

# Application-Based Activities

## Contents

<b>Quick Start</b> .....	1
Create an ABA assignment.....	1
Grading ABAs.....	4
<b>Deeper Dive</b> .....	4
How to View Student Performance: Instructor View .....	4
How to View Student Performance: Student View .....	5
Matching/Align ABAs: Instructor View.....	6
Matching/Align ABA Student View .....	7
Role-Playing/SmartChat ABAs: Instructor View.....	8
Role-Playing/SmartChat ABAs Student View .....	10
Self-Assessment/SmartForm ABAs: Instructor View:.....	11
Self-Assessment/SmartForm ABAs: Student View .....	14
Multimedia Case/SmartVideo ABAs: Instructor View .....	16
Multimedia Case/SmartVideo: Student View .....	17

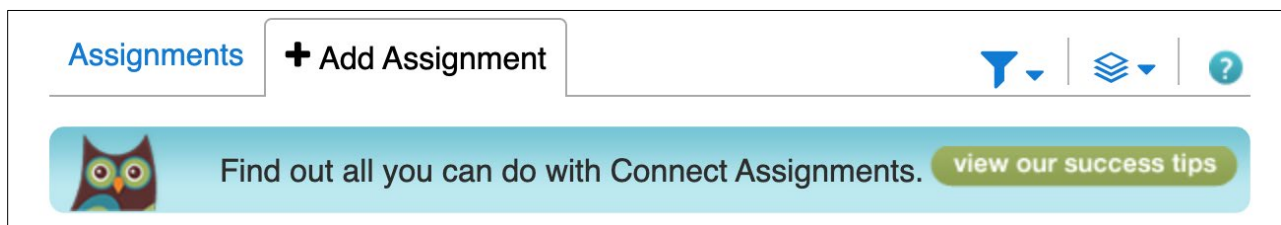
## Quick Start

Application-Based Activities (ABAs) give your students an immersive experience in your course content. Each ABA is developed to drive a deeper level of content understanding in the specific course, and so there are a wide variety of ABA assignment types available across the Connect platform. While the screen shots below may not be a perfect match to the ABAs you are seeing in your course, the functionality is the same.


*\* A more detailed ABA Implementation or User Guide may be available in your Instructor Resources Library.*

### Create an ABA assignment

Once you are logged into your Connect course, click on **Add Assignment**.



Then scroll down to **Application-Based Activity**. Click there.

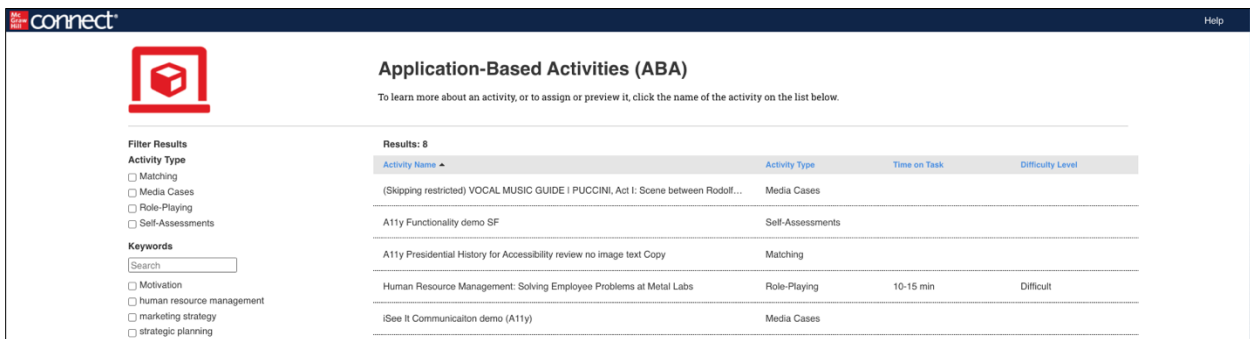


## Application-Based Activity

Provide students with valuable practice using problem solving skills to apply their knowledge to realistic scenarios. Students progress from understanding basic concepts to using their knowledge to engage in complex scenarios.

[see how it works](#)

When you open the ABAs, you'll see Filter options on the left-hand side of the page and Activities in the middle of the page.

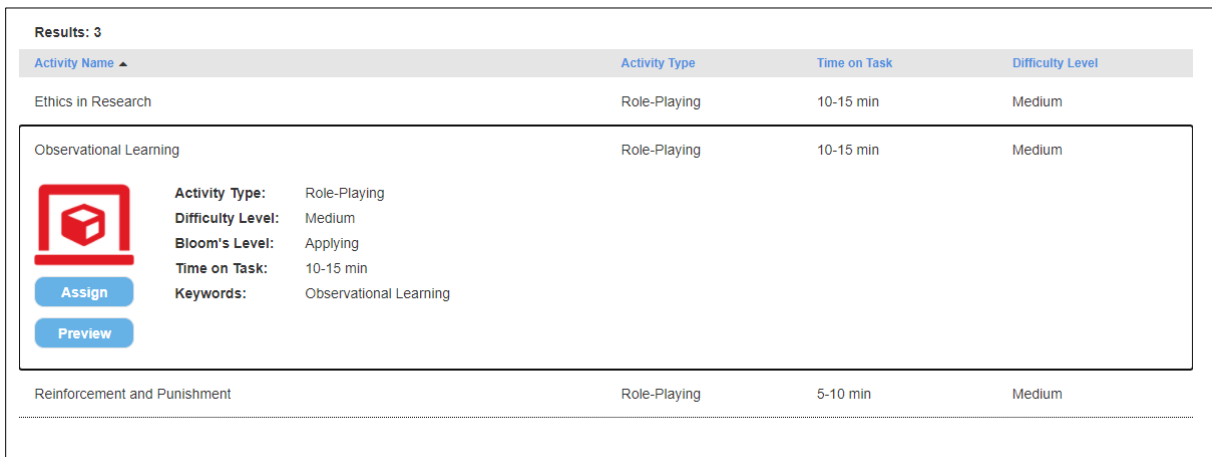


Activity Name	Activity Type	Time on Task	Difficulty Level
(Skipping restricted) VOCAL MUSIC GUIDE   PUCCINI, Act I: Scene between Rodolf...	Media Cases		
A11y Functionally demo SF	Self-Assessments		
A11y Presidential History for Accessibility review no image text Copy	Matching		
Human Resource Management: Solving Employee Problems at Metal Labs	Role-Playing	10-15 min	Difficult
iSee It Communication demo (A11y)	Media Cases		


We encourage you to use **Filter Results** to sort the ABAs and find the activities you want to use.

As you click through the filter options, the activities available for each will automatically populate on the screen, so you can choose the option that works best for your course.

Once you see an activity you think you want to assign, click on it to see more details.



Activity Name	Activity Type	Time on Task	Difficulty Level
Ethics in Research	Role-Playing	10-15 min	Medium
Observational Learning	Role-Playing	10-15 min	Medium
Reinforcement and Punishment	Role-Playing	5-10 min	Medium




**Activity Type:** Role-Playing  
**Difficulty Level:** Medium  
**Bloom's Level:** Applying  
**Time on Task:** 10-15 min  
**Keywords:** Observational Learning

Click the **Preview** button to play through the activity exactly as your students will experience the assignment. It will open in a new tab in your browser, while leaving Connect open in the previous tab.

### Set Up Policies

Selected Content:  
Observational Learning

Assignment Name: \*

Instructions:  
  


Start Date:  
  US/Central

Due Date: \*  
  US/Central

Points: \*

Assignment Attempts Allowed:

\* required

Once you are ready to assign the ABA, return to the Connect tab and click **Assign**. You will complete the **Set-Up Policies** page, which is similar to other Connect assignment policy pages.

Add the ABA assignment name, include any instructions you want to note for students, and provide the due date and point value. Required items are designated with a red asterisk symbol.

You can also give students multiple attempts to complete the activity, giving them more opportunities to improve their understanding of the concept presented and their final score.

Then click **Assign** in the lower-right corner of the screen.

The ABA assignment will appear in your course assignment list and can be deployed and synced with your course LMS, like Blackboard, Canvas, or D2L Brightspace, like other Connect assignments.

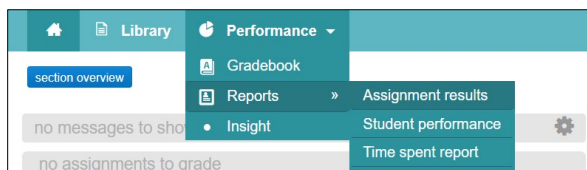
## Grading ABAs

There are 4 categories of ABAs each of which provide student and instructor feedback in a slightly different format depending on their structure. Your Connect course is likely not to have all of these types, so please refer to the below for a guide.

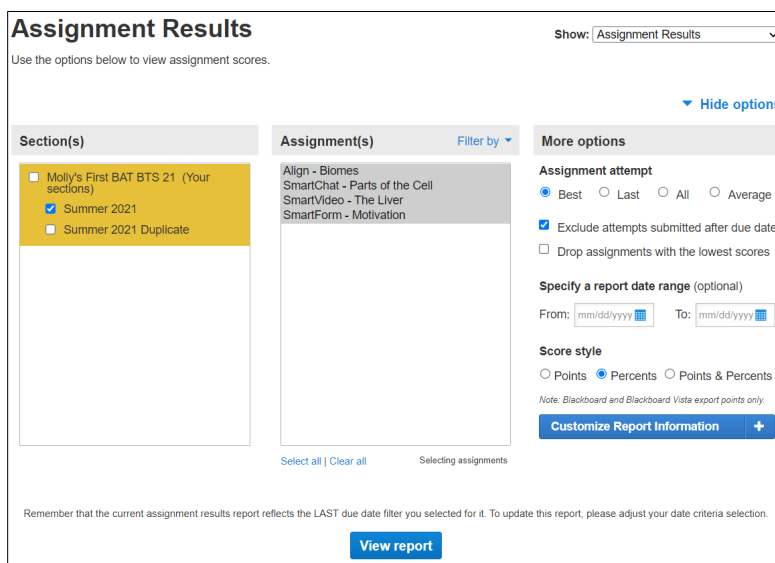
- **Matching/Align ABAs** – like digital flashcards, feedback is provided as percentage of score awarded by learning objective or objectives
- **Role-Playing/SmartChat ABAs**– a role-playing activity where students respond to scenario prompts like a text message conversation; feedback is provided as percentage of score awarded by learning objective with explanations of content to review based on student score
- **Self-Assessment/SmartForm ABAs**– a self-assessment type activity; feedback varies by activity but may include points, percentages, or categorization as well as descriptions or interpretation instructions
- **Multimedia Case/SmartVideo ABAs**– multi-media cases where questions are paired with video or audio files, feedback is provided as percentage of score awarded by learning objective with explanations of content to review based on student score

## Deeper Dive

### How to View Student Performance: Instructor View



Under the Performance tab, select **Reports > Assignment results**.



Select the assignment(s) you would like to view and click **View Report** to generate the course score report.

Select the ABA activity in the course score report. Click on a student score to see the Assignment Summary Report and individual student attempts for the activity.

[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 220 pts	<input checked="" type="checkbox"/> Align - Biomes 100 pts	<input checked="" type="checkbox"/> SmartChat - Parts of the Cell 10 pts	<input checked="" type="checkbox"/> SmartVideo - The Liver 10 pts	<input checked="" type="checkbox"/> SmartForm - Motivation 100 pts
<a href="#">Brooks, Amy</a>	191.80	81.00 %	25.00 %	83.00 %	100.00 %
<a href="#">Griffin, Akilah</a>	212.10	93.00 %	100.00 %	91.00 %	100.00 %
<a href="#">Lieu, Selina</a>	188.20	80.00 %	25.00 %	57.00 % <sup>±</sup>	100.00 %
<a href="#">Walsh, Larry</a>	196.40	79.00 %	100.00 %	74.00 %	100.00 %

\* submitted past due date    <sup>±</sup> extension    <sup>m</sup>requires manual grading

### How to View Student Performance: Student View

Navigate to the **Results** tab on the left-hand menu and select the course name.

MENU	RESULTS	MOLLY'S FIRST BAT BTS 21 - SUMMER 2021
Larry Walsh	4 submitted assignments	
To Do	<ul style="list-style-type: none"> <li>Align - Biomes: 79% (79/100 points), 1 attempt</li> <li>SmartChat - Parts of the Cell: 100% (10/10 points), 1 attempt</li> <li>SmartVideo - The Liver: 73.5% (7.35/10 points), 2 attempts</li> <li>SmartForm - Motivation: 100% (100/100 points), 1 attempt</li> </ul>	
Calendar		
Classes		
Results		
Insight		
Log out		
Need Help? Contact Support		
McGraw Hill connect		

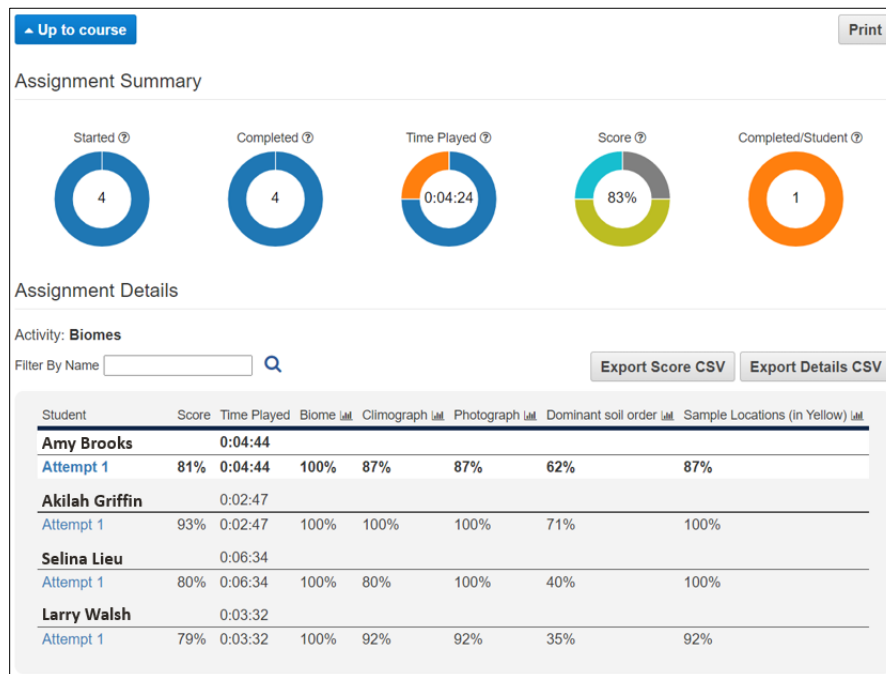
Expand the arrow next to the assignment name to see the score and points earned.

Click on the **View attempt** text to see the activity feedback and review the attempt.

MENU	RESULTS	MOLLY'S FIRST BAT BTS 21 - SUMMER 2021		
Larry Walsh To Do Calendar Classes Results Insight Log out Need Help? Contact Support	4 submitted assignments			
	Align - Biomes	79%	79/100 points	1 attempt
	<a href="#">View attempt 1</a>	79.00%	79/100 points	06/03/2021 at 12:42 PM CDT 3 min
	SmartChat - Parts of the Cell	100%	10/10 points	1 attempt
	<a href="#">View attempt 1</a>	100.00%	10/10 points	06/03/2021 at 12:38 PM CDT 51 min
	SmartVideo - The Liver	73.5%	7.35/10 points	2 attempts
	<a href="#">View attempt 1</a>	73.00%	7.3/10 points	06/03/2021 at 11:25 AM CDT 2 min
	<a href="#">View attempt 2</a>	74.00%	7.4/10 points	06/03/2021 at 11:35 AM CDT 6 min
	SmartForm - Motivation	100%	100/100 points	1 attempt
	<a href="#">View attempt 1</a>	100.00%	100/100 points	06/03/2021 at 12:45 PM CDT 2 min

### Matching/Align ABAs: Instructor View

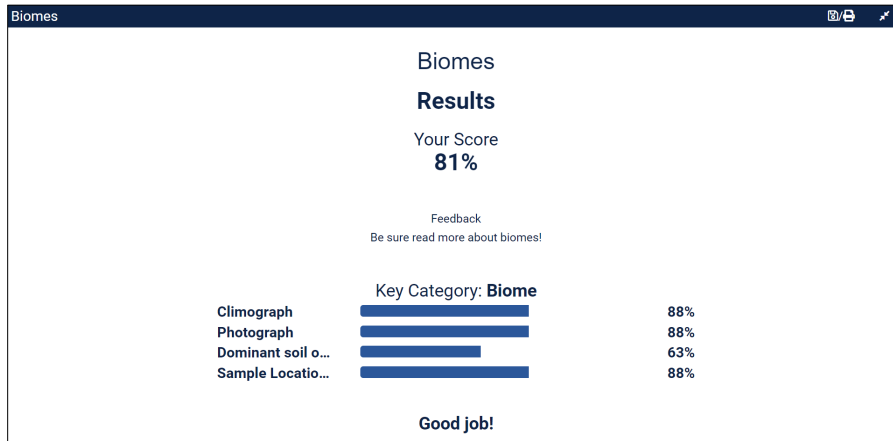
The Assignment Summary Report shows the number of attempts (started and completed), time played, and overall score for all students in the section. The number



inside the dial represents the total (for started and completed attempts) or the average (for time played, score, and completed/student). The dial represents the percentage of students who fall into each range, ex. 1 student took >20 minutes to complete the activity, 2 students took 15-20 minutes to complete the activity, etc. Place your cursor over the ? icon next to the metric name for more information.

The bottom section of the report shows student level performance on the activity, including overall score, time played, and score for each learning objective or category.

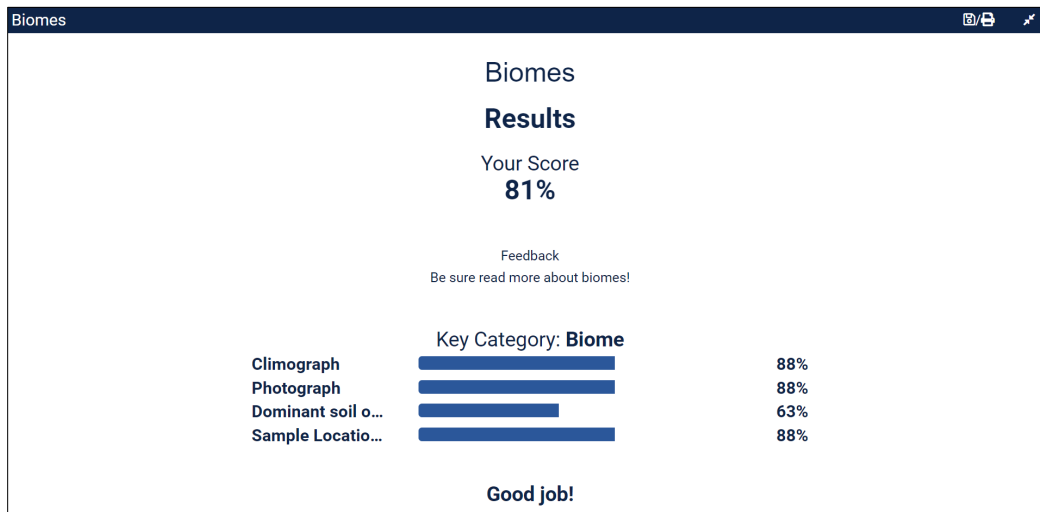
To see feedback provided to an individual student, click on the **Attempt** text below their name.



The activity feedback screen displays the student's overall score as well as their score on each of the learning objectives or categories. It may also include a more detailed recommendation of what to review based on the student's performance on the activity.

### Matching/Align ABA Student View

After completing the activity, the student will be provided with a feedback screen displaying their overall as well as their score on each of the learning objectives or categories. It may also include a more detailed recommendation of what to review based on their performance on the activity.



Once the assignment has been submitted a student can see their score for the assignment by going to the **Results** tab on the left-hand menu. They can review their assignment feedback by clicking the **Review Attempt** button.

Attempt Report

Your Results

Attempt	Score	Time Played	Biome	Climograph	Photograph	Dominant soil order	Sample Locations (in Yellow)
Attempt 1	80%	0:06:34	100%	80%	100%	40%	100%

[◀ Previous](#)
[Review Attempt 1 ▶](#)

### Role-Playing/SmartChat ABAs: Instructor View

The Assignment Summary Report shows the number of attempts (started and completed), time played, and overall score for all students in the section. The number inside the dial represents the total (for started and completed attempts) or the average (for time played, score, and completed/student). The dial represents the percentage of students who fall into each range, ex. 1 student took >20 minutes to complete the activity, 2 students took 15-20 minutes to complete the activity, etc. Place your cursor over the ? icon next to the metric name for more information.

The bottom section of the report shows student level performance on the activity including overall score, time played, and score for each learning objective or category. To see an individual student's attempt, click on the **Attempt** text below their name.

[▲ Up to course](#) [Print](#)

Assignment Summary

Started

4

Completed

4

Time Played

0:13:50

Score

63%

Completed/Student

1

Assignment Details

Activity: **Import of Biology - Parts of the Cell**

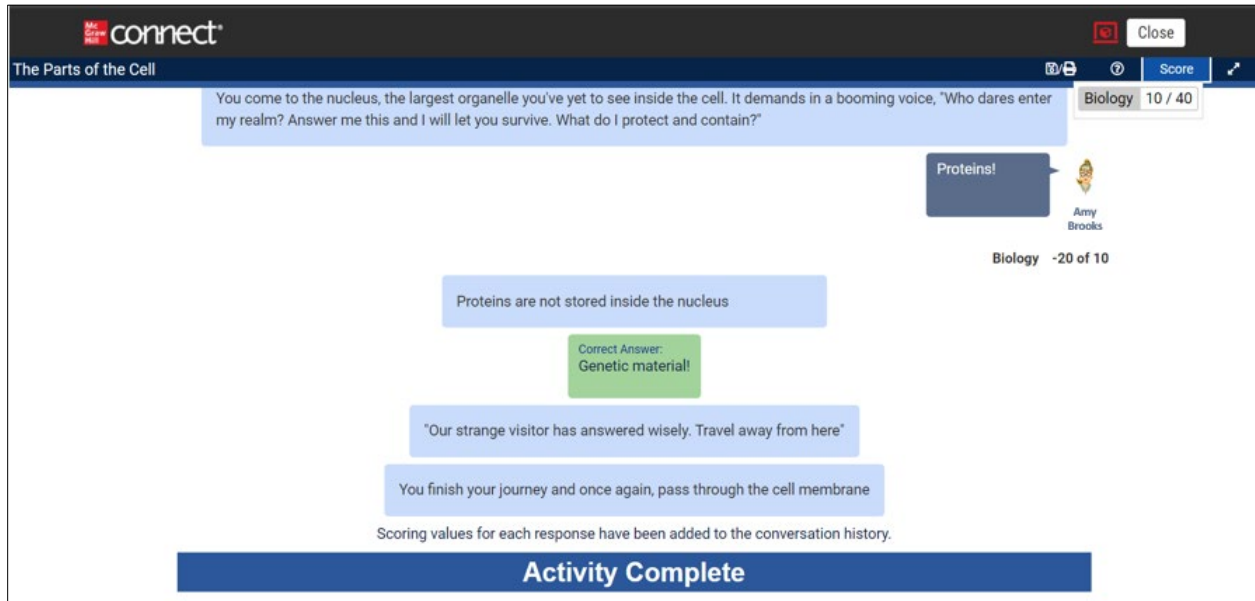
Filter By Name

[Export Score CSV](#)
[Export Details CSV](#)

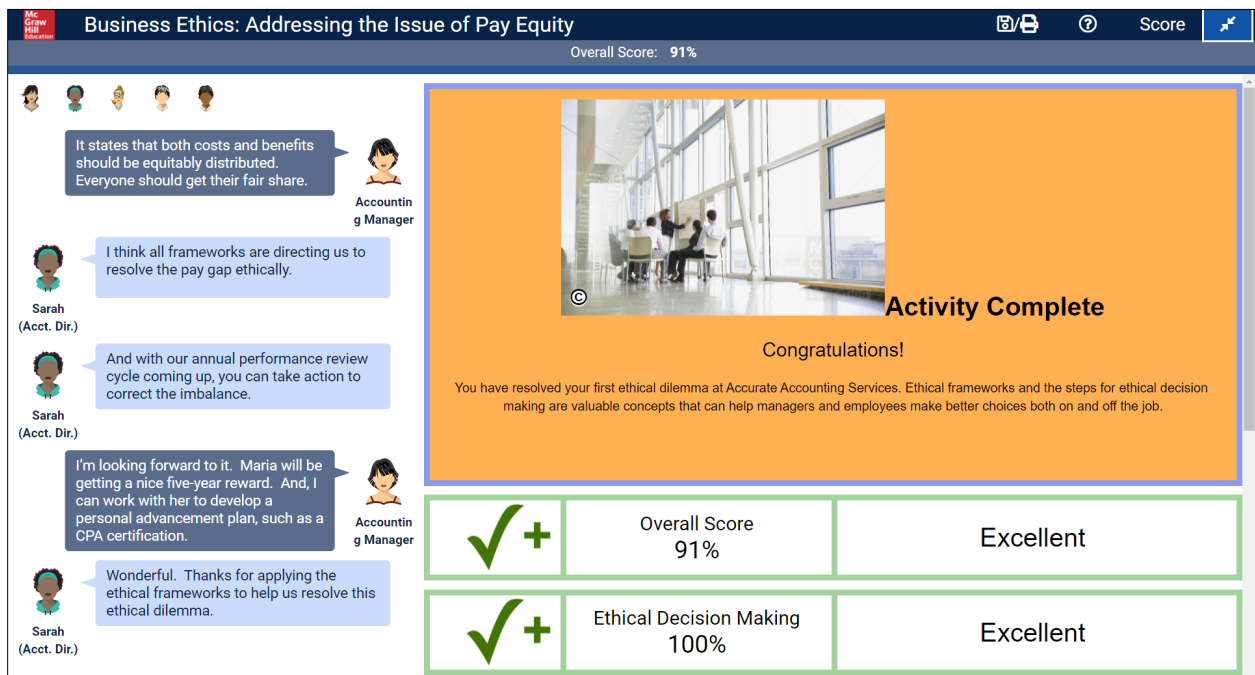
Student	Score	Time Played	Biology
<b>Amy Brooks</b>		0:01:26	
<a href="#">Attempt 1</a>	25%	0:01:26	
<b>Akilah Griffin</b>		0:02:02	
<a href="#">Attempt 1</a>	100%	0:02:02	
<b>Selina Lieu</b>		0:00:40	
<a href="#">Attempt 1</a>	25%	0:00:40	
<b>Larry Walsh</b>		0:51:13	
<a href="#">Attempt 1</a>	100%	0:51:13	



For the SmartChat or role-based activity type, you can view the student's entire attempt – including the responses they gave to each prompt and the points awarded or deducted.

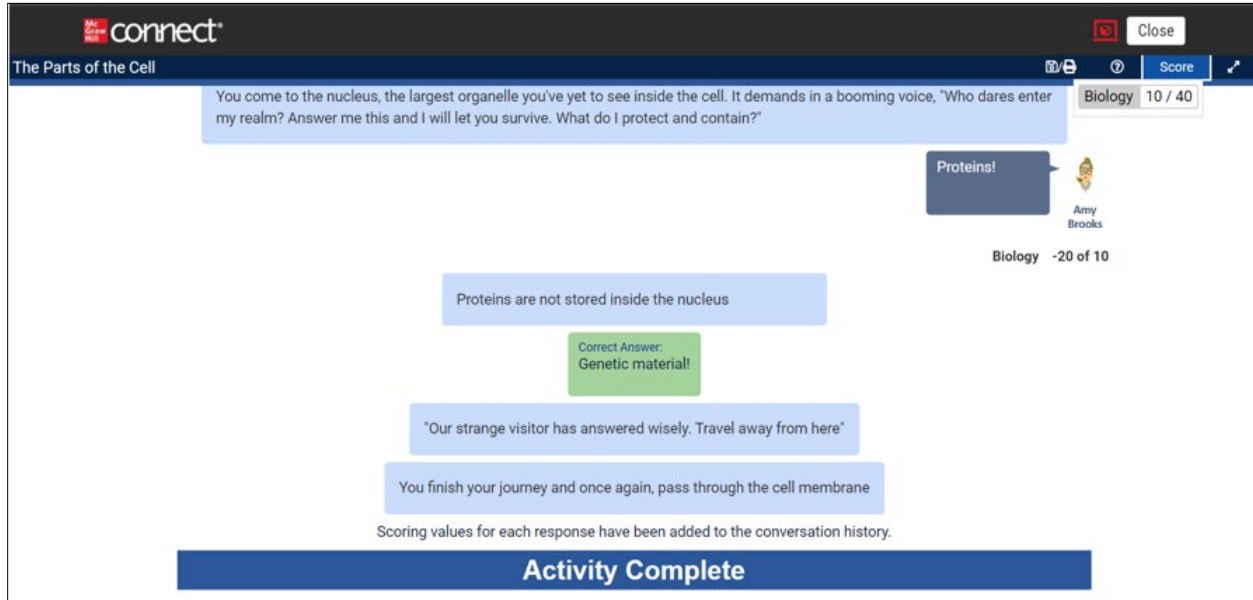


To navigate through the chat history, use the up and down arrows on your keyboard. To see a student's overall score, click on the **Score** button at the top right of the screen. Some activities may also include a summary feedback screen that displays the student's overall score and scores on each learning objective or category. In this case, you still have the same ability to navigate through the chat history to see the student's responses to the scenario prompts.

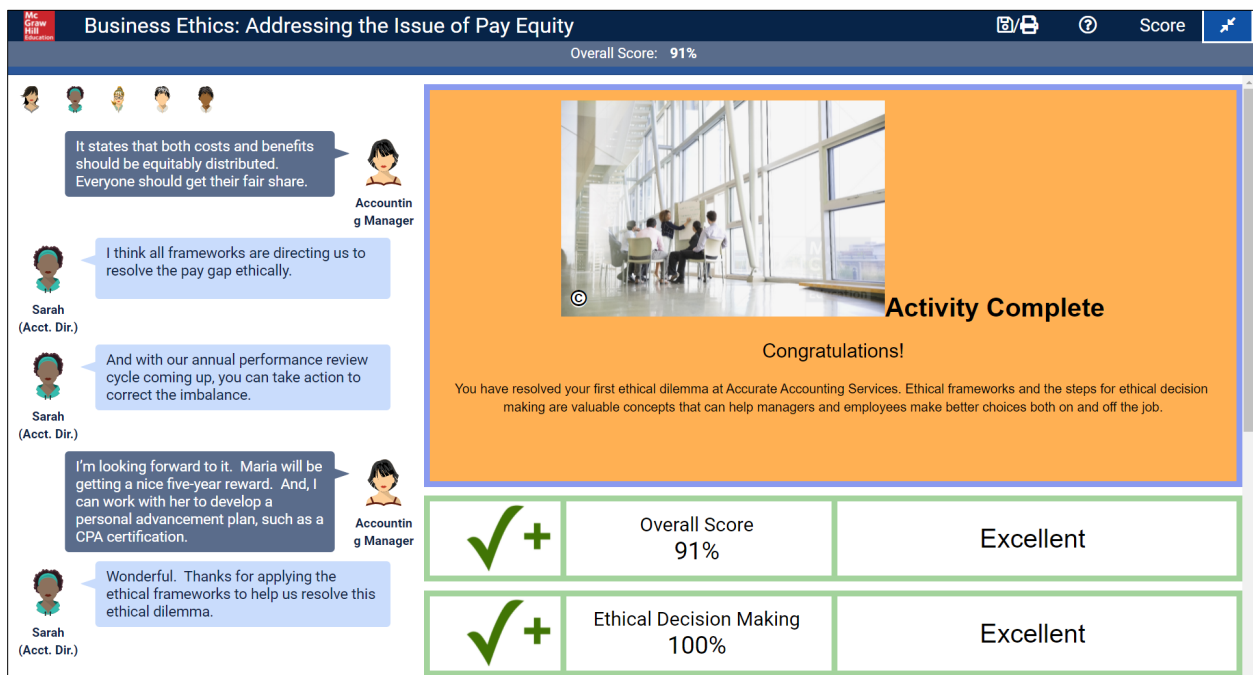


### Role-Playing/SmartChat ABAs Student View

After completing the activity, the student will be able to review the chat history to see their selected responses and where points were awarded or deducted. They can navigate the chat history using the up and down arrows on their keyboard.



Some activities may also include a summary feedback screen that displays their overall score and scores on each learning objective or category. In this case, they still have the same ability to navigate through the chat history to see their responses to the scenario prompts.



Once the assignment has been submitted, students can see their scores for the assignment by going to the **Results** tab on the left-hand menu. They can review their assignment feedback by clicking the **Review Attempt** button.

Attempt Report

Your Results

Attempt	Score	Time Played	Biology
Attempt 1	25%	0:00:40	

◀ Previous Review Attempt 1 ▶

### Self-Assessment/SmartForm ABAs: Instructor View:

The Assignment Summary Report shows the number of attempts (started and completed), time played, and overall score for all students in the section. The number inside the dial represents the total (for started and completed attempts) or the average (for time played, score, and completed/student). The dial represents the percentage of students who fall into each range, ex. 1 student took >20 minutes to complete the activity, 2 students took 15-20 minutes to complete the activity, etc. Place your cursor over the ? icon next to the metric name for more information.

▲ Up to course Print

#### Assignment Summary

Started ?

Completed ?

Time Played ?

Score ?

Completed/Student ?

#### Assignment Details

Activity: **Intrinsic/Extrinsic Motivation**

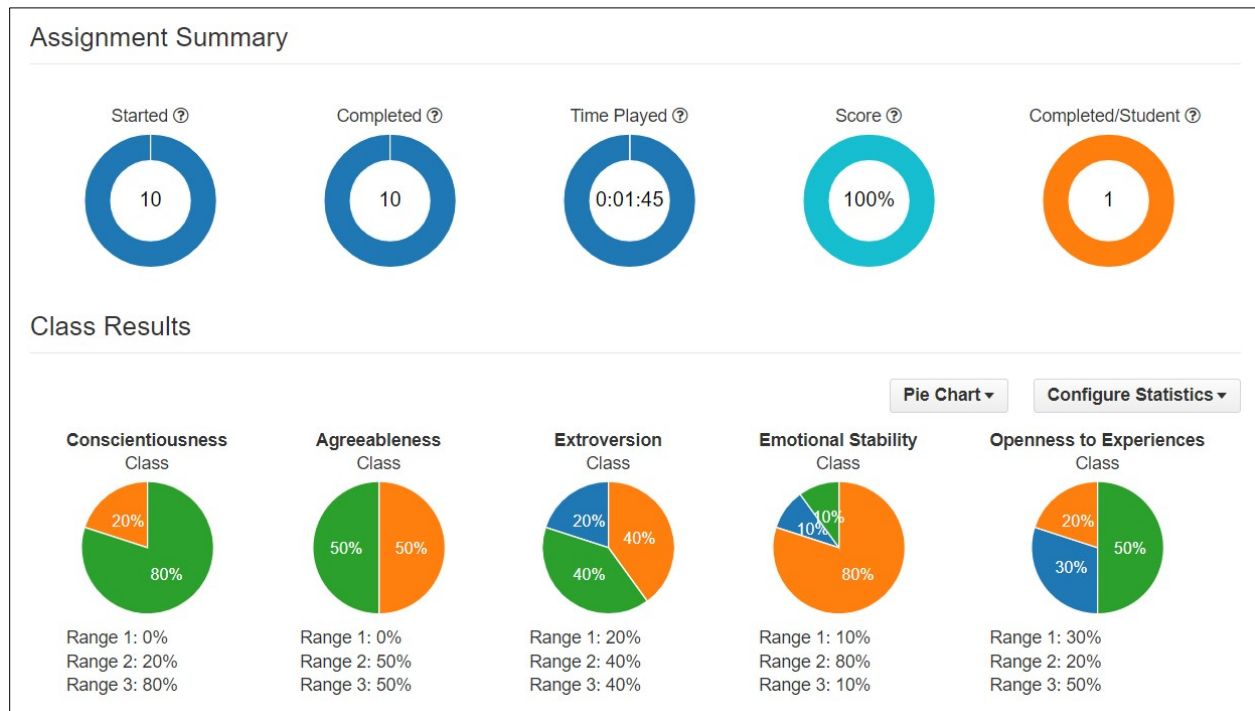
Filter By Name

Export Score CSV Export Details CSV

Student	Time Played	Intrinsic	Extrinsic
<b>Amy Brooks</b>	0:01:09		
Attempt 1	0:01:09	22 / 30	17 / 30
<b>Akilah Griffin</b>	0:01:00		
Attempt 1	0:01:00	17 / 30	19 / 30
<b>Selina Lieu</b>	0:02:34		
Attempt 1	0:02:34	29 / 30	26 / 30
<b>Larry Walsh</b>	0:02:29		
Attempt 1	0:02:29	19 / 30	26 / 30

The bottom section of the report shows student level performance on the activity, including time played and results for each learning objective or category. To see an individual student's attempt, click on the 'Attempt' text next below their name.

If at least 10 students elect to share their results, you will see an additional section on the report displaying the class results. This shows the percentage or number of students who fall into each range for each category. Choose between a pie chart and a bar chart, select number or percentage of students, and configure statistics like class mean, median, and mode.



If the student has elected to share the results of their activity, you will be able to view their responses to each question as well as any feedback they have received. Feedback may come in the form of a 1 to X point scale, percentage, categorization, etc., depending on the activity. Students may also be provided specific feedback based on their selections such as more detail on the categorization they received or information to review or help guide their learning.

In the image example below, students were assessed as high/medium/low for intrinsic and extrinsic motivation.

11. To me, success means doing better than other people.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12. I'm concerned about how other people are going to react to my ideas.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Intrinsic 6 to 12		Low intrinsic motivation
Intrinsic 12 to 24	Intrinsic 22	Medium Intrinsic motivation
Intrinsic 24 to 30		High intrinsic motivation
Extrinsic 6 to 12		Low extrinsic motivation
Extrinsic 12 to 24	Extrinsic 17	Medium extrinsic motivation
Extrinsic 24 to 30		High extrinsic motivation

In the example below students see how to interpret their score on each of the personality dimensions.


Survey: 5 Personality Dimensions

### Conscientiousness

Persons who score high on the Conscientiousness dimension tend to be dependable, responsible, achievement-oriented, and persistent.

Research shows that **highly conscientiousness people tend to be more successful** in all types of employment settings than their less conscientious co-workers.

It is easy to see why. *What employer wants to hire someone who sees themselves as lazy (item 3) or someone who does less than a thorough job (item 8)?*

Conscientiousness  101 to 100

8 to 10

It is likely that you are *Highly Conscientious*

While highly conscientiousness people tend to be more successful, it is important not to conflate conscientiousness with perfectionism, which can actually be counter-productive, since it often results in unrealistic expectations and goals.

And in this example below, students see how their lifestyle behaviors contribute or detract from cardiovascular health.

### Your Lifestyle

#### Your Results

Your score is the number of "yes" answers you selected. The more "yes" answers, the more your lifestyle promotes cardiovascular health.

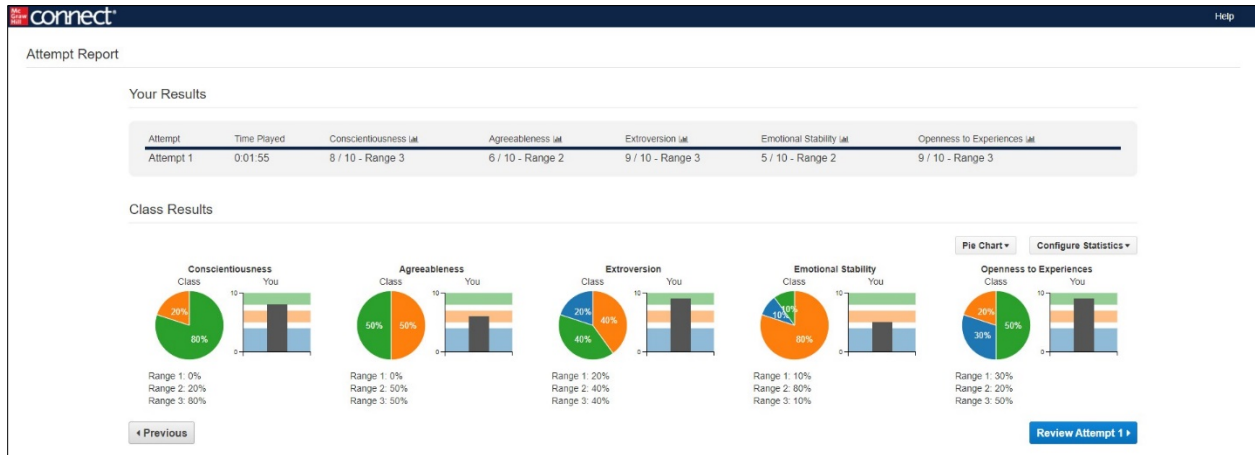
Lifestyle 8/12

Congratulations for your "yes" answers! These are areas where you have developed strong patterns to promote cardiovascular health. Pay attention to your "no" answers. These are areas you should address now to promote general cardiovascular health.

## Self-Assessment/SmartForm ABAs: Student View

After completing an activity, students will be able to view their responses to each question as well as any feedback they received. Feedback may come in the form of a 1- to 5-point scale, percentage, categorization, etc., depending on the activity. Students may also be provided specific feedback based on their selections, such as more detail on the categorization they received or information to review or help guide their learning. A student's individual responses will only be visible if they have elected to share their results when prompted with the privacy notice.

If at least 10 students elect to share their results, the student will see an additional section on the report displaying their results compared to the class results. This shows the percentage or number of students who fall into each range for each category. They also see how their score falls into the range for each category. They can choose between a pie chart and a bar chart, select number or percentage of students, and configure statistics like class mean, median, and mode.



In the example below, students were assessed as high/medium/low for intrinsic and extrinsic motivation.

11. To me, success means doing better than other people.	●	○	○	○	○
12. I'm concerned about how other people are going to react to my ideas.	○	●	○	○	○
Intrinsic 6 to 12	Intrinsic 22				Low intrinsic motivation
Intrinsic 12 to 24					Medium Intrinsic motivation
Intrinsic 24 to 30					High intrinsic motivation
Extrinsic 6 to 12	Extrinsic 17				Low extrinsic motivation
Extrinsic 12 to 24					Medium extrinsic motivation
Extrinsic 24 to 30					High extrinsic motivation

And in this example below, students see how to interpret their score on each of the personality dimensions.

Survey: 5 Personality Dimensions

## Conscientiousness

Persons who score high on the Conscientiousness dimension tend to be dependable, responsible, achievement-oriented, and persistent.

Research shows that **highly conscientiousness people tend to be more successful** in all types of employment settings than their less conscientious co-workers.  
It is easy to see why. *What employer wants to hire someone who sees themselves as lazy (item 3) or someone who does less than a thorough job (item 8)?*

Conscientiousness

101 to 100

8 to 10

It is likely that you are *Highly Conscientious*

While highly conscientiousness people tend to be more successful, it is important not to conflate conscientiousness with perfectionism, which can actually be counter-productive, since it often results in unrealistic expectations and goals.

Finally, in this example below, students see how their lifestyle behaviors contribute or detract from cardiovascular health.

Your Lifestyle

### Your Results

Lifestyle

8/12

Your score is the number of "yes" answers you selected. The more "yes" answers, the more your lifestyle promotes cardiovascular health.

Congratulations for your "yes" answers! These are areas where you have developed strong patterns to promote cardiovascular health. Pay attention to your "no" answers. These are areas you should address now to promote general cardiovascular health.

Once the assignment has been submitted a student can see their results for the assignment by going to the **Results** tab on the left-hand menu. They can review their assignment feedback by clicking the **Review Attempt** button.

Attempt Report

Your Results

Attempt	Time Played	Intrinsic <small>100%</small>	Extrinsic <small>100%</small>
Attempt 1	0:02:34	29 / 30 - High	26 / 30 - High

◀ Previous

Review Attempt 1 ▶




## Multimedia Case/SmartVideo ABAs: Instructor View

The Assignment Summary Report shows the number of attempts (started and completed), time played, and overall score for all students in the section. The number inside the dial represents the total (for started and completed attempts) or the average (for time played, score, and completed/student). The dial represents the percentage of students who fall into each range, i.e., 1 student took >20 minutes to complete the activity, 2 students took 15-20 minutes to complete the activity, etc. Place your cursor over the ? icon next to the metric name for more information.

The bottom section of the report shows student level performance on the activity including time played and results for each learning objective or category. To see an individual student's attempt, click on the **Attempt** text below their name.


### Assignment Summary

Started ?



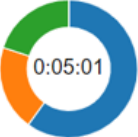
4

Completed ?



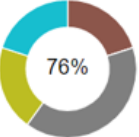
4

Time Played ?




0:05:01

Score ?



76%

Completed/Student ?



1

### Assignment Details





Activity: **The Liver - Anatomy and Function**

Filter By Name

Student	Score	Time Played	Describe the normal function of each body system <small>ⓘ</small>	Describe major organs in each body system <small>ⓘ</small>	Describe the anatomy of each body system <small>ⓘ</small>
<b>Amy Brooks</b>			0:02:25		
<a href="#">Attempt 1</a>	83%	0:02:25	71%	100%	100%
<b>Akilah Griffin</b>			0:02:22		
<a href="#">Attempt 1</a>	91%	0:02:22	85%	100%	100%
<b>Selina Lieu</b>			0:11:21		
<a href="#">Attempt 1</a>	57%	0:11:21	28%	100%	100%
<b>Larry Walsh</b>			0:08:58		
<a href="#">Attempt 1</a>	73%	0:02:49	71%	100%	0%
<a href="#">Attempt 2</a>	74%	0:06:09	57%	100%	100%







The activity feedback displays the student's overall score and scores on each of the learning objectives or categories. Depending on the activity, the student may also receive more detailed feedback based on their responses such as information to review.

	Overall Score 57%	Unsatisfactory Please refer to your score in the Objectives below and review those topics before trying the activity again.
	Describe the normal function of each body system 29%	Unsatisfactory It is important to understand the normal function of various body systems. Please review information in your text and repeat the video while paying careful attention to the information provided.
	Describe major organs in each body system 100%	Excellent
	Describe the anatomy of each body system 100%	Excellent

### Multimedia Case/SmartVideo: Student View

After completing an activity, the student is provided with feedback that displays their overall score and scores on each of the learning objectives or categories. Depending on the activity, they may also receive more detailed feedback based on their responses such as information to review.

	Overall Score 57%	Unsatisfactory Please refer to your score in the Objectives below and review those topics before trying the activity again.
	Describe the normal function of each body system 29%	Unsatisfactory It is important to understand the normal function of various body systems. Please review information in your text and repeat the video while paying careful attention to the information provided.
	Describe major organs in each body system 100%	Excellent
	Describe the anatomy of each body system 100%	Excellent

Once the assignment has been submitted a student can see their score for the assignment by going to the **Results** tab on the left-hand menu. They can review their assignment feedback by clicking the **Review Attempt** button.

Attempt Report			
Your Results			
Attempt	Score	Time Played	Describe the normal function of each body system   Describe major organs in each body system   Describe the anatomy of each body system
Attempt 1	57%	0:11:21	28%   100%   100%

[◀ Previous](#)
[Review Attempt 1 ▶](#)

ABAs are automatically graded when your students complete the assignment. You can track their progress by clicking on the assignment in your Connect course assignment list.

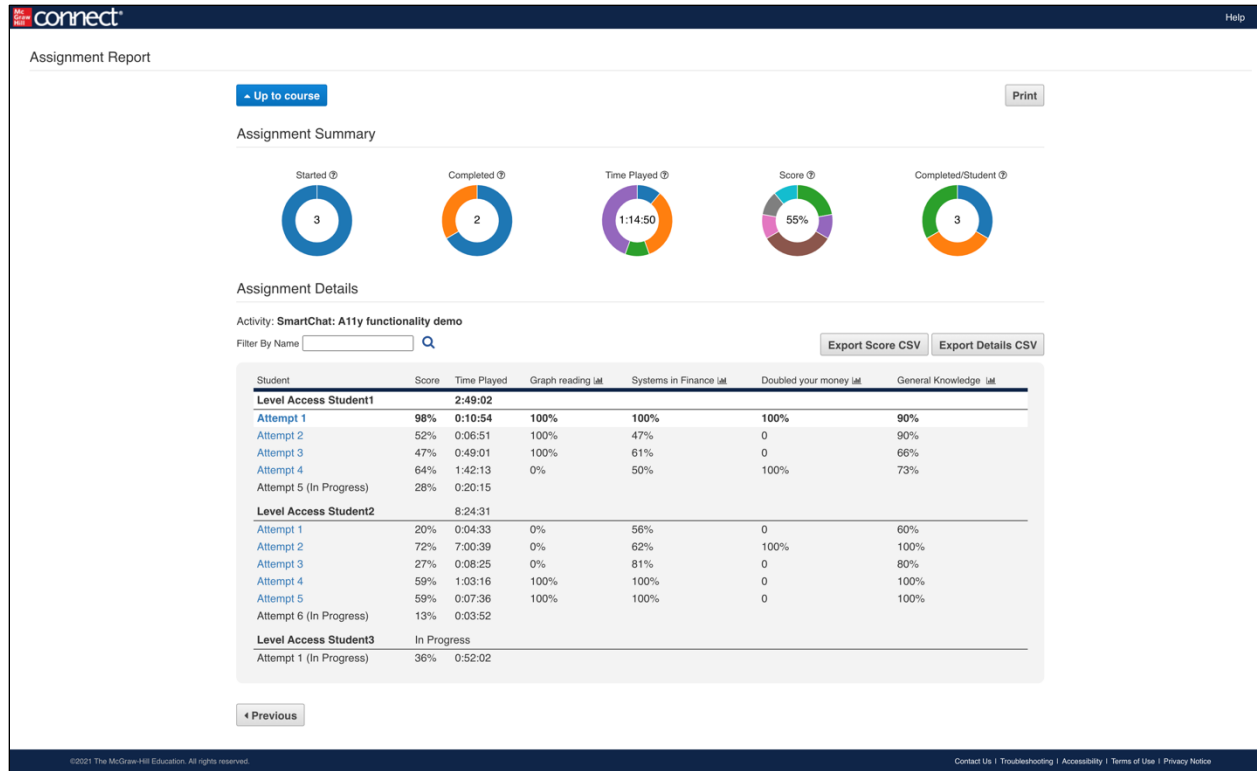
The screenshot shows the 'ABA Assignment' page. At the top, there is a 'home' button and the title 'Application-Based Activity'. Below that is the assignment name 'ABA Assignment' with a red icon. There are tabs for 'student activity' (selected) and 'Policy'. On the right, there are icons for 'share assignment', 'copy assignment', 'edit assignment', and 'manage extensions'. Under 'student progress', there is a progress bar with three segments: '4 students are in progress' (orange), '4 student(s) not started' (yellow), and '4 students have submitted' (black). A 'home' button is at the bottom left.

To see how students scored, go to the Performance menu on your Connect section page and choose **Assignment Results** from **Reports**, then **choose the ABA assignment** name or click on the **Filter by** dropdown to see only Application-Based Activity assignments. Click **View Report** at the bottom of the screen.

The screenshot shows the 'Assignment Results' configuration page. At the top, there is a 'Show:' dropdown set to 'Assignment Results'. Below that is a 'Hide options' link. The page is divided into three main sections: 'Section(s)', 'Assignment(s)', and 'More options'. 'Section(s)' has two checked items: 'Connect 101 (Your sections)' and 'Sales Training Module 1'. 'Assignment(s)' has a 'Filter by' dropdown and a list of assignments: 'SmartBook Assignment', 'Question Bank Assignment', 'ABA Assignment', 'Writing Assignment: Observational learning', and 'Question Bank: Quiz'. 'More options' includes 'Assignment attempt' (radio buttons for Best, Last, All, Average), 'Exclude attempts submitted after due date' (checked), 'Drop assignments with the lowest scores' (unchecked), 'Specify a report date range (optional)' (From and To date pickers), and 'Score style' (radio buttons for Points, Percents, Points & Percents). There is a '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.'

The report will show you the students' names and their individual scores on the ABA assignment.

You can also click on an individual student's score to access a report with a more detailed breakdown of the student's class scores and time played for the assignment.



Your students will also be able to see their scores as soon as the assignment is submitted.