SCIENCE

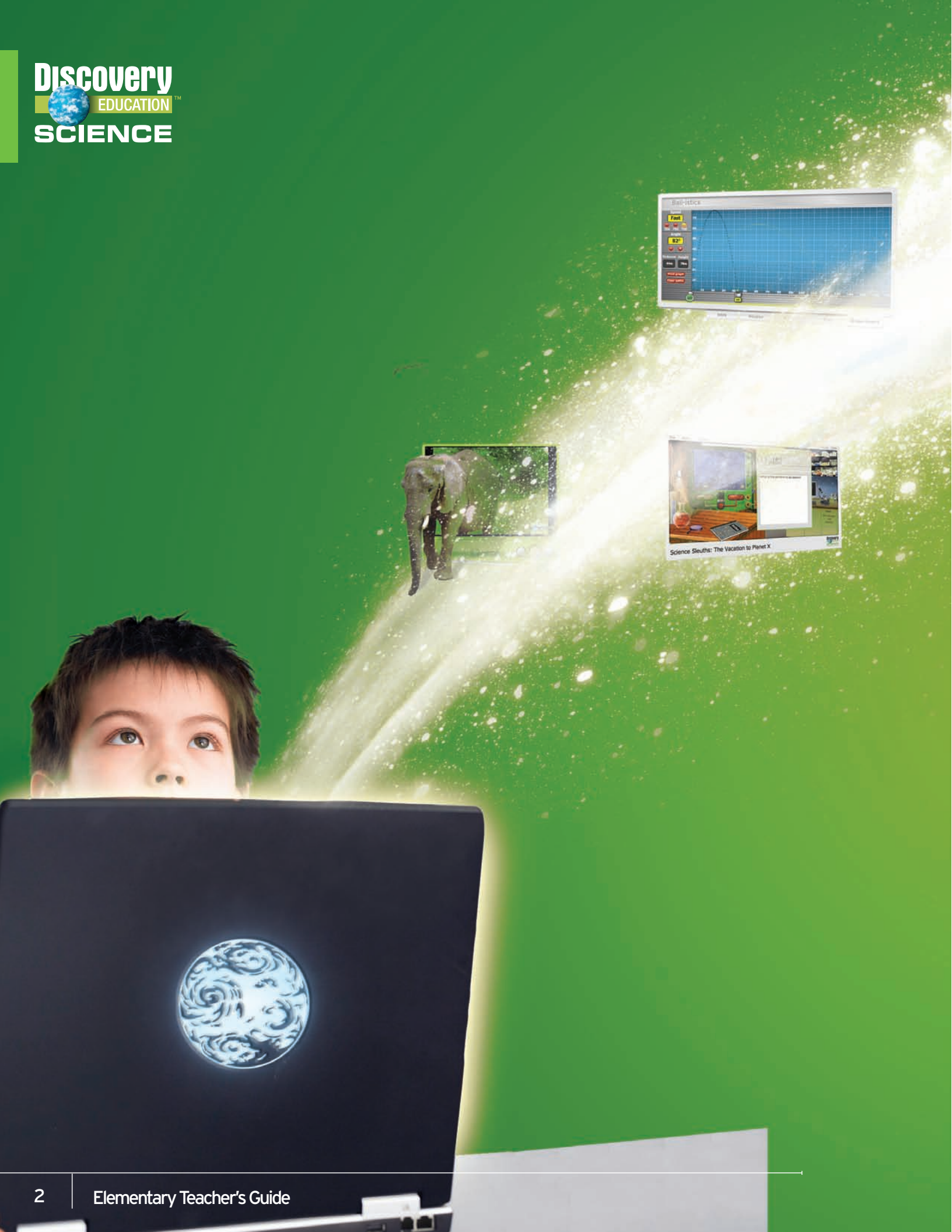
Discovery EDUCATION SCIENCE

# Discovery Education Science

## Teacher's Guide


Elementary

Discovery EDUCATION™ SCIENCE




# How Discovery Education Science **Works** Table of Contents

# GETTING STARTED
# Accessing Discovery Education Science

## New Users

1. Go to www.discoveryeducation.com.
2. Click the "Passcode/New User" tab on the left side of the screen.
3. Enter your eight-character school Passcode in the boxes provided and click "Login." A passcode allows new users to create and register a personal username and password for access to Discovery Education Science. Use your school Passcode to create an account. Thereafter, you no longer need the Passcode.
4. Once you enter the Passcode, you will be prompted to create your account.
   a. Fill in the required fields, which are indicated by an asterisk. You must also check the box to agree to the Terms of Use.
   b. Your username must be a minimum of six characters. Both the username and password may contain these characters only: letters, numbers, hyphen, and period.
5. Your confirmation will be e-mailed to you.



## Existing Users

1. Go to www.discoveryeducation.com.
2. Enter your username and password in the Subscriber Login area and click "Login."
3. Locate Discovery Education Science Elementary School in the light grey header.

Discovery Education online services use single-sign-on technology. That means you can use the same username and password for all Discovery Education services including DE *Streaming*, DE Science, DE Health, and more.

# BROWSING & VIEWING CONTENT

## Browsing for Content

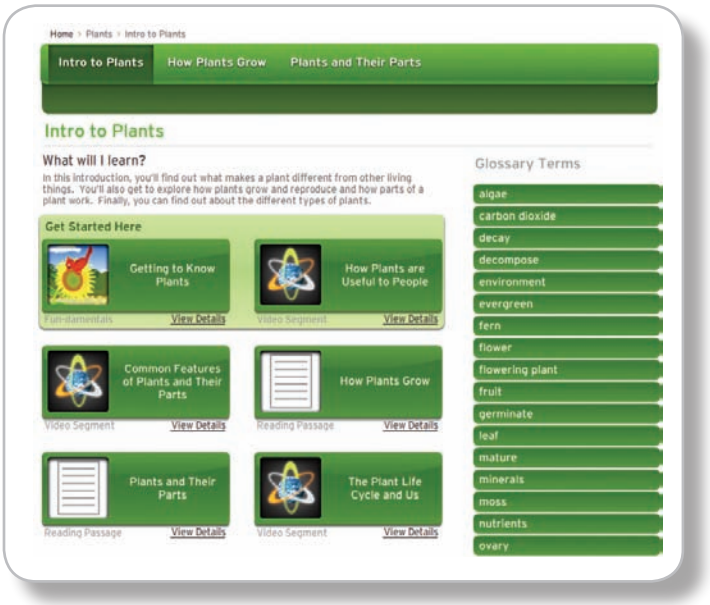
Discovery Education Science is organized by concept and topic area, to help you and your students quickly locate the science content you need. Digital media is collected in one place to save you time as you prepare your lessons and your students explore the site.

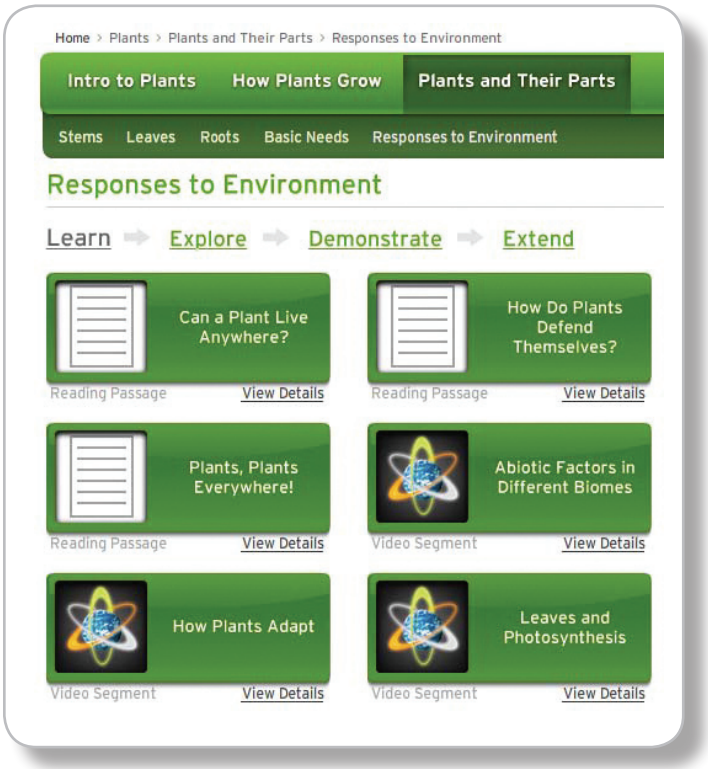
### Units, Topics & Concepts

Upon login, you will find three areas of science: Physical Science, Life Science, and Earth Science. Each area of science contains a list of units. Clicking a unit will open a page that displays topics related to the unit.

Clicking a topic will open a page with concepts.

Click a concept to view a list of media and glossary terms related to the concept.



# BROWSING & VIEWING CONTENT
# Pathways to Science Investigation

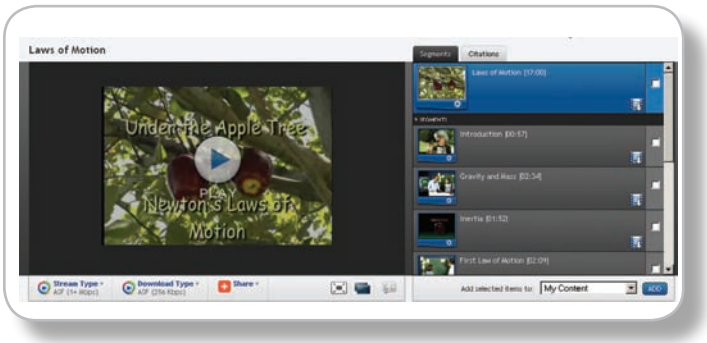
Discovery Education Science supports students' understanding of science inquiry by providing opportunities to observe and experience science. Concept pages provide pathways through the content, where students learn about a concept, explore it using interactive media, demonstrate their understanding by completing assessments and written constructed responses and extend their learning with additional media.

## Learn

Learn, Explore, Demonstrate, and Extend need to have a "Higher-level" treatment. They are a section header for the media types described.

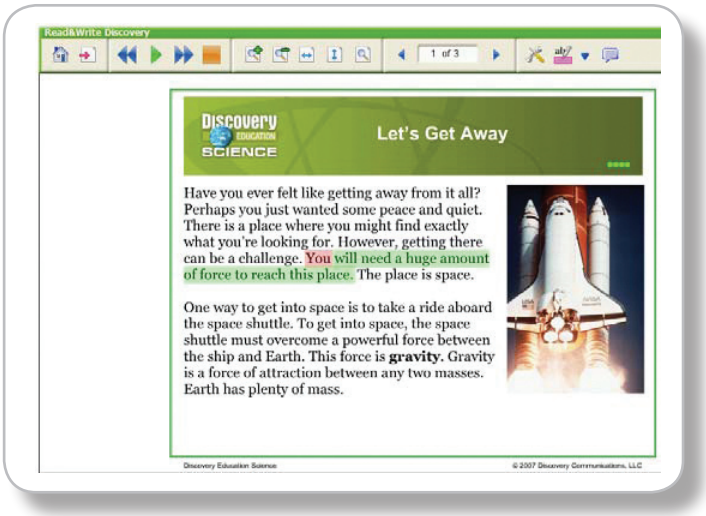
### Video Clips

Videos are divided into "chapters" or "segments" that illustrate specific concepts within each topic. Play videos in realtime or download them for later use. Easy to use content tabs provide quick access to the full video, video segments, citation information, and related materials. All videos have been aligned with state curriculum standards for all states.




### Reading Passages

Enrich your science curricula with leveled reading passages from Discovery Education's award-winning book series. Reading Passages in the Intro section are leveled for Grade 3. Elsewhere on the site, reading levels are indicated by green dots in the header (four dots relate to grade four, five dots to grade five).




### eBooks

Discovery Education Science's groundbreaking eBooks provide students leveled informational science text and reading passages specific to standard content areas. Audio support and highlighted text allows students to read along with the narrator and focus on vocabulary words. eBooks are also a great tool for struggling readers and students whose first language is not English to read and listen to science content.

### Interactive Glossary

Discovery Education Science's dynamic Interactive Glossary supports your students' varying learning styles through audio, text, animation, detailed still imagery and short video clips.

*Tip! Click the "View Details" link below each media type to read a short description of the concept, view curriculum standards and add the media asset to a folder in My Content.*

# Pathways to Science Investigation

## Explore

The Explore section provides exciting, interactive media including Explorations and Virtual Labs that allow students to practice and experience science in a simulated online environment.

### Virtual Labs

To understand the science process, students need practice with science investigation. Virtual Labs are designed to give students the opportunity to practice designing and conducting virtual investigations in preparation for designing and conducting their own hands-on investigations. Virtual Labs come in three parts:


**Introduction**

This part sets the stage for the investigation by presenting a real-world problem around which the investigation is based.

**Investigate**

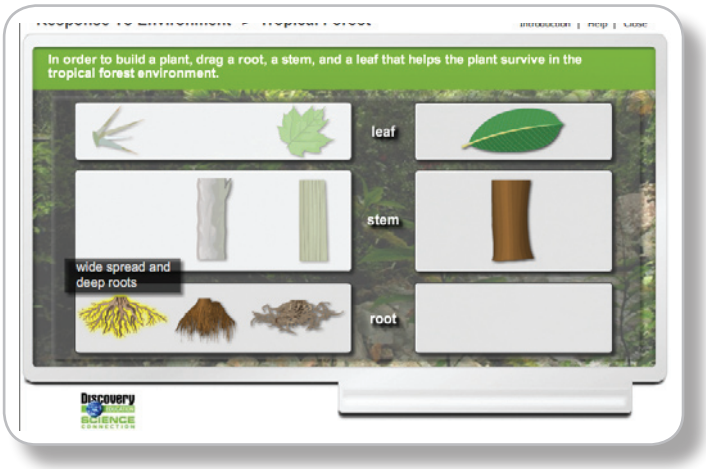
This tab allows students to select the lab level, sign in and begin conducting the investigation, one trial at a time. The first level offers a simple choice of choosing one variable to control. The second level complicates the investigation with multiple options or multiple test subjects to observe.

**Results**

This tab provides students with a record of the results of each trial in chart form. Students also are provided with a paper copy on which to record the data.

### Explorations

Use Explorations to activate prior knowledge or as a presentation tool to examine a specific concept. Students can make predictions about outcomes and then use the Exploration to test those predictions by manipulating inputs or selections. For example, in the Exploration "Flower to Flower," students make selections from a variety of roots, stems and leaves, to create a plant that will survive in a specific environment.




*Tip! Click the "View Details" link below each media type to read a short description of the concept, view curriculum standards, teacher guides and student guides, and add the media asset to a folder in My Content.*

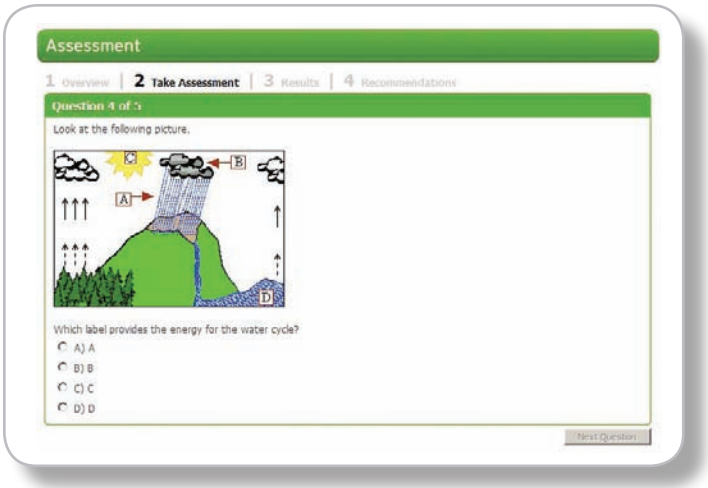
# Pathways to Science Investigation

## Demonstrate

Check for understanding with materials found in the Demonstrate section. Assign online assessments to your students or print and distribute Brief Constructed Response PDF files to the class.

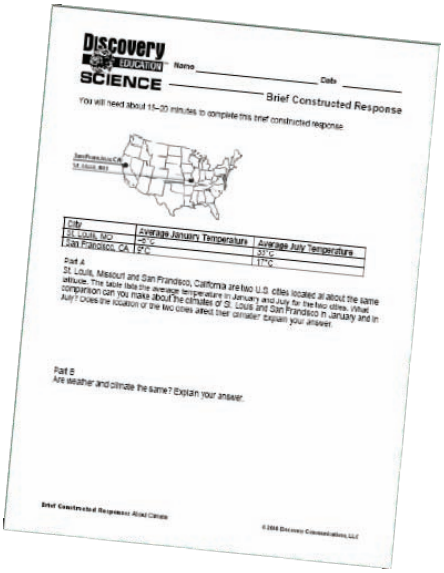
### Online Assessments

Online assessments pair formative assessment tools with dynamic content, giving you the ability to monitor your students' understanding of concepts. Pre-made assessments save time and are aligned with state curriculum standards in all states. Students can view the results immediately after they finish the assessment. Based on the assessment results, Discovery Education Science's built-in remediation tool recommends additional media that reinforces the understanding of concepts.




### Brief Constructed Responses

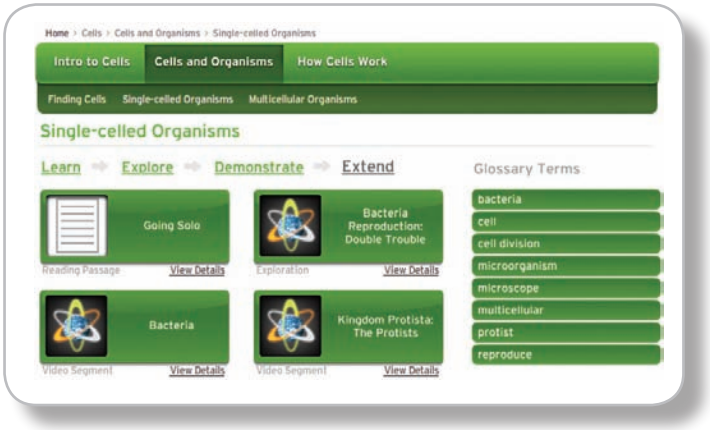
Use Brief Constructed Responses to assess students' understanding of science concepts. Easily downloadable PDF files can be printed and distributed to the class. A helpful teacher guide and scoring tool accompanies each Brief Constructed Response.



# Pathways to Science Investigation

## Extend

Students can extend their learning by accessing a variety of interactive media including explorations, video clips and reading passages found in the Extend section.





### More Search Options

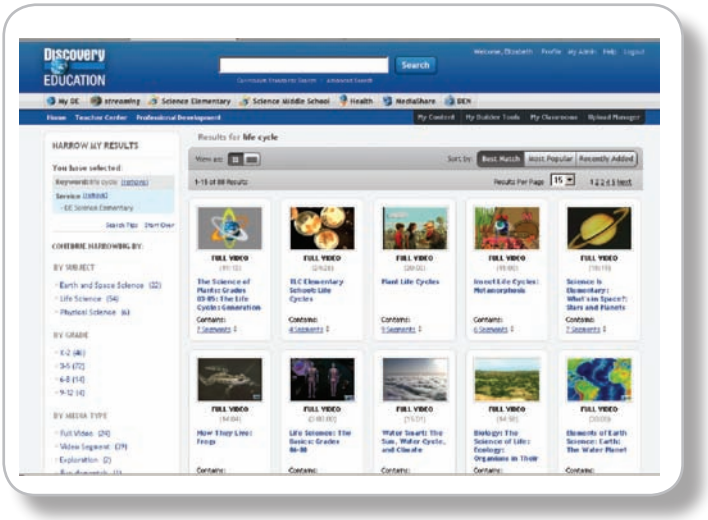
When you click in the search field, you are given more options to refine your search. Quick access pull-down menus allow you to limit your search by service, content, or grade level. These additional filers are optional when performing a search.

# BROWSING & VIEWING CONTENT
# Search Tools

Effective search tools and dynamic browsing capability enable you to quickly locate a variety of media assets and refine your search results by subject, grade, media type, and more.

## Keyword Search

Use the Keyword Search to conduct targeted searches for specific media types such as: video segments, images, articles and clip art. The search results will return video titles and descriptions that contain the keyword you entered. The power of Boolean Query allows you to include and exclude words or phrases—for example: revolution NOT industrial. If you use quotation marks to search for a phrase—for example, —you will constrain your search to media that includes the entire phrase in the title or description.

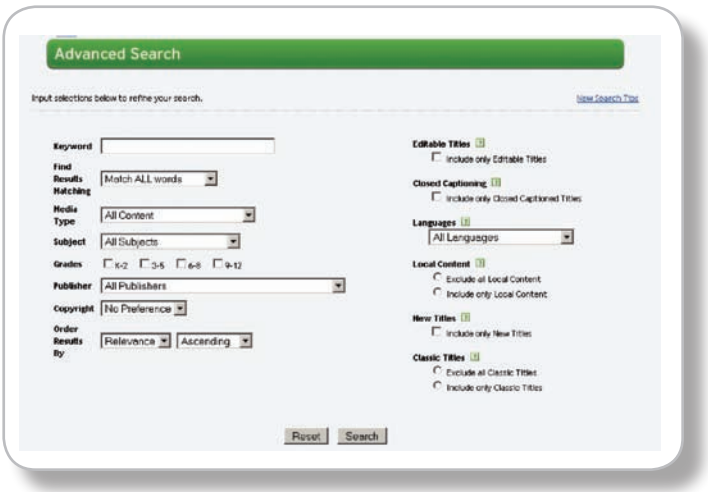



## More Search Options

When you click in the search field, you are given more options to refine your search. Quick access pull down menus allow you to limit your search by service, content, or grade level. These additional filers are optional when performing a search.

## Advanced Search

The Advanced Search keyword option supports more powerful searching capabilities that allow you to focus on a specific media publisher or limit your search to include only Editable, Closed Captioned, World Language or New Titles. You can also choose to exclude Classic titles from your search results.




## Search Filters

After search results are displayed, you can narrow your results by using the search filters located in the left navigation. These filters include, subject, grade, media type, video detail, materials, media pack, service, and source. To remove a filter once selected, simply click Remove in the "You have selected:" box at the top of the column.

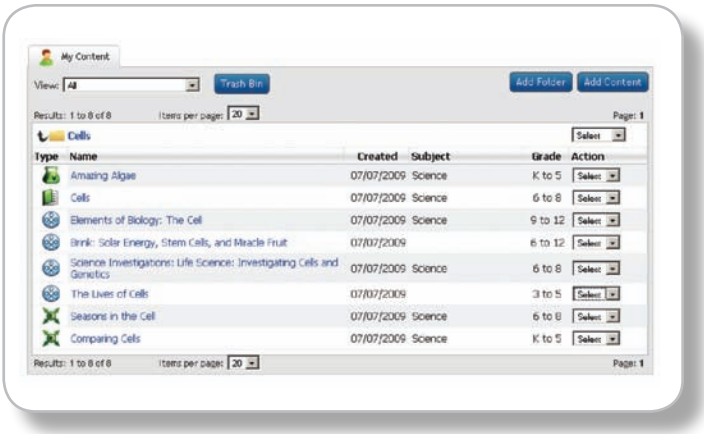
# My Content

This dynamic feature allows you to collect, organize, retrieve, and assign your favorite Discovery Education Science media resources in one convenient place. Located in the dark grey navigation bar near the top of the screen, "My Content" is accessible from anywhere on the site.

## My Content

You can add Discovery Education Science content to folders you create in My Content. Stay organized by creating sub-folders within main folders to create hierarchies within content areas. Adding resources to My Content does not initiate a playing or downloading procedure. The purpose of My Content is to bookmark the resource to avoid searching for it again. All files and projects added to My Content are stored on Discovery Education servers.

The Trash Bin holds your deleted content. In the case that you accidentally delete content, you will be able to click on the Trash Bin button and restore that content to the appropriate folder.



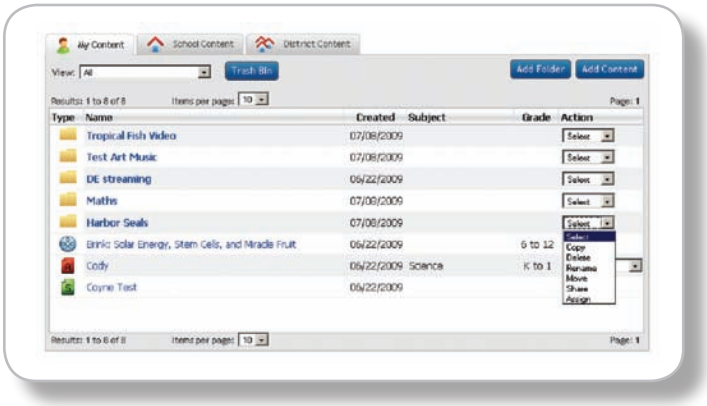


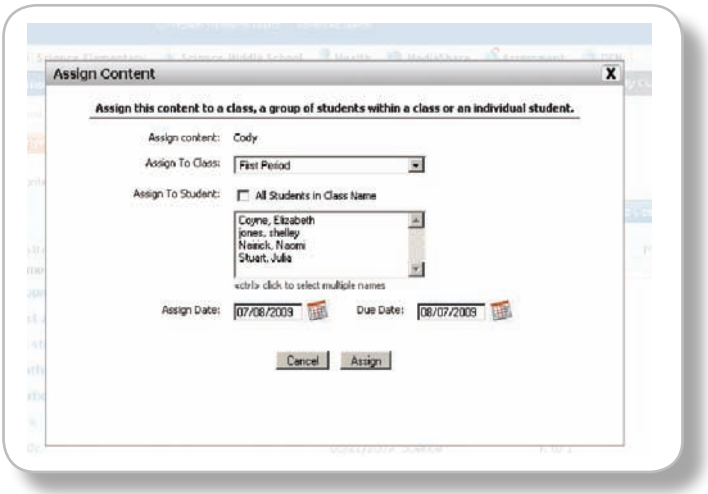
## Add a Media Resource to My Content

1. Locate a resource that you wish to add to My Content.
2. Click the link "View Details"
3. Click the link "Add to My Content"
4. A pop-up window will open. You may add the resource to the "My Content" default folder, select a folder or add it to a new folder.
5. If you select "Add to New Folder," follow the prompts and enter a folder name and select a folder location. My Content allows you to create folders within folders.
6. Click the "Add" button and the window will display a confirmation message, telling you that your content has been added to My Content.
7. Click the link "Close Window."
8. Access your content any time by clicking the "My Content" link on the navigation bar at the top of the screen and then navigate to the correct folder.

# MY CONTENT
# My Classes

Put the flexibility of My Content to work for you. Once you have added media resources to My Content, you can use the pull down menu to copy, move, edit, preview and delete them at any time. You can also sort your resources by type, name, creation date, subject, or grade by clicking on the column header.




## Assign a Media Resource to a Classroom or Individual Student(s)

1. Locate the resource you wish to assign in My Content.
2. Click the Action pull-down menu and select "Assign." A popup window will open.
3. Select a Classroom. Assign the resource to the entire Classroom, or click the "Assign to Student" pull-down menu and select an individual student.
4. Enter the Assign Date and Due Date and then click "Assign." The window will display a confirmation message, telling you that the media has been assigned.
5. Click the link "close window."

# Teacher Center

## Teacher Center

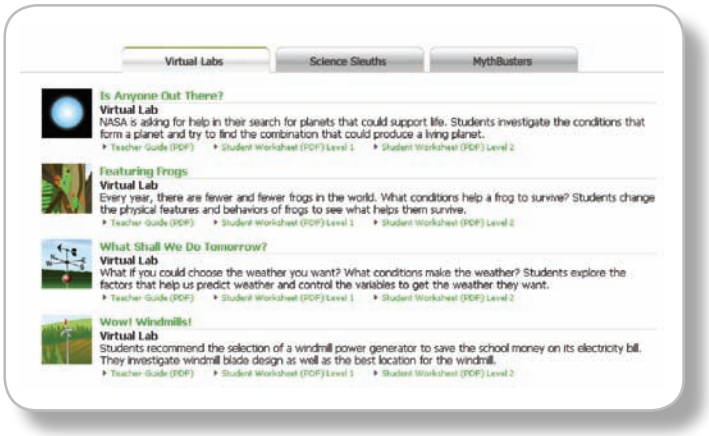
Located in the blue bar at the top of the page, the Teacher Center provides you with quality curriculum resources and access to additional educational information.

## Process Skills Library

Discovery Education Science supports students' understanding of science inquiry by providing opportunities to observe and experience science investigation. A variety of media in the Process Skills Library addresses the critical thinking skills students must acquire in order to successfully engage in scientific methodology. Each of these experiences is connected to specific Discovery Education Science concepts and can also be accessed when browsing for content.

## Featured Library Services

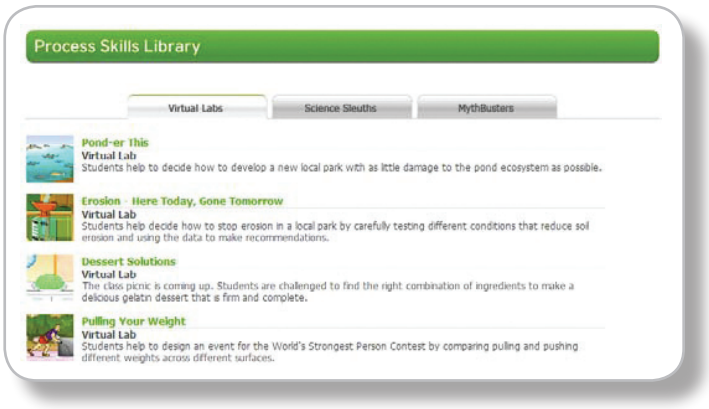
Find Video Clips from some of your favorite Discovery Series in the Featured Library Services area. Content includes clips from Planet Earth, Jeff Corwin Experience, and Backyard Habititat.




# TEACHER CENTER
# Process Skills Library

## Process Skills Library

Access the Process Skills Library by clicking the Teacher Center link in the green navigation bar at the top of the screen. From there, select the Science Elementary tab.

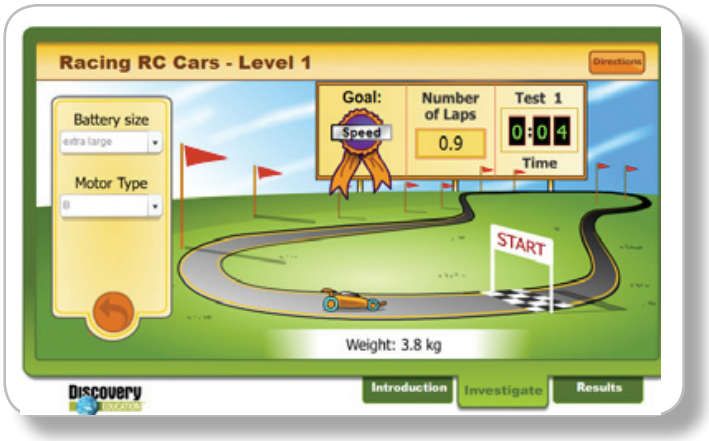



MythBusters episodes from the Discovery Channel's popular television series have been carefully selected and edited for elementary school audiences and illustrate the adventure and the careful use of the science process to prove a science myth, or bust it! Students are provided with observation sheets and teachers receive a guide that enables them to look for good scientific inquiry skills being used by MythBusters hosts Jamie and Adam.

Science Sleuths, an updated web version of Video Discovery's popular CD-ROM and video-disc series, engages students in realworld challenges in which they become science detectives. Students are presented with a science mystery or possible crime and use articles, interviews, investigations, and video presentations to gather the information they need to solve the problem. Students take notes and collect data as they progress, and present their findings to the Science Sleuth hostess when they are done.

Virtual Labs are designed to give students the opportunity to practice designing and conducting virtual investigations in preparation for designing and conducting their own hands-on investigations. Virtual Labs come in three parts:

**Introduction**
This part sets the stage for the investigation by presenting a real world problem around which the investigation is based.




**Investigate**
This tab allows students to select the lab level, sign in and begin conducting the investigation, one trial at a time. The first level offers a simple choice of choosing one variable to control. The second level complicates the investigation with multiple options or multiple test subjects to observe.

**Results**
This tab provides students with a record of the results of each trial in chart form. Students also are provided with a paper copy on which to record the data.

# Classroom Manager

## Classroom Manager: Manage Classroom


**Step 1: Create a Classroom**

The Classroom Manager is located in My Classrooms. To begin, click the button "Create a Classroom." Follow the prompts to add a class name, start date and end date and then click the "Save/Continue" button.

**Step 2: Add Students to Your Classroom**

Your school or district may have previously entered students into the Discovery Education Science system. These names will appear in the Current School Roster list on the left side of the screen. To add students from the Current School Roster list, simply select a student name and click the right arrow. The student's name will appear in the box on the right side of the screen, indicating that student is now in your Classroom. To remove the student from your Classroom, select the student and click the left arrow.

You can also create new students by clicking "Add a Student" and completing the fields in the popup window. Click the "Submit" button when you have entered all of the required fields.

## Classroom Manager: Manage Content

Begin by locating your classroom within the Classroom Manager. Under Actions, select "View Assignments/ Results".

This page displays the content you have currently assigned to the Classroom and to individual students. Here you can edit the assigned date and due date of content you have already assigned, delete assigned content and add new content.

To manage content assigned to individual students, click the pull down menu in the top right corner and select a student. The window will refresh and display the content assigned to that student.

# MY BUILDER TOOLS
# Science Assessment Manager

## Create a State Standards Based Assessment

Access the Assessment Manager from anywhere on the site by clicking the My Builder Tools link in the dark grey navigation bar near the top of the screen. You can create a standards-based assessment in five easy steps. To begin, click the link "Create an assessment using state standards" located in the Create section.

**Step 1: General Information**
Start by providing information about your assessment that your students will see in the form provided. The Assessment Name and Instructions are required fields. Select where to save the assessment. You may save to an existing folder or add it to a new folder. You can also include notes to help you remember specifics about the assessment. Once complete, select "Save and Continue".

**Step 2: Select Standards**
Discovery Education Science gives you the ability to select your state standards at the most granular level. Use the pull down menu to select the documents you wish to view. The screen will continue to refresh as you select the grade and copyright date. Once the standards are displayed, click the icon to drill down and view the sub standards. Check the box next to the standard(s) you wish to select. You may select one or multiple standards. To advance to Step 3, scroll to the bottom of the screen and click the "Save and Continue" button.

**Step 3. Select Questions**
Based on the standards you selected, the Assessment Manager will provide a list of all the assessment items in the Discovery Education Science Item Bank that are aligned to those standards. You can select as many of these questions as you wish. To advance to Step 4, scroll to the bottom of the screen and click the "Save and Continue" button.

**Step 4: Preview**
The Preview feature allows you to see what your quiz looks like in its final form. The correct answer will be indicated below each question. To advance to Step 5, scroll to the bottom of the screen and click the button "Save and Continue".

**Step 5: Assign**
You can assign your assessment to multiple classes, a single class, groups of students or an individual student. Choose the start and end date for the assessment by clicking the pull down menus. Click the "Assign" button at the bottom of the screen to assign the assessment. A message will appear, confirming the assessment has been assigned. Once the assessment is assigned, you can access it in the Create section of the Assessment Manager or in the folder to which you saved it in My Content. Students will access assessments via Discovery Education Student Center.

# MY BUILDER TOOLS
# Science Assessment Manager

## Create a Custom Assessment

Access the Assessment Manager from anywhere on the site by clicking the My Builder Tools link in the dark grey toolbar at the top of the screen. You can create a custom assessment in five easy steps. To begin, click the link "Create a new custom assessment" located in the Create section.

**Step 1: General Information**
Start by providing information about your assessment that your students will see in the form provided. The Assessment Name and Instructions are required fields. Select where to save the assessment. You may save to an existing folder or add it to a new folder. You can also include notes to help you remember specifics about the assessment. Once complete, select "Save and Continue".

**Step 2: Select Media**
In this step, you have the ability to select resources to be used as instructional recommendations for the questions that you create. Students will access these resources if they answer a question incorrectly.

To begin, enter a keyword, select a media type and then click the "Search" button. Scroll down the page to review a list of search results. Click the "Add to My Assessment" box next to the resource(s) you wish to include and then click the button "Add". The screen will refresh and you will see a list of the recommended materials you have selected. To advance to Step 3, click the button "Save and Continue".

**Step 3: Add Questions**
The Assessment Manager allows you to write original questions or draw from thousands of pre-created questions in the Item Bank.

**Add a Custom Question**
Begin by selecting a format, either single-answer or multiple answer and then type the question in the space provided. You may choose from the list of recommended materials that you selected in Step 2 by checking the appropriate box. These materials will be recommended when students answer this particular question incorrectly. Next, enter the answer choices. Make sure to check the box next to the correct answer. You may also provide an explanation to support any misconceptions for this question. To complete this question, click the button "Add Questions to Assessment."

Add Questions from the Discovery Education Science Item Bank Begin by entering a keyword or series of words and then click "Go." A list of questions that support your keyword will be displayed. Click a box to select a question and then click the button "Add Questions To Assessment." Remove questions at any time, by clicking the "Remove" button. Click the button "Save and Continue" to advance to Step 4.

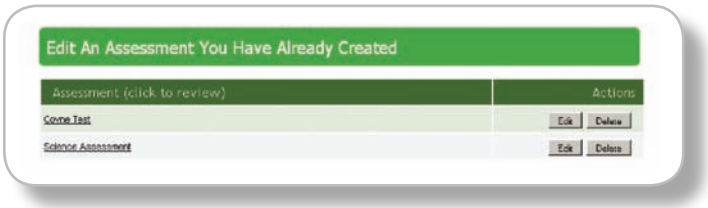
**Step 4: Preview**
The Preview feature allows you to see what your quiz looks like in its final form. The correct answer will be indicated below each question. To advance to Step 5, scroll to the bottom of the screen and click the button "Save and Continue".

**Step 5: Assign**
You can assign your assessment to multiple classes, a single class, groups of students or an individual student. Choose the start and end date for the assessment by clicking the pull down menus. Click the "Assign" button at the bottom of the screen to assign the assessment. A message will appear, confirming the assessment has been assigned. Once the assessment is assigned, you can access it in the Create section of the Assessment Manager or in the folder to which you saved it in My Content. Students will access assessments via Discovery Education Student Center.

# MY BUILDER TOOLS
# Science Assessment Manager

## Edit an Assessment You've Already Created

You can access any of the assessments you have created by clicking the "Edit an assessment you have already created" link located in the Create section of the Assessment Manager. The Assessment Manager will return a list of all the assessments you have created to date. You can preview your assessments by clicking on the assessment name or you can edit an assessment by clicking the "Edit" button on the right side of the screen.




When you click the "Edit" button, you will see Step One of the assessment creation process and you will have access to all stages in the process. You have the ability to change all of the initial elements that you created and add or remove questions and state standards. You can also assign the assessment to a single class, group of classes, group of students or even an individual student. Click directly on any of the steps in the process chain to jump to a specific step, or make changes for each step and then click the "Save and Continue" button at the bottom of the screen.

You may also access your assessments by clicking the "My Content" link at the top of the screen and navigating to the folder to which you saved the assessment. Preview your assessment by clicking on the assessment name. Use the Action pull down menu to edit, copy, move, assign, or delete the assessment.

## Assign a Previously-Created Assessment to Students

You can assign any of the assessments you have previously created by clicking the "Assign an assessment you created" link located in the Assign section of the Assessment Manager.

The Assessment Manager will return a list of all the assessments you have created to date. To preview an assessment, click the assessment name. You can also reassign an assessment to multiple classes, a single class, groups of students or an individual student. Simply click the "Reassign" button and you will see Step 5 of the assessment creation process.

## Assign a DE Science Assessment to Students

The Assessment Manager contains an extensive databank of precreated assessments that support Discovery Education Science content at both the Topic and Concept levels. This provides you with significant flexibility to measure student understanding and identify learning gaps.

To begin, click the "Assign a Discovery Education Science assessment" link located in the Assign section of the Assessment Manager. Select to view by Topic or Concept and either Middle School or Elementary and click Search. The Assessment Manager will return a list of assessments. Click an assessment name to view the available questions for this concept or topic. Discovery Education Science will select a subset of these questions on a random basis, so each student who takes the assessment will see different questions. This allows your students to take the assessment more than once without seeing the same questions repeatedly.

Next, click the "Assign" button. You can assign an assessment to multiple classes, a single class, groups of students or an individual student. A message will appear, confirming the assessment has been assigned. Students will access assessments via Discovery Education Science Student Center.

# MY BUILDER TOOLS
# Science Assessment Manager

## View Assessment Results

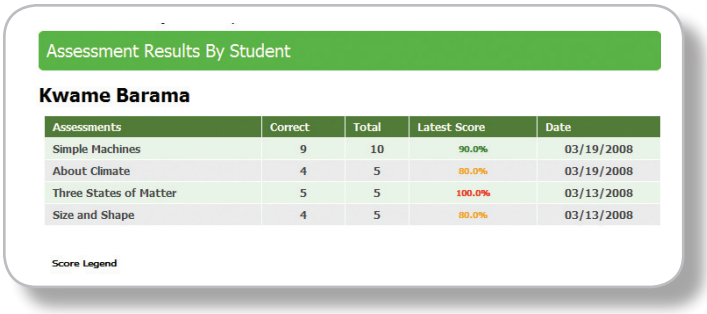
The Assessment Manager helps you measure progress by providing detailed assessment results by individual student or by class. You can use Assessment Manager's reporting functions to determine what students know and identify learning gaps. Based on assessment results, you can assign additional Discovery Education Science content for students to review. Students access recommended content through Discovery Education Student Center.

## View Results by Student

When you view assessment results by student, you have the ability to see how a student has performed across multiple assessments or you can view detailed results for a single assessment.

1. Click the link "View results by student" in the Report & Recommend section of the Assessment Manager. A list of your class periods will appear.
2. Select a class period to view a list of students.
3. Select an individual student. Discovery Education Science will display a list of all the assessments the student has completed to date, along with their latest level of proficiency.

*NOTE: Students may take an assessment multiple times. Discovery Education Science will display their latest score as the current proficiency level.*



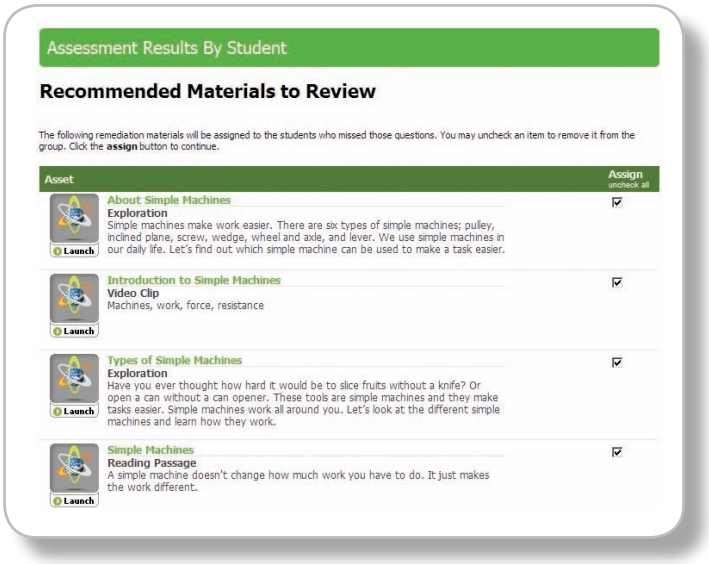

4. Review individual assessment details by clicking on an assessment score in the "Latest Score" column. DE Science provides the following information on the Results page:

Total Score on the Assessment:

- Total number of questions
- Total number of correct questions

Detailed Score by Concept:

- Concepts addressed within the assessment
- Total number of questions
- Total number of correct questions




5. Review individual assessment question results by clicking the "Review" link. This provides more specific information, so you can see how the student performed on each assessment question.

# MY BUILDER TOOLS
# Science Assessment Manager

## View Class Progress on an Assessment

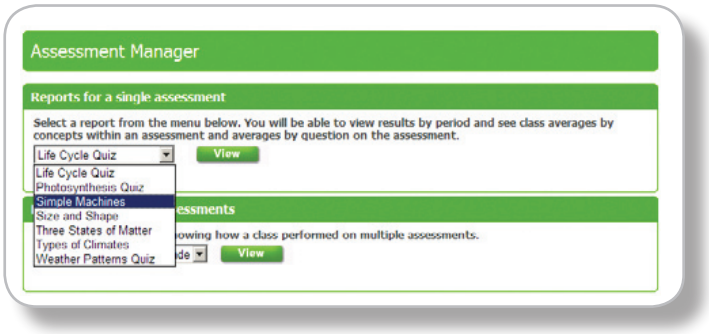
The Assessment Manager helps you determine how your class is performing on a given assessment and provides the tools you need to determine what students know and identify learning gaps. Based on assessment results, you can assign additional content for students to review. Students access the recommended content through the Student Center.

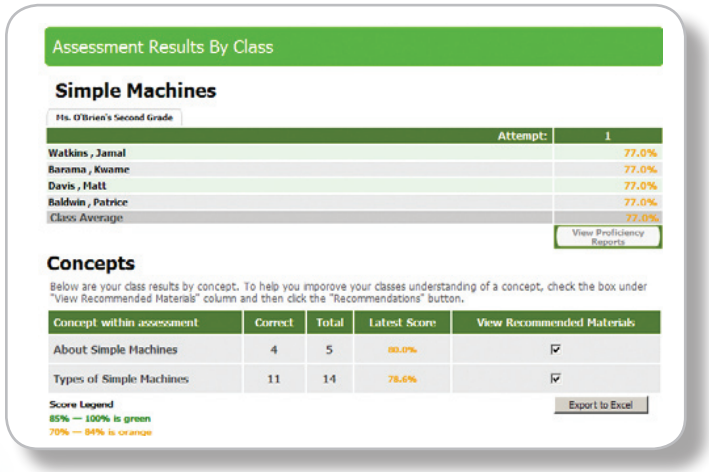
## View a Report on a Single Assessment

1. Begin by clicking the link "View results by class" located in the Report and Recommend section of the Assessment Manager.

2. Select the assessment that you wish to view from the pull down menu within "Reports on a single assessment" and click the "View" button.

3. The Assessment Manager will display the assessment results by student. You can view information on individual students across multiple assessments, information on student results for an individual assessment, or you can examine class performance on an assessment.




# MY BUILDER TOOLS
# Science Assessment Manager

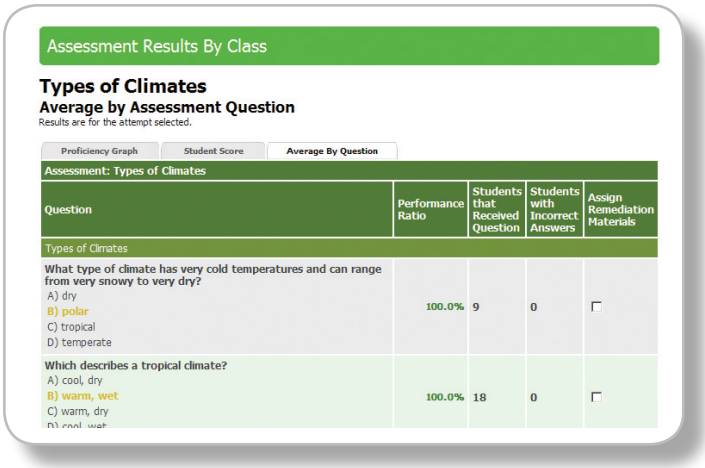
## View Class Performance Reports

The Assessment Manager provides three Class Performance Reports to help you determine class understanding on a given assessment. This enables you to identify learning gaps and modify your instruction accordingly.

1. Begin by clicking on the link "View results by class" located in the Report and Recommend section of the Assessment Manager.

2. Select the assessment that you wish to view from the pull down menu within "Reports on a single assessment" and click the "View" button.

3. Click the "View Proficiency Reports" button.




**Proficiency Graph** will illustrate the percentage of your students who are performing at Mastery, Partial Mastery, and Non-Mastery levels by concept for both Discovery Education Science-created assessments and by Standards for Standards-Based Assessments.

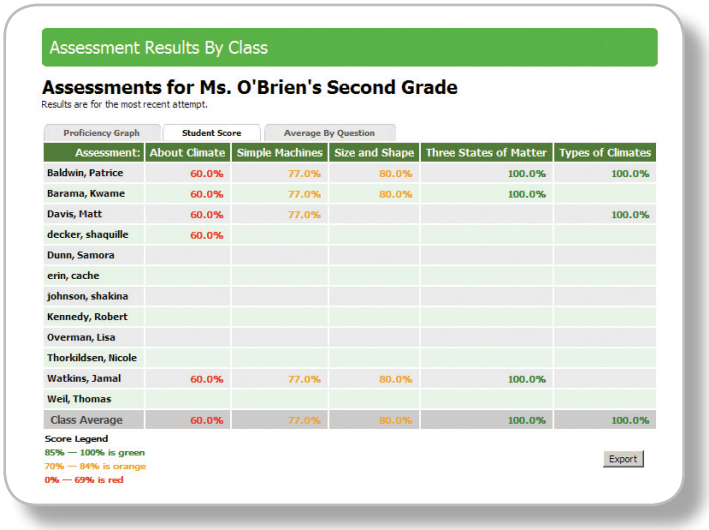
**Student Score** will show individual student scores for each assessment, itemized by concept and standard.

**Averages by Question** will detail class level performance on each assessment question. Data includes the score per question, the total number of students who received this question, and the number of students with incorrect answers.

## View Class Performance Across Multiple Assessments

Click the link "View results by class" located in the Report and Recommend section of the Assessment Manager. 2. Select the class you wish to review from the pull down menu within "Reports on multiple assessments" and click the "View" button.

The Assessment Manager provides three class performance reports to help you determine class understanding across multiple assessments.




**Proficiency Graph** will illustrate the percentage of your students who are performing at Mastery, Partial Mastery and Non-Mastery levels for each assessment.

**Student Score** will provide class totals and individual scores for each assessment.

**Average by Question** will detail student performance on assignment questions for each assessment. Data will include ratio performance, the total number of students who received each question, and the total number of students who answered the question incorrectly.

# MY BUILDER TOOLS
# Science Assessment Manager

## View & Assign Recommended Instructional Resources to Multiple Students

The Assessment Manager provides you with the ability to assign recommended instructional resources to the entire class, groups of students or to an individual student.

1. Click the link "View results by class" located in the Report and Recommend section of the Assessment Manager.

2. Select the assessment that you wish to view from the pull down menu within "Reports for a single assessment" and click the "View" button.

3. Click the "View Proficiency Reports" button.

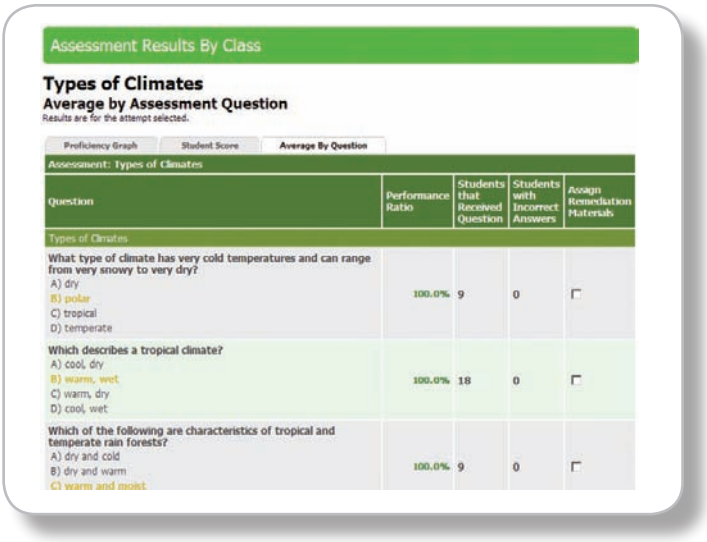
4. Click the "Averages by Question" tab.

5. Select the check boxes for the questions that you wish to review recommended instructional resources for and then scroll to the bottom of the screen and click the "Continue - Select Students" button.

6. The screen will refresh and display the Student Roster. Students who answered the question incorrectly have been pre-selected. You may deselect a student or assign an unchecked student. Select the students you wish to assign materials to and click the "Continue - View Recommendations" button.

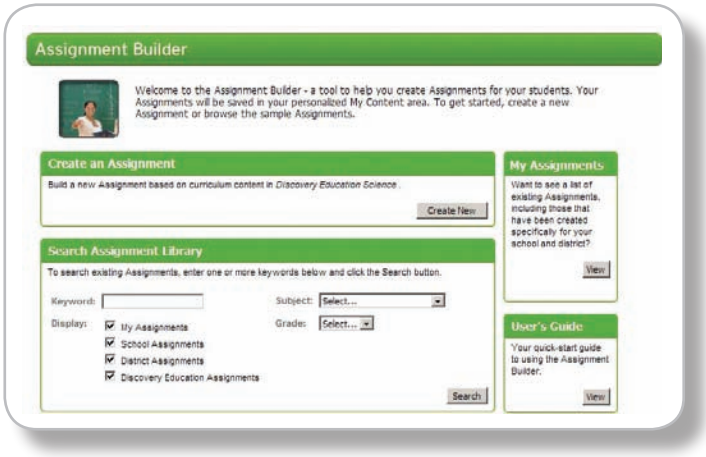
7. The Assessment Manager will return a list of all the instructional resources that address the learning objective that the question was designed to address. You have the ability to open and review each instructional resource directly from this page to determine the best fit.

8. Select the check boxes next to the resources you wish to assign and click the "Assign" button. The next time this student logs into Discovery Education Science, these materials will be available to him/or her in the Student Center.



# MY BUILDER TOOLS
# Science Assignment Builder

The Assignment Builder is a versatile resource that helps you build online activities and webbased projects that are stored on the Discovery Education servers. You can use this tool to create student assignments that integrate a variety of resources such as virtual labs, explorations, reading passages, video segments and assessments. Students access assignments through DE Science Student Center.




## Creating a New Assignment

Access the Assignment Builder from anywhere on the site by clicking on My Builder Tools in the navigation bar at the top of the screen. To get started, click on "Create New" from the Assignment Builder home page and follow these easy steps:

**Step 1: General Information**
Start by providing information about your assignment in the form provided. The assignment name, author, school, subject area, and grade level are required fields. You can also create assignment instructions, learning objectives and teacher notes. You can save your assignment by clicking on the "Save/Continue" button at the bottom of the screen.

**Step 2: Add Materials**
You can add media to your assignment, such as video segments, animations or audio files. You can also add an activity such as a Quiz or Writing Prompt or add links to websites.

**Step 3: Material Instructions**
Once you have selected media, activities and websites for your assignment, you can write step-by-step instructions that your students will see as they work with each material type.

**Step 4: Preview**
The Preview feature allows you to see what your assignment looks like in its final form. If you wish to make changes simply click on any of the steps in the process chain.

**Step 5: Summary**
You can assign your assignment to a class or individual student. Simply select a Class, or drill down in a class to a student or students, and click "Assign": Students can access their assignments through the details below:

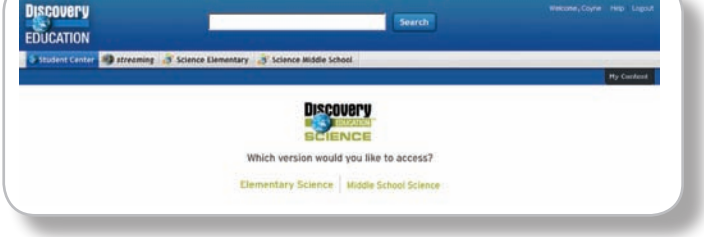
# STUDENT ACCESS
# Student Center

## Student Center

The Student Center enables students to view important information about the content you assign, including assignment type, due date and grade. Students have access to folders of content you have assigned that may contain a variety of media types, from videos and explorations to reading passages and assessments, so they can easily access material for an entire lesson or project.


## Student Login

1. Students go to www.discoveryeducation.com.
2. Students enter their username and password in the Subscriber Login area and click "Login."

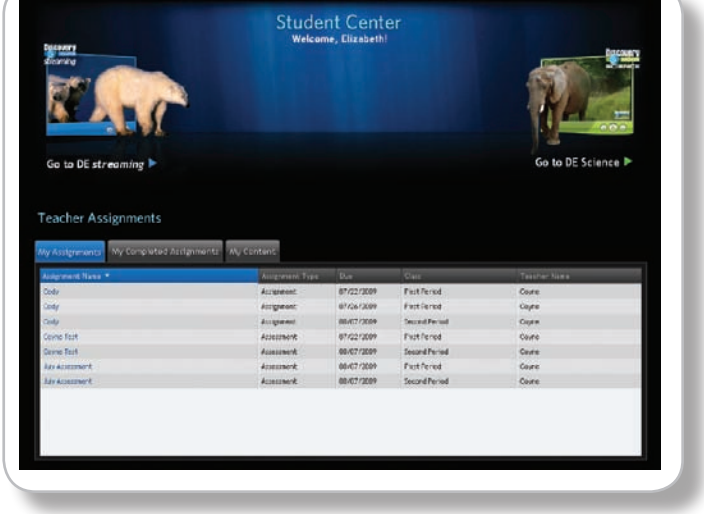



## Accessing Assignments

When students login, they will have access to the Discovery Education services to which their school or district subscribes. Students click the "Discovery Education Science" title or icon to get started.

Students can access assigned content at any time by clicking the "Student Center" link located in the gray bar at the top right of the screen.

Students use the Student Center to view their progress to date on assignments, view due dates for upcoming assignments and click an assignment name to launch an assessment or other media resource.



# PROFESSIONAL DEVELOPMENT

## Professional Development

Discovery Education offers a host of staff development options designed to help you make the most effective use of Discovery Education Science digital resources. Among the options are self-paced tutorials, best practice video segments, and staff development training materials.

## 5-Minute Preps

Use these resources to get quickly up to speed on science content and students' potential misunderstandings.


## Trainer's Toolkit

Use the resources and materials in the Trainer's Toolkit to enhance your staff development workshops. Download digital versions of the User Guide, the QuickStart Guide, and other support documents.

## Tech Talk

Visit Tech Talk to locate resources from the Discovery Education Science Implementation and Support Team. You'll find materials to help you successfully launch Discovery Education Science at your school or district and documents that address technical and network issues.

## Best Practices

View short, 30-second video segments that profile science teachers and gain exciting strategies for inquiry-based instruction.