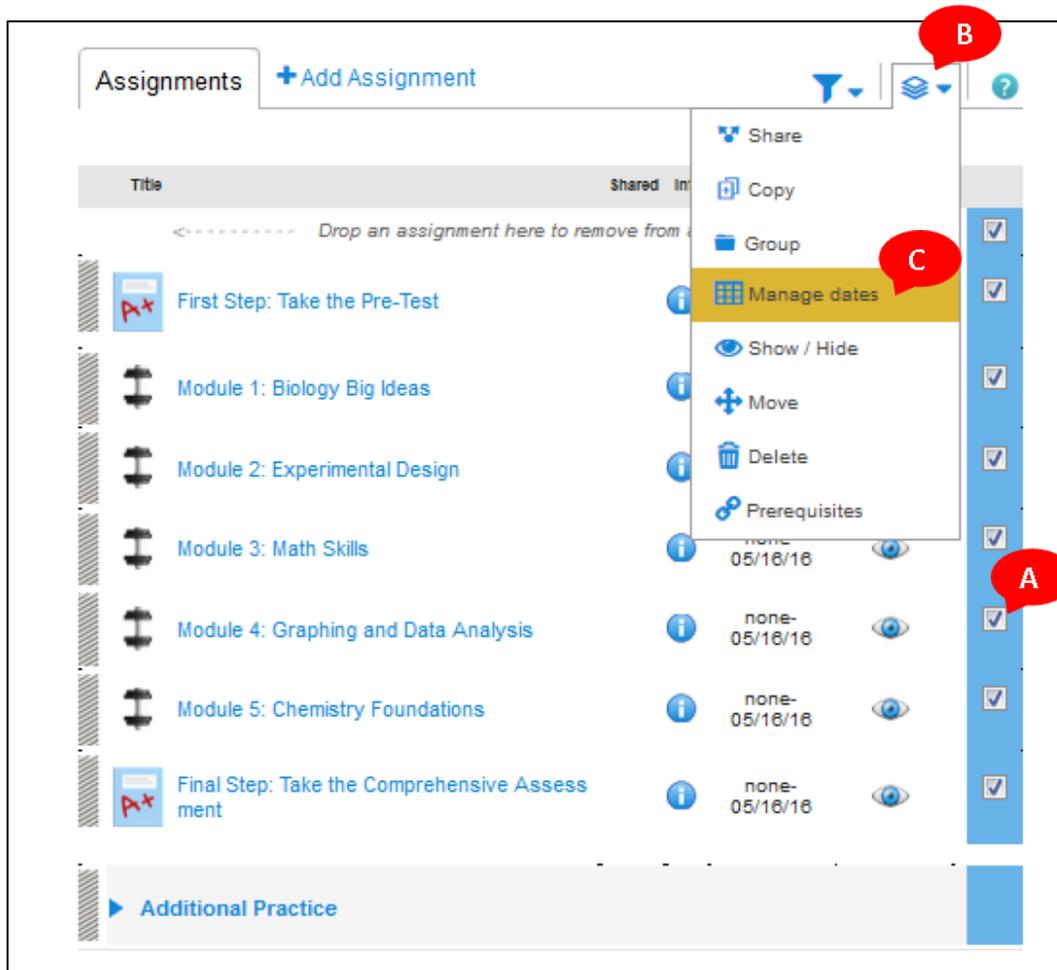
The screenshot displays the 'Assignments' page. At the top, there is a header with 'Assignments' and a '+ Add Assignment' button (labeled C). Below the header is a table with columns: Title, Shared, Info, Start-due, and Show/hide. The table contains several rows of assignments. The first row is 'First Step: Take the Pre-Test' (labeled A), which has an 'i' icon in the Info column, 'none-05/16/16' in the Start-due column, and an eye icon in the Show/hide column (labeled B). The other rows are 'Module 1: Biology Big Ideas', 'Module 2: Experimental Design', 'Module 3: Math Skills', 'Module 4: Graphing and Data Analysis', and 'Module 5: Chemistry Foundations', all with 'i' icons and 'none-05/16/16' due dates. The final row is 'Final Step: Take the Comprehensive Assessment' (labeled A), with an 'i' icon and 'none-05/16/16' due date. At the bottom, there is a section for 'Additional Practice'.

Title	Shared	Info	Start-due	Show/hide
<b>A+</b> First Step: Take the Pre-Test <b>A</b>		<b>i</b>	none-05/16/16	<b>B</b>
Module 1: Biology Big Ideas		<b>i</b>	none-05/16/16	
Module 2: Experimental Design		<b>i</b>	none-05/16/16	
Module 3: Math Skills		<b>i</b>	none-05/16/16	
Module 4: Graphing and Data Analysis		<b>i</b>	none-05/16/16	
Module 5: Chemistry Foundations		<b>i</b>	none-05/16/16	
<b>A+</b> Final Step: Take the Comprehensive Assessment <b>A</b>		<b>i</b>	none-05/16/16	
Additional Practice				

## Changing Assignment Due Dates

The first year you use ONboard, the due dates will be automatically set to just before the date of the AP exam. In subsequent years, you will want to update the due dates to correspond to the new school year. To modify the due dates, select the assignment(s) you would like to change by clicking the checkbox **(A)**. You can set separate due dates for each assignment, or select all and make all assignments due on the same date. If using ONboard as a summer assignment, you may want to have students complete all assignments before class begins.

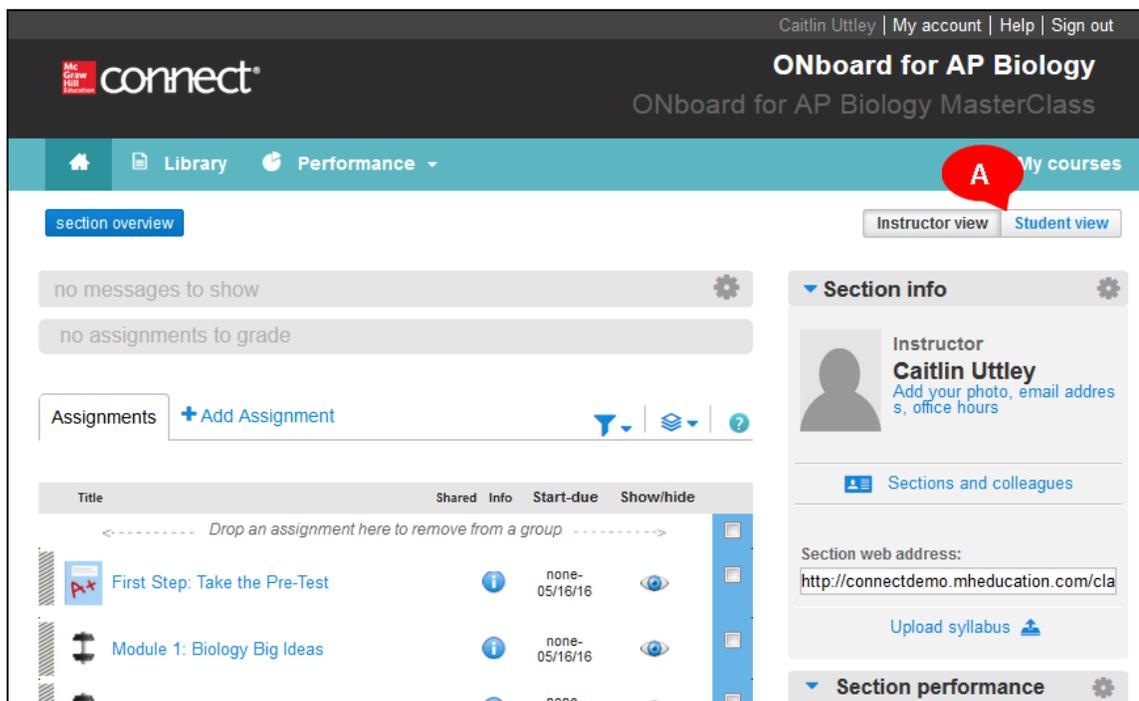
Once you have selected the assignments to modify, click on the **assignment options button (B)** and select **manage dates (C)**.



In the **manage dates** page, you can updated due dates all at the same time (in bulk) or individually. For more details about adjusting due dates, see the **Connect implementation guide** found at [mheonline.com/apresources](http://mheonline.com/apresources).

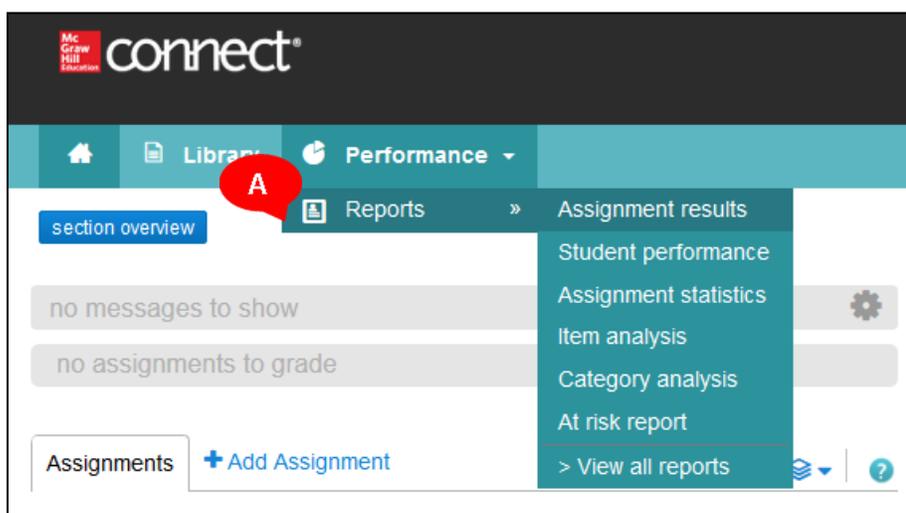
## Previewing Assignments as a Student

From your section homepage, click on the Student View button **(A)** to preview the course the way your students will see it. Once in the student view, you can preview and take the Pre-Test, Interactive Modules, Comprehensive Assessment, or any assignment you have created!



## Teacher Reports

When students complete their assignments, you can see their scores using Connect's Performance Reports. Access the performance reports by clicking on Performance and selecting Reports **(A)**. This will reveal a list of available reports.



There are five different report types for graded assignments:

- **Assignment Results**

See assignment scores listed by student and color-coded into high-, medium-, and low-score ranges. You also have the ability to customize the results that are displayed.

**Assignment Results** Show: Assignment Results

Use the options below to view assignment scores. [Show options](#)

Section: ONboard (Smith, John) Report created: 04/06/2016 11:03:49 AM EDT  
 Report date range: - Attempt: All  
 Score style: Points  
 Assignment type:  Homework  Quiz  Exam  Practice  file attachment  speech assignments  
 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	<input checked="" type="checkbox"/> ONboard for Psychology Pre-Test	<input checked="" type="checkbox"/> Module 1: You as a Learner	<input checked="" type="checkbox"/> Module 2: Reading and Interpreting	<input checked="" type="checkbox"/> Module 3: What is the Scientific Method?
	810 pts	750 pts	20 pts	20 pts	20 pts
Student, Amy	585.92	561.50	12.75	11.67	
Student, Megan	638.59	603.34	18.25	17.00	

\* submitted past due date    † extension    m requires manual grading

- **Student Performance**

See an individual student's scores, status of assignments, and time spent on each assignment. Click on the blue student **score (A)** to see how the student answered each question in the Pre-Test, Module Quizzes, or Final Comprehensive Assessment.

**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)

Student, Amy [Submitted assignments results](#) [Assignments in progress](#)

Show: All assignments [Export to Excel](#) [Print](#)

Assignments	Score	Started	Submitted	Time spent (HH:MM)	Date scored
<b>ONboard for Psychology Pre-Test</b> <b>A</b> (Points): 750.00 , Average Score: 561.50 ( 74.87 %)					
Attempt 1	561.50(74.87%)	04/06/16 10:29AM EDT	04/06/16 10:40AM EDT	0:10	
<b>Introduction</b> Total Value (Points): 0.00 , Average Score: 0.00 ( 0 %)					
Attempt 1	0.00(0.00%)	04/06/16 10:46AM EDT	04/06/16 10:46AM EDT	0:00	
<b>Module 1: You as a Learner</b> Total Value (Points): 20.00 , Average Score: 12.75 ( 63.75 %)					
Attempt 1	12.75(63.75%)	04/06/16 10:41AM EDT	04/06/16 10:42AM EDT	0:01	
<b>Module 2: Reading and Interpreting</b> Total Value (Points): 20.00 , Average Score: 11.67 ( 58.35 %)					
Attempt 1	11.67(58.35%)	04/06/16 10:44AM EDT	04/06/16 10:45AM EDT	0:01	

\* Submitted past due date = Extension     Not yet graded

- **Assignment Statistics Report**

See this Section's highest, lowest, and average scores on each assignment attempt, or compare multiple Sections' scores.

## assignment statistics

Show: Assignment Statistics ▾

View score statistics on submitted assignments.

[▶ show report options & settings](#)

Scores below are averages across attempts.

**assignment statistics: ONboard (Smith, John)**  
 report created: 04/06/2016 11:11 AM EDT  
 assignment type: Homework, Practice, Quiz, Exam

Click on an assignment name to view **attempt** details.

expand all | collapse all
export to excel

assignment	mean score	highest score	lowest score	# students submitted	# times submitted
▶ ONboard for Psychology Pre-Test (unlimited attempts, 750.0 points)	582.42	603.34	561.5	2	2
▶ Module 1: You as a Learner (unlimited attempts, 20.0 points)	15.5	18.25	12.75	2	2
▶ Module 2: Reading and Interpreting (unlimited attempts, 20.0 points)	14.34	17	11.67	2	2

- **Item Analysis Report**

This report allows teachers to analyze each question on the Pre-Test, Module Quizzes, and Final Comprehensive Assessment. You can see the average scores for each question and how each individual student scored on that question.

## Item Analysis

Show: Item Analysis ▾

View student scores on each question within an assignment.

[▶ Show options](#)

**Item Analysis**  
 Section: ONboard (Smith, John)  
 Report created: 04/06/2016 11:13 AM EDT  
 Assignment: [ONboard for Psychology Pre-Test](#)  
 Show first, last and best assignment attempts  
 Exclude attempts submitted after due date  Show percentages

students submitted: **2**

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

Questions	First assignment attempt	Last assignment attempt	Best assignment attempt
<span style="color: blue; font-weight: bold;">+</span> How might having a Fixed Mindset affect your...	100.00%	100.00%	100.00%
<span style="color: blue; font-weight: bold;">-</span> Which of the following are Measures of...	50.00%	50.00%	50.00%
Student, Amy	0.00%	0.00%	0.00%
Student, Megan	100.00%	100.00%	100.00%
<span style="color: blue; font-weight: bold;">+</span> Drag the labels of the Scientific...	50.00%	50.00%	50.00%

- **Category Analysis Report**

This report allows teachers to analyze categories of questions to determine areas in which students are struggling. You can sort by question type or by submodule name, and can search across all assignments. This can help you focus in on skills or concepts that you may want to reinforce in class.

## Category Analysis

Show: Category Analysis ▼

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

[▶ Show options](#)

---

**Category Analysis**

Section: ONboard (Smith, John)      Report created: 04/06/2016 11:20 AM EDT

Report date range: -

Assignment: Module 2: Reading and Interpreting

Expand each category to see scores.

	Questions	Students submitted	Category score (Best assignment attempt)
<b>Submodule: Critical Thinking</b>			
<span style="color: blue; font-weight: bold;">-</span> Submodule: Critical Thinking	<b>9</b>	<b>2/2</b>	<b>58.33%</b>
CA Qu. 11 Evaluate this essay. How does the...		2/2	50.00%
CA Qu. 13 What organizational pattern(s) is/are used in...		2/2	50.00%
CA Qu. 16 Which of the following are correct...		2/2	75.00%
CA Qu. 17 In what ways is a sequence...		2/2	25.00%
CA Qu. 18 What structure is used in paragraphs...		2/2	0.00%
CA Qu. 19 According to the author and the...		2/2	25.00%
MC Qu. 12 According to the information in paragraph...		2/2	100.00%
MC Qu. 14 According to paragraph 3, what is...		2/2	100.00%
MC Qu. 15 According to the reading, how is...		2/2	100.00%
<b>Submodule: Identifying the Main Idea</b>			
<span style="color: blue; font-weight: bold;">+</span> Submodule: Identifying the Main Idea	<b>5</b>	<b>2/2</b>	<b>100.00%</b>

- **At-Risk Student Report**

This provides a snapshot of a class, and helps teachers assess which students are at risk of falling behind. This report looks for patterns of online student activity to determine engagement levels.

Library
Performance ▾
« My courses | Switch sections

## at risk student report BETA

show: At Risk Student Report ▾

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

**at risk student report: T2**

report created: 03/20/2014 01:01 PM EDT

### breakdown by risk

**total students**

# 35

- at risk 7
- keep watch 6
- safe 22



**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
031037, Student	2.4	<span style="border: 1px solid gray; padding: 2px;">send message to student</span>
031038, Student	3.6	<span style="border: 1px solid gray; padding: 2px;">send message to student</span>
031041, Student	3.3	<span style="border: 1px solid gray; padding: 2px;">send message to student</span>
031067, Student	1.0	<span style="border: 1px solid gray; padding: 2px;">send message to student</span>
031068, Student	1.0	<span style="border: 1px solid gray; padding: 2px;">send message to student</span>
031069, Student	1.0	<span style="border: 1px solid gray; padding: 2px;">send message to student</span>
031070, Student	1.0	<span style="border: 1px solid gray; padding: 2px;">send message to student</span>
031043, Student	6.1	<span style="border: 1px solid gray; padding: 2px;">send message to student</span>
031044, Student	5.6	<span style="border: 1px solid gray; padding: 2px;">send message to student</span>

19

# The Student Experience

## Registering for ONboard

### 1. Go to the Section Web Address

To register for the Section you have created in Connect, students visit the Section Web Address provided on the Registration Sheet (see [Registering Students](#)).

### 2. Enter Email Address

After entering the Section Web Address into a web browser, students will be asked to enter their email address (**A**) to begin the registration process. This is the email address they will use to log in to Connect, as well as the email to which important messages will be sent.

connect®

TEST  
TEST

INSTRUCTOR  
JOHN SMITH

ONBOARD FOR AP US HISTORY  
(V2)  
AP ADVISORY BOARD, 2ND ED.

Welcome

Enter your email to join this class:

Email

BEGIN

Already in this class? [Sign In](#)

Need help? [Contact customer service](#)

### 3. Create an Account

If students do not already have a Connect account, they will be asked to create one at this time (**B**). To create an account, they will need to provide a password for their account, their name, and the answer to a security question.

If the student already has a Connect account, he or she will be asked to provide the account password.

Create your McGraw-Hill Education account.

Email Address

student\_demo@onboard.com

Confirm Email Address

Password

Password

Confirm Password

Passwords are case sensitive and must contain 8-20 characters including: 1 uppercase character, 1 lowercase character and 1 number. (No spaces)

Full Name

First Name

Last Name

Security Question And Answer

Select a Question

Security Answer

We'll ask you this question to retrieve your password.

I agree to the terms of the McGraw-Hill Education [Terms of Use](#) and [Privacy Notice](#).

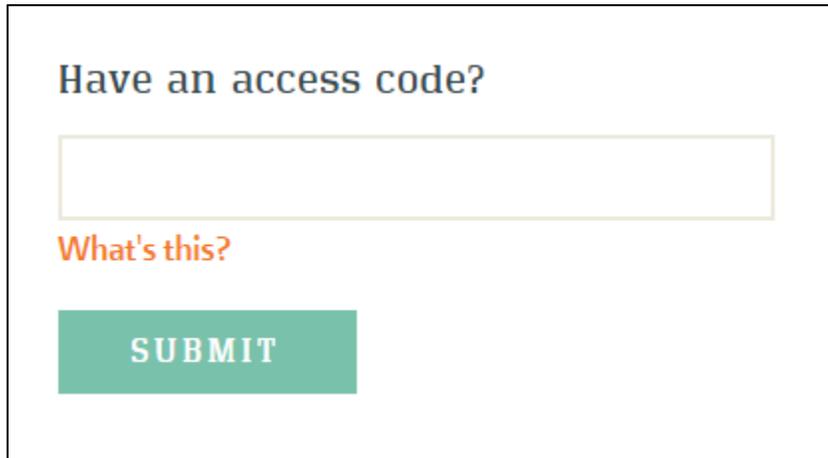
NEXT STEP

Instructor:  
John Smith

Advisory Board: ONboard for  
AP US History (V2)  
2ND EDITION  
AP Advisory

#### 4. Enter the Registration Code

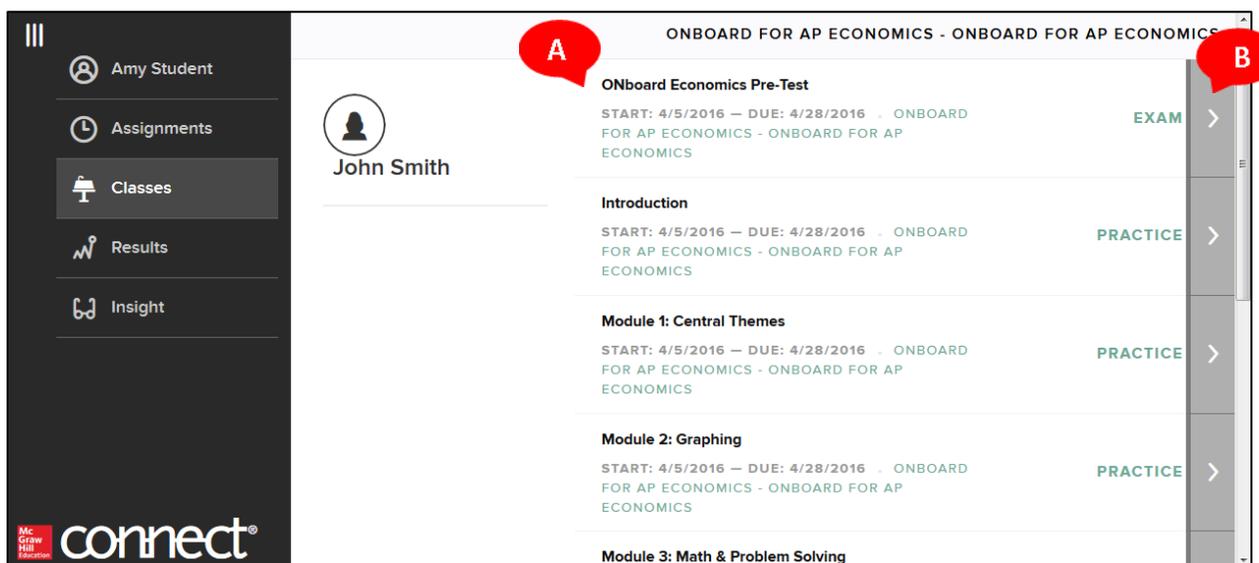
Students will then be asked to enter their 20-digit registration code for ONboard. This code was provided to you or your school at the time ONboard was purchased.



The screenshot shows a registration code entry interface. At the top, it asks "Have an access code?". Below this is a large, empty rectangular input field. Underneath the input field is a link that says "What's this?". At the bottom of the form is a green button with the word "SUBMIT" in white capital letters.

### Navigating the Course

When students enter ONboard, they will be taken to their class assignments list. To get more details about an assignment, students can click on the assignment name **(A)**. This will open a window that will provide the assignment details, including: the start and due dates, the point value of the assignment, and the time limit and number of attempts allowed (if applicable). To begin the assignment, students click the arrow **(B)**.



The screenshot displays the ONboard interface for AP Economics. On the left is a dark sidebar with navigation options: Amy Student, Assignments, Classes (highlighted), Results, and Insight. The main content area shows the user's name, John Smith, and a list of assignments. Each assignment entry includes the assignment name, start and due dates, and a button to access the assignment. Red callout boxes labeled 'A' and 'B' point to the assignment name and the right-pointing arrow, respectively.

Assignment Name	Start Date	Due Date	Action
ONboard Economics Pre-Test	4/5/2016	4/28/2016	EXAM >
Introduction	4/5/2016	4/28/2016	PRACTICE >
Module 1: Central Themes	4/5/2016	4/28/2016	PRACTICE >
Module 2: Graphing	4/5/2016	4/28/2016	PRACTICE >
Module 3: Math & Problem Solving			

## Taking the Pre-Test

The ONboard program begins with a Pre-Test, which is designed to test the base level of student skills and background knowledge. Student should not be discouraged if they get a low score on the Pre-Test. They'll learn all they need to know to earn a higher score on the Comprehensive Assessment in the interactive submodules.

### ONboard Economics Pre-Test

---

 Exam

---

**Start:** Apr 5, 2016 at 3:27 PM EDT  
**Due:** Apr 28, 2016 at 11:59 PM EDT

*Attempt 1 of 1 in progress...*

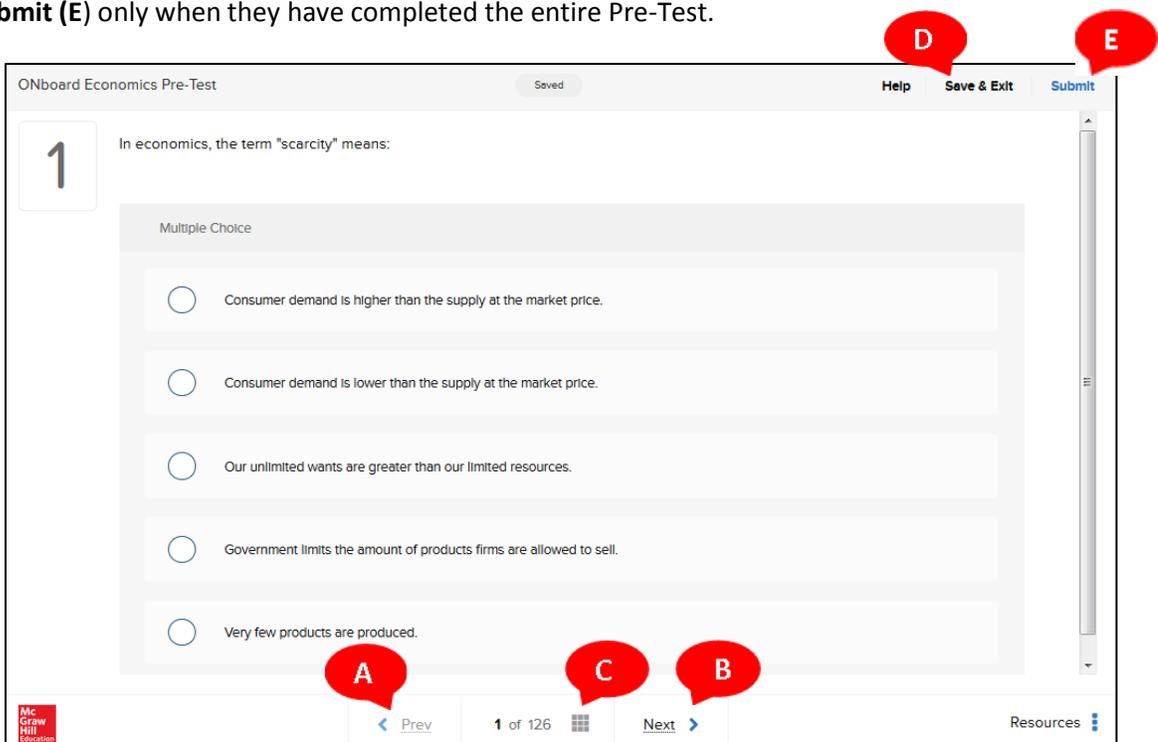
1000 POINTS POSSIBLE

CONTINUE

There are a variety of question types, including multiple choice, multi-select, and drag-and-drop. All questions can be completed electronically and submitted for grading. Use the Prev (**A**) and Next (**B**) buttons to navigate between the questions in the assignment. The question map (**C**) allows students to quickly navigate to a specific question, as well as see which questions have and have not been answered yet.

Students have only one chance to complete the Pre-Test, but they can save their progress and continue later by clicking on **save & exit (D)** if they are interrupted while taking the test.

Click **submit (E)** only when they have completed the entire Pre-Test.



The screenshot shows the ONboard Economics Pre-Test interface. At the top, it says "ONboard Economics Pre-Test" and "Saved". On the right, there are buttons for "Help", "Save & Exit", and "Submit". The main content area shows a question: "1 In economics, the term 'scarcity' means:". Below the question is a "Multiple Choice" section with five options, each with a radio button. At the bottom, there are navigation buttons: "Prev" (labeled A), "1 of 126" (with a question map icon labeled C), "Next" (labeled B), "Save & Exit" (labeled D), and "Submit" (labeled E). The McGraw Hill Education logo is in the bottom left corner.

After submitting the assignment, students immediately see their score **(A)** and which questions were answered correctly or incorrectly **(B)**.

ONboard for Psychology Pre-Test Submitted 561.5/750 Total points awarded Help Exit

1 How might having a Fixed Mindset affect your academic performance?

10/10 Points awarded

SCORED

Multiple Choice

- You may keep pushing yourself until you succeed.
- You may accept feedback and learn from your mistakes.
- You may decide, after a setback, that you should drop a challenging class. ✓
- A Fixed Mindset will improve your academic performance.
- A Fixed Mindset will not affect your academic performance.

McGraw Hill Education

< Prev 1 of 75 Next >

Resources

**A**

**B**

## Completing the Interactive Modules

The core of ONboard is a series of modules, each containing several interactive submodules. These modules appear in the assignment list **(A)**. The skills and content in the submodules build upon each other, so it's important that students work sequentially through the submodules as assigned.

To begin a module, click on the gray arrow **(B)**.

ONBOARD FOR AP PSYCHOLOGY - ONBOARD

John Smith

ONBOARD ASSESSMENTS AND MODULES 7 items

**ONboard for Psychology Pre-Test** SEE REPORT  
START: 4/6/2016 — DUE: 4/29/2016 . ONBOARD FOR AP PSYCHOLOGY - ONBOARD **HOMEWORK** >

**Introduction** SEE REPORT  
START: 4/6/2016 — DUE: 4/29/2016 . ONBOARD FOR AP PSYCHOLOGY - ONBOARD **HOMEWORK** >

**Module 1: You as a Learner** SEE REPORT  
START: 4/6/2016 — DUE: 4/29/2016 . ONBOARD FOR AP PSYCHOLOGY - ONBOARD **HOMEWORK** >

**Module 2: Reading and Interpreting** SEE REPORT  
START: 4/6/2016 — DUE: 4/29/2016 . ONBOARD FOR AP PSYCHOLOGY - ONBOARD **HOMEWORK** >

**Module 3: What is the Scientific Method?**  
START: 4/6/2016 — DUE: 4/29/2016 . ONBOARD FOR AP PSYCHOLOGY - ONBOARD **HOMEWORK** >

**Module 4: Statistical Skills**  
START: 4/6/2016 — DUE: 4/29/2016 . ONBOARD FOR AP PSYCHOLOGY - ONBOARD **HOMEWORK** >

Once inside the module, students will be provided with a list of the interactive submodules. They should click on the links **(A)** and work through each submodule before moving on to the quiz.

Once they have completed each submodule, they can click Next **(B)** to begin the quiz.

Module 4: Statistical Skills Saved Help Save & Exit Submit

**1**

**Instructions:** Use the links below to complete each of the 3 interactive submodules. Then, take a 20-question quiz to test your understanding. Your score for the quiz will automatically be sent to your teacher.

**MODULE 4: STATISTICAL SKILLS**

**A** [Mean, Median, Mode, and Standard Deviation](#)  
[Curves](#)  
[Statistical Significance](#)

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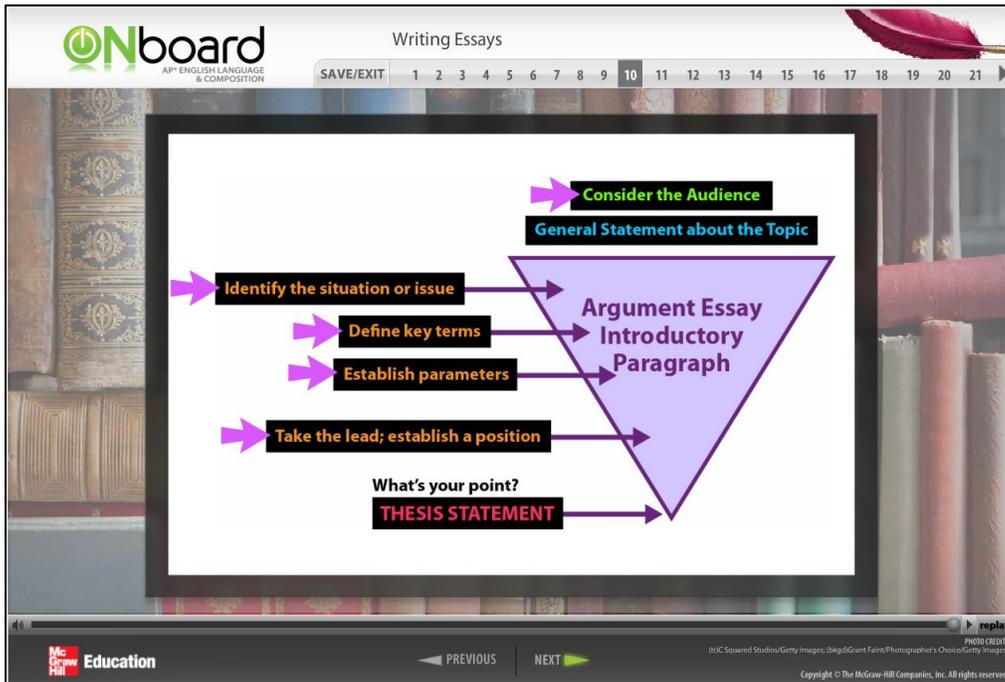
< Prev 1 of 21 [grid] Next > Resources

**B**

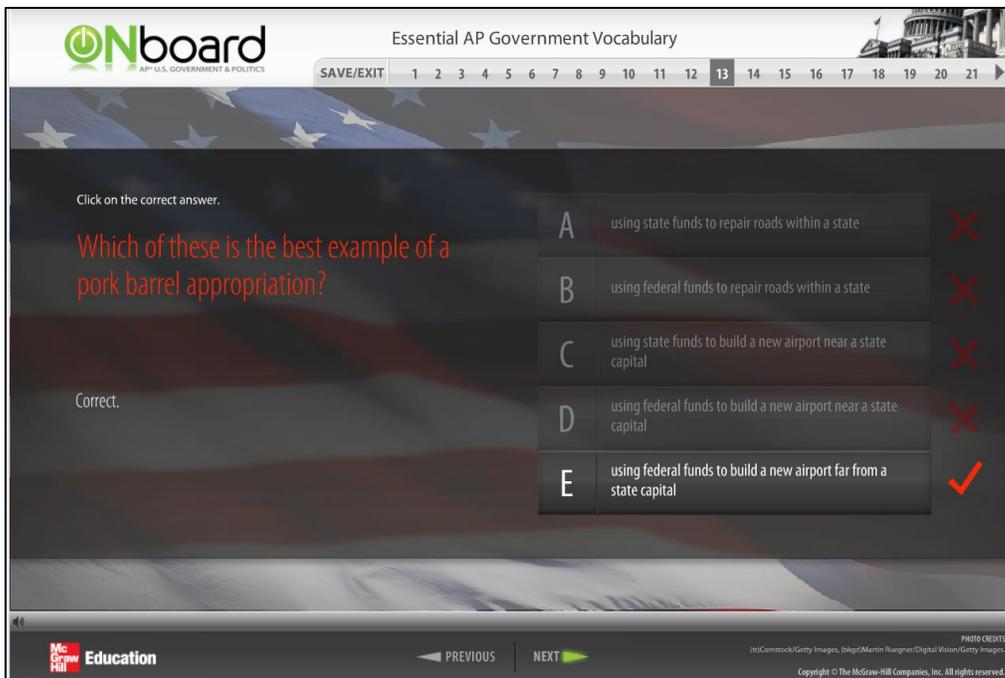
- **Submodules**

The submodules contain various types of slides.

Animation is used to present content and teach skills.



Periodically, you will see multiple-choice question slides to check progress.



If the question relates to an image or text passage, students may need to click on the **View** button to access the stimuli.

The screenshot shows the ONboard AP Economics interface. The title is "Shifting and Movement Along a Graph". A progress bar at the top shows questions 1 through 13, with 13 selected. The main content area contains a question: "Which of the following could have caused the movement from Point A to Point B in the graph?". Below the question is a "View" button. To the right of the question is a list of five options, each in a separate box:

- A The price of cookies increased from \$6 to \$10.
- B The price of cookies decreased from \$10 to \$6.
- C The cost of producing cookies decreased.
- D The cost of producing cookies increased.
- E Everyone in the country went on a diet.

At the bottom of the interface, there are "PREVIOUS" and "NEXT" navigation buttons, the McGraw-Hill Education logo, and photo credits.

Sometimes content is presented in pop-up boxes. Students should click on the boxes to see (and sometimes hear) additional information.

The screenshot shows the ONboard AP European History interface. The title is "European History Primer: 1450 to Present". A progress bar at the top shows questions 1 through 21, with 7 selected. The main content area is titled "The Wives of Monarchs". On the left, there is a pop-up box for "French Revolution" with the following text: "Marie Antoinette, the Austrian wife of French King Louis XVI, was considered by some as disloyal to the French people because of her foreign birth. Others claimed that her spending habits added to the nation's financial distress." To the right of the pop-up box are two images: a painting of Marie Antoinette and a photograph of a family. Various topic tags are overlaid on the images, including "ALLIANCES", "FOREIGNER", "RUSSIAN REVOLUTION", "FRENCH REVOLUTION", and "YEKATERINBURG". At the bottom of the interface, there are "PREVIOUS" and "NEXT" navigation buttons, the McGraw-Hill Education logo, and photo credits.

Drag-and-drop slides are interactive ways to test student knowledge.

ONboard  
AP® ENVIRONMENTAL SCIENCE

Rock Cycle

SAVE/EXIT 1 2 3 4 5 6 7 8 9 10 11 12

Match the items on the left to the correct areas on the right.

Metamorphic rocks

Sedimentary rocks

When you are done, check your results by clicking "Check Answers."

Check Answers

Rock Cycle

Magma

Melting

Weathering and Erosion

Heat and Pressure

Weathering and Erosion

Heat and Pressure

Melting

Cooling

Igneous rocks

Heat and Pressure

PHOTO CREDITS  
©/Lauren Burke/Photographer's Choice RF/Getty Images, (bg/d) Image Source/Getty Images  
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In some courses, students will be able to type short passages, thesis statements, or answers to short-answer questions in a fill-in box.

ONboard  
AP® U.S. HISTORY

Other Historical Thinking Skills

MENU 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Crafting Historical Arguments from Historical Evidence

Historians have viewed various events in colonial history as the turning point in pushing the colonists toward independence.

A) Choose ONE of the events listed below and explain why you believe your choice is the most important turning point. Provide at least ONE piece of evidence to support your explanation.

The French and Indian War

The Boston Massacre

The Intolerable Acts

Type your answer in the space below.

Submit

PHOTO CREDITS  
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Launch connects to videos, interactive maps, or other activities.

The screenshot shows the ONboard AP Chemistry interface. At the top, the title is "Periodicity and Nomenclature" with a progress bar from 1 to 21, where 3 is selected. The main content area features a video player with the title "Ionic and Covalent Bonding". Below the title, it says: "If you have difficulty viewing this animation, you may need to download RealPlayer®." A "Launch" button is present. The video player shows a close-up of a piece of sodium metal (Na) on a blue surface. The background of the interface is decorated with chemical structures and formulas like H<sub>2</sub>O, HNO<sub>3</sub>, and S.

Each submodule ends with a final 5- to 10-question self-check quiz. The **continue** bar allows students to move on to subsequent questions within the quiz.

The screenshot shows the ONboard AP World History interface for a "Comparison" quiz. The progress bar shows questions 11 through 29, with 29 selected. The question text is: "When you compare two things, you look only for their differences." Below the question are two buttons: "True" (marked with a red X) and "False" (marked with a blue checkmark). The word "Correct." is displayed below the buttons. A "Continue" button is at the bottom. The background features a map of the world.

- **Module Quiz**

After completing all of the interactive submodules in a module, students take a short quiz to evaluate their comprehension of the module's content. Just like the Pre-Test and the Comprehensive Assessment, students see their scores and correct answers immediately after submitting the assignment.

Module 3: What is the Scientific Method? Saved Help Save & Exit Submit

**15**

Which type of research would be best and most ethical to perform if you wanted to measure how quickly women can physically react when multitasking? Check all that apply.

**1**  
Points

Check All That Apply

- Experimental design
- Correlational studies
- Case study
- Naturalistic observations
- Laboratory observation

## Taking the Comprehensive Assessment

Once students have completed all of the submodules, they can take the **Final Comprehensive Assessment (A)**. Like the Pre-Test, they will have only one chance to take the Final Comprehensive Assessment. This assessment is skills-based, and it provides the teacher with data on the skills or background knowledge areas in which students may be struggling. The Comprehensive Assessment functions in the same way as the [Pre-Test](#).

The screenshot displays the 'ONBOARD FOR AP PSYCHOLOGY - ONBOARD' interface. On the left is a navigation sidebar with options: Amy Student, Assignments, Classes, Results, and Insight. The main content area shows the user 'John Smith' and a section titled 'ONBOARD ASSESSMENTS AND MODULES' with 7 items. The items are:

- ONboard for Psychology Pre-Test** (SEE REPORT): START: 4/6/2016 — DUE: 4/29/2016 . ONBOARD FOR AP PSYCHOLOGY - ONBOARD. Category: HOMEWORK.
- Introduction** (SEE REPORT): START: 4/6/2016 — DUE: 4/29/2016 . ONBOARD FOR AP PSYCHOLOGY - ONBOARD. Category: HOMEWORK.
- Module 1: You as a Learner** (SEE REPORT): START: 4/6/2016 — DUE: 4/29/2016 . ONBOARD FOR AP PSYCHOLOGY - ONBOARD. Category: HOMEWORK.
- Module 2: Reading and Interpreting** (SEE REPORT): START: 4/6/2016 — DUE: 4/29/2016 . ONBOARD FOR AP PSYCHOLOGY - ONBOARD. Category: HOMEWORK.
- Module 3: What is the Scientific Method?** (SEE REPORT): START: 4/6/2016 — DUE: 4/29/2016 . ONBOARD FOR AP PSYCHOLOGY - ONBOARD. Category: HOMEWORK.
- Module 4: Statistical Skills** (SEE REPORT): START: 4/6/2016 — DUE: 4/29/2016 . ONBOARD FOR AP PSYCHOLOGY - ONBOARD. Category: HOMEWORK.
- ONboard for AP Psychology Final Comprehensive Assessment** (SEE REPORT): START: 4/6/2016 — DUE: 4/29/2016 . ONBOARD FOR AP PSYCHOLOGY - ONBOARD. Category: EXAM.

A red speech bubble with the letter 'A' is overlaid on the 'ONboard for AP Psychology Final Comprehensive Assessment' row.

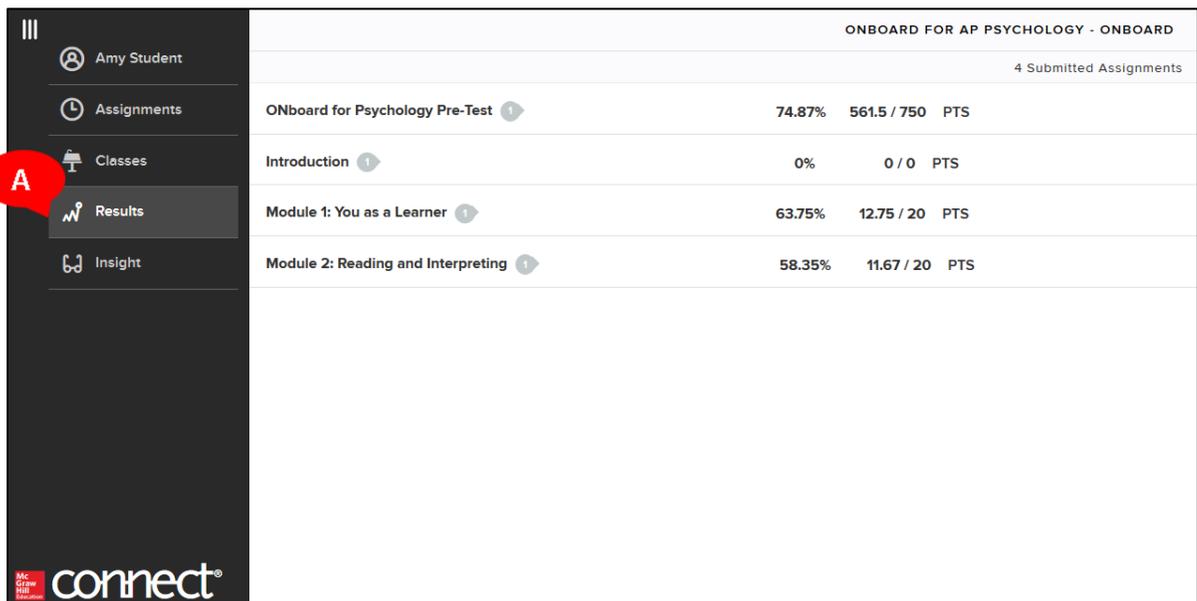
Once students have completed the Final Comprehensive Assessment, they have completed ONboard! While the tests are limited to one attempt only, they have unlimited access to the interactive submodules so they can go back and review topics or skills as they encounter them in their AP course.

## Viewing Results

Students can view their results on completed assignments at any time in Connect.

- **Results**

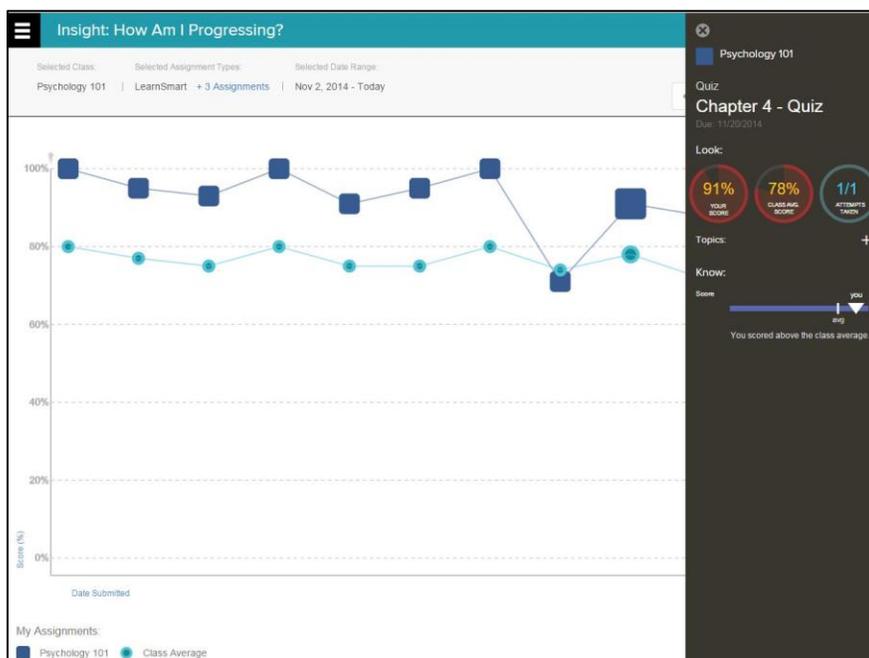
Students can access their grades by clicking on Results **(A)** and selecting their class. All completed assignments for the class will be listed. From this page, students can also open the assignment to see more detailed question-by-question feedback.



ONBOARD FOR AP PSYCHOLOGY - ONBOARD			
			4 Submitted Assignments
ONboard for Psychology Pre-Test	74.87%	561.5 / 750	PTS
Introduction	0%	0 / 0	PTS
Module 1: You as a Learner	63.75%	12.75 / 20	PTS
Module 2: Reading and Interpreting	58.35%	11.67 / 20	PTS

- **Insight**

With Insight, students have a visual representation of their performance across assignments and over time. Insight uses metrics including score and time spent on an assignment to help students analyze their own progress.



## Tablet Users

Students access their ONboard course using the **MHE Connect app** on an iPad or Android tablet. Through the app, students can access and complete all of ONboard's assignments.



Students can also use browsers apps, including Chrome and Safari, to access their ONboard course on a tablet. Simply open the app and go to [connect.mheducation.com](https://connect.mheducation.com).

## Additional Support

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### Resources and How-to

Implementation Guides, Quick Start Guides, Instructional Videos, and additional resources for using McGraw-Hill Education's Advanced Placement digital products can be found at

<https://www.mheonline.com/apresources>

Additional in-depth resources for learning how to use Connect can be found at

<http://mpss.mhhe.com/connectlinks>

### Technical Support

For Technical Support, please contact a McGraw-Hill Education Technical Support Representative:

**By phone:** 1-800-437-3715 (Monday-Friday, 7:00 am - 8:00 pm (Eastern Time))

**By email:** [epgtech@mheducation.com](mailto:epgtech@mheducation.com)

**Online:** <https://www.mheonline.com/epgtechcontact>