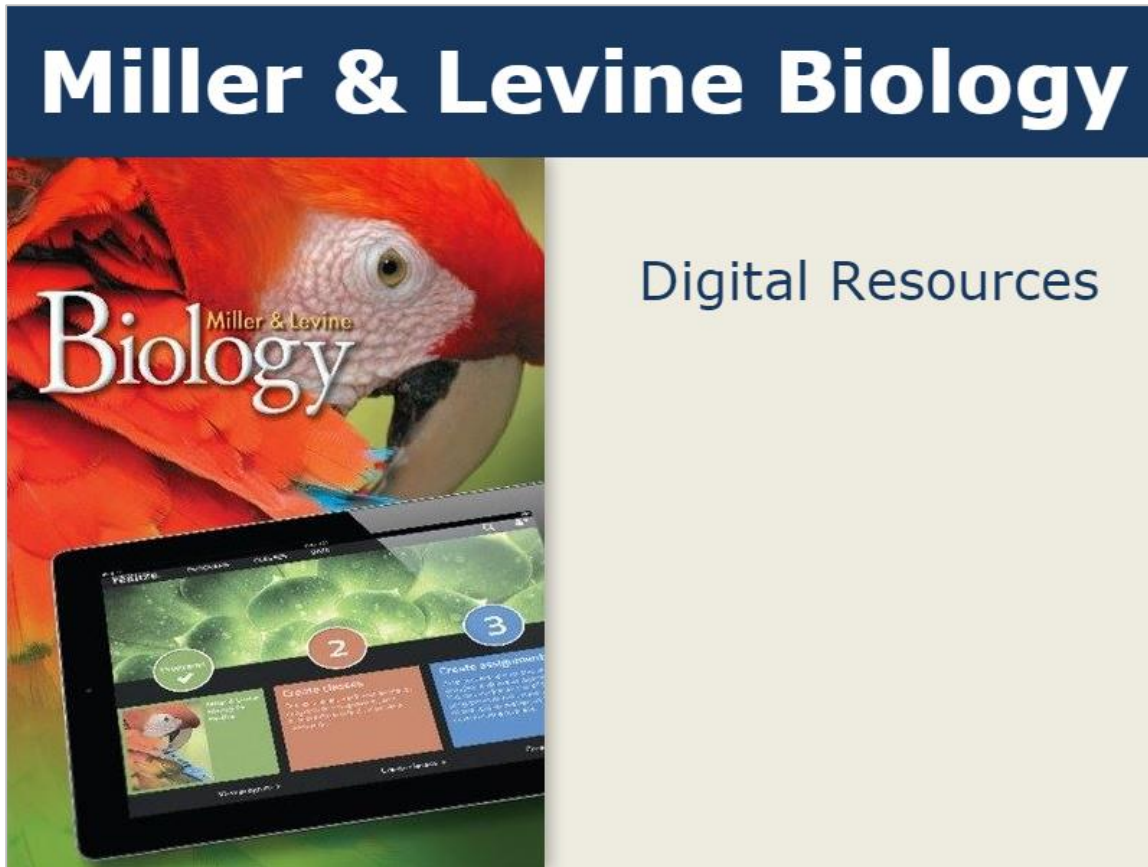


Miller & Levine Biology © 2014

Digital Resources

Introduction



In this tutorial, we will look at the digital resources for *Miller & Levine Biology* © 2014.

All of the digital resources are housed on the Pearson Realize™ platform. We will explore the platform Table of Contents, the eText and lesson resources, unique digital features of the program, and assessment options.

If you are not yet familiar with the Pearson Realize platform, please view the tutorials on MyPearsonTraining.com before continuing with this tutorial.

Pearson Realize Platform

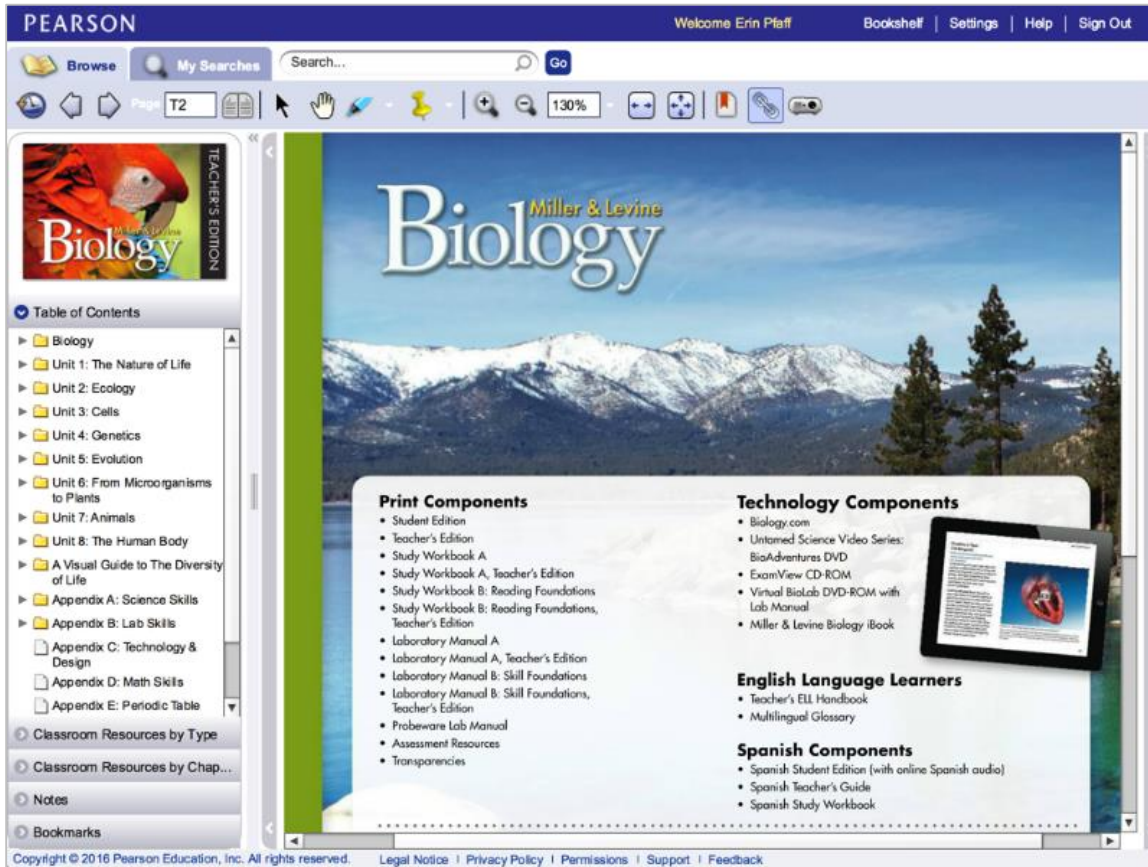
The screenshot displays the Pearson Realize platform interface. At the top, there is a navigation bar with the Pearson Realize logo and tabs for PROGRAMS, CLASSES, and DATA. Below this, the current program is identified as "Miller & Levine Biology for Realize". A secondary navigation bar includes links for Table of contents, Resources, Standards, eText, and Tools. The main content area is titled "Table of Contents" and features a "Thumbnail view" button. Below the title, there are options to "Rearrange", "My content", and "Create content". The Table of Contents is organized into a grid of seven items:

- Labs, Problem-Based Learning, STEM, and Program Resources**: Represented by a blue square with a white document icon.
- Chapter 1 The Science of Biology**: Represented by a photo of two students working in a lab.
- Chapter 2 The Chemistry of Life**: Represented by a photo of a polar bear in an icy landscape.
- Chapter 3 The Biosphere**: Represented by a photo of a white egret in a swampy environment.
- Chapter 4 The Diversity of Life**: Represented by a photo of a cheetah in a savanna.
- Chapter 5 The History of Life**: Represented by a photo of red crabs on a sandy beach.
- Chapter 6 The Molecular Basis of Life**: Represented by a photo of various microorganisms.

After logging in to Pearson Realize and choosing your *Miller & Levine Biology* program, you will enter the Table of Contents. You will notice a section dedicated to each chapter, along with an extra section at the beginning with additional program resources.

At the end of the Table of Contents, you will find a digital and downloadable version of *The Diversity of Life Visual Guide*.

eText



The screenshot shows the Pearson eText interface for Miller & Levine Biology. The top navigation bar includes the Pearson logo, the user name 'Welcome Erin Pfaff', and links for 'Bookshelf', 'Settings', 'Help', and 'Sign Out'. Below the navigation bar is a search field and a 'Go' button. The main content area displays the book cover for 'Biology Miller & Levine' with a background image of snow-capped mountains. On the left side, there is a 'Table of Contents' menu listing units from 'Unit 1: The Nature of Life' to 'Unit 8: The Human Body', along with various appendices and classroom resources. The right side of the main content area lists 'Print Components', 'Technology Components', 'English Language Learners', and 'Spanish Components'.

Click **eText** in the top menu bar to access digital versions of the Student Edition and Teacher's Edition for both the on-level and Foundation texts.

You have several options for navigating your eText. You can use the forward and back arrows, type a page number in the box at the top of the page, or use the Table of Contents on the left.

You can also search the eText for keywords using the search field at the top of the page.

Also, notice the Classroom Resources menus on the left. These menus contain digital versions of your supplemental materials. You will find editable PowerPoint presentations for each lesson and downloadable Study Workbook pages, Lab Manuals, graphic organizers, and assessments.

Digital Features

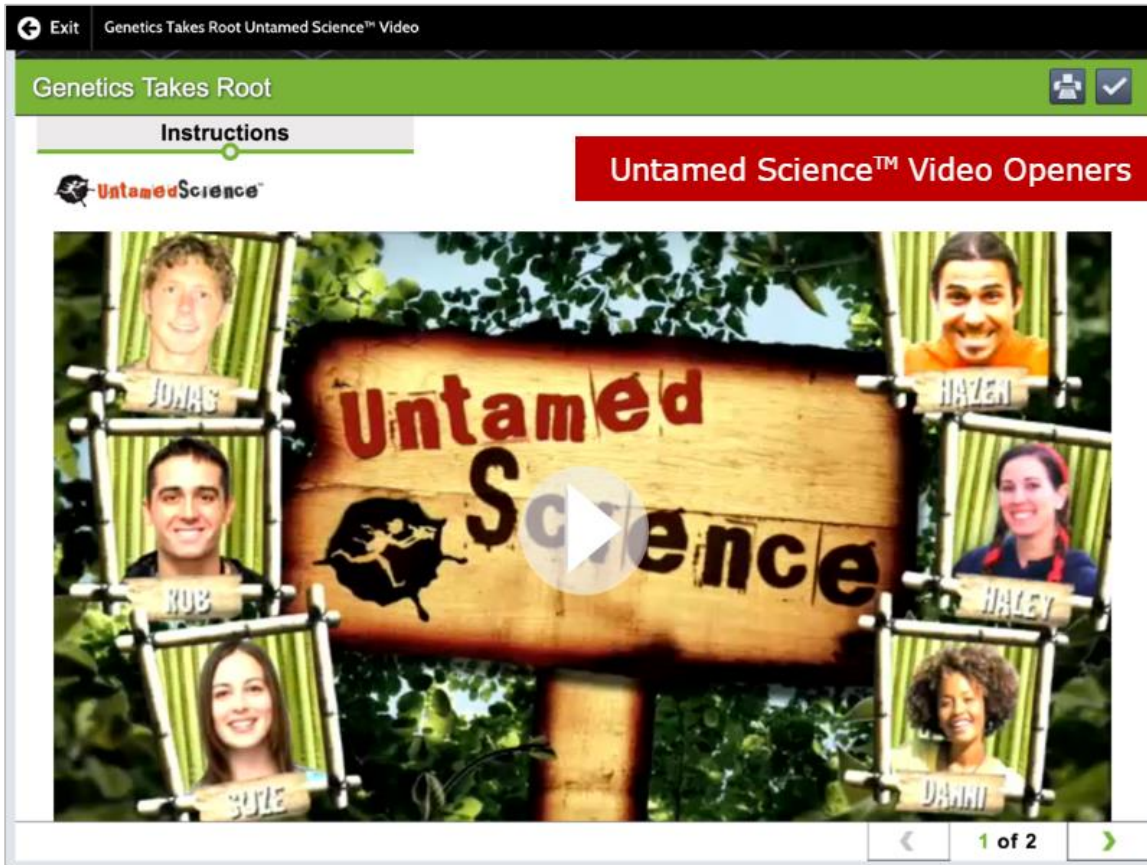


Virtual BioLab

Digital-only activities

In addition to digital versions of your print resources, Pearson Realize offers several activities that are only available digitally. Let's look at some of these activities.

Untamed Science Videos



Exit Genetics Takes Root Untamed Science™ Video

Genetics Takes Root

Instructions

Untamed Science™

Untamed Science™ Video Openers

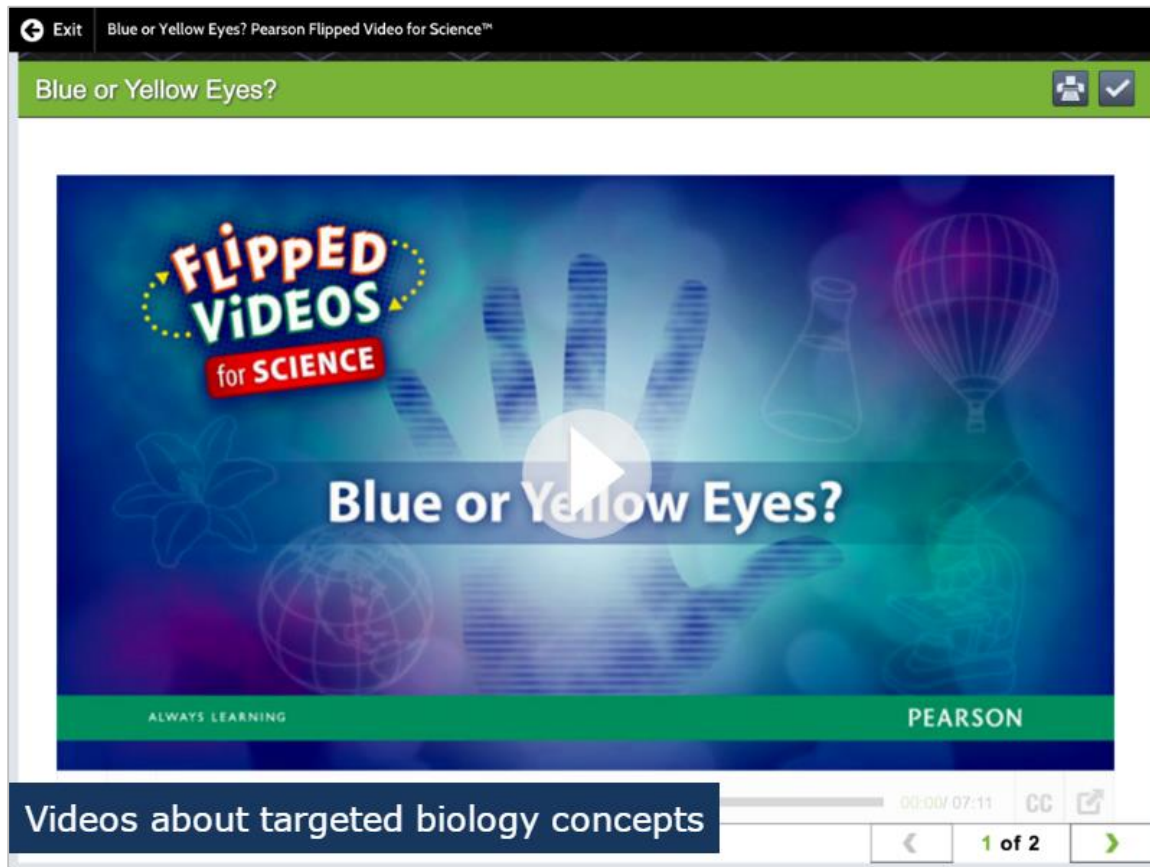
Jonas Hayden Rob Julie Haley Dawhi

Untamed Science

1 of 2

Start each chapter with the Untamed Science™ Video Opener. These videos engage students by sparking their curiosity about the chapter's content. You will also find Untamed Science videos in lessons.

Flipped Videos for Science



Flipped Videos for Science™ are instructional videos about targeted biology concepts. You will find these videos in select lessons on Pearson Realize. Using these videos to provide direct instruction leaves more time for classroom inquiry and discussion.

Discussion Board

PEARSON realize. PROGRAMS CLASSES DATA

Demo class

Assignments Calendar Discuss Students & Groups Class Settings

My prompts Create a prompt

Active discussions

City Cousin/Country Cousin
View assignment

Symbiotic Relationships
View assignment

My prompts Create a prompt

Each class has its own discussion board threads.

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PEARSON

You can find the interactive discussion board feature in the Classes tab. Each class will have its own discussion board threads. Find discussion board prompts and rubrics in a lesson's "Getting Started" section, or create your own prompts to support the lesson content.

Virtual Labs

Designing a Rainwater Capture System


Overview
Learning Outcomes
Investigation


↺
↻
↷

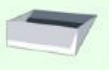
Part 1: Build


Using the available components, construct a rainwater capture system. Your system should include:


1. **Catchment**
Surface: area on which the rainwater collects and runs off
2. **Channels:** gutters and downspouts that conduct water to the storage tank
3. **Leaf Screens:** catch and deflect large debris such as leaves and twigs
4. **First-flush Diverter:** diverts the first few gallons of rainwater, which



Catchment



Channels



Leaf Screens


First Flush


Storage Tank


Overflow


Outlet



Virtual Labs are available in select lessons

The Virtual Lab is an exciting feature that allows students to create, manipulate, and analyze models to understand the relationships in complex systems. Virtual Labs are available in select lessons on Pearson Realize.

Downloadable Resources




Resources available as digital downloads

You can download Study Workbooks, Lab Manuals, and select assessments from Pearson Realize. Some of these resources are available in PDF format, while others are editable document files. You can find individual portions within each chapter, or you can access the entire text in the “Labs, Problem-Based Learning, STEM, and Program Resources” section. You can also find these downloadable resources in your Teacher’s Edition eText.

Teaching Lessons

←
Lesson 2 Limits to Growth


Getting Started



Weeds of Mass Destruction Untamed Science™ Video


[Assign](#) [Info](#)

Learn




Limits to Growth Editable Pres

[Assign](#) [Info](#)



How Does Competition Affect Growth? Quick Lab


[Assign](#) [Info](#) [Teacher resources](#)



The Disappearance of Honeybees STEM Activity

[Assign](#) [Info](#) [Teacher resources](#)

Assess



[Limits to Growth Lesson Quiz](#)

[Assign](#) [Info](#) [Customize](#)

Lessons may span more than one class period

Now let's explore the digital resources available for teaching a lesson. We will look at each of the three sections of a lesson: Getting Started, Learn, and Assess. Keep in mind that you might not be able to complete an entire lesson during a single class period.

Getting Started



Begin the lesson with a class discussion about the discussion board prompt, if you assigned one. You may want to check the discussion board ahead of time to identify key student thoughts and comments that can help structure your discussion.

You might also find an Untamed Science™ Video in this section.

Learn

The screenshot shows the 'Learn' section of a digital resource interface. At the top, there are three tabs: 'Info', 'Assign', and 'Customize'. The 'Assign' tab is highlighted with a red box. Below the tabs, there is a list of four activities, each with an icon and a title. The 'Assign' button for each activity is highlighted with a red box. The activities are:

- Limits to Growth Editable Pres (Icon: Finger pointing to a document)
- How Does Competition Affect Growth? Quick Lab (Icon: Erlenmeyer flask)
- The Disappearance of Honeybees STEM Activity (Icon: STEM logo)
- Pythons in the Everglades Virtual Lab (Icon: Microscope)

At the bottom of the screenshot, a red callout box contains the text: "Assign activities to individuals, groups of students, or the entire class".

The Learn section contains many activities that you can assign to individual students, groups of students, or your entire class. You may also choose to complete some of these activities as a whole group or re-order the sequence of activities to meet your needs.

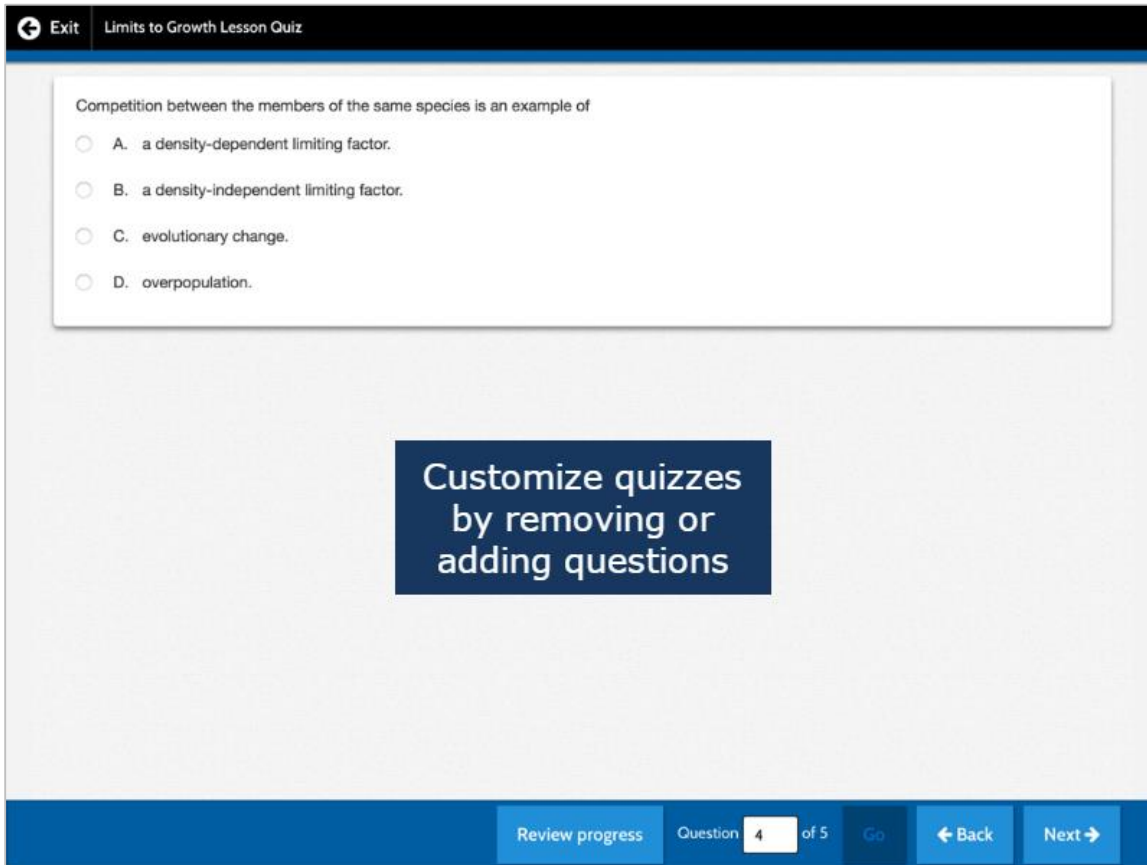
The activity icon will tell you what type of activity it is. For instance, the finger icon indicates an interactive digital activity. Students will complete these activities on Pearson Realize by navigating through various screens and entering their responses.

To assign an activity, click the **Assign** button. On the Create an assignment screen, choose the due date, enter instructions for the activity, and select the students or classes that will complete the assignment.

Each lesson also contains an editable PowerPoint presentation, available here or within your Teacher's Edition eText. Download the presentation, make your edits, and present the instruction to your class.

During the Learn section, you may decide to use the eText with an interactive whiteboard. Click the image of the projector to use whiteboard mode.

Assess



← Exit Limits to Growth Lesson Quiz

Competition between the members of the same species is an example of

- A. a density-dependent limiting factor.
- B. a density-independent limiting factor.
- C. evolutionary change.
- D. overpopulation.

Customize quizzes
by removing or
adding questions

Review progress Question 4 of 5 Go ← Back Next →

Every lesson contains a multiple-choice quiz that students complete through Pearson Realize. You can customize the quiz by removing questions or adding questions from the test bank. Lesson quizzes are automatically graded to save you time and provide quick data on your students' understanding of the lesson content.

Customization

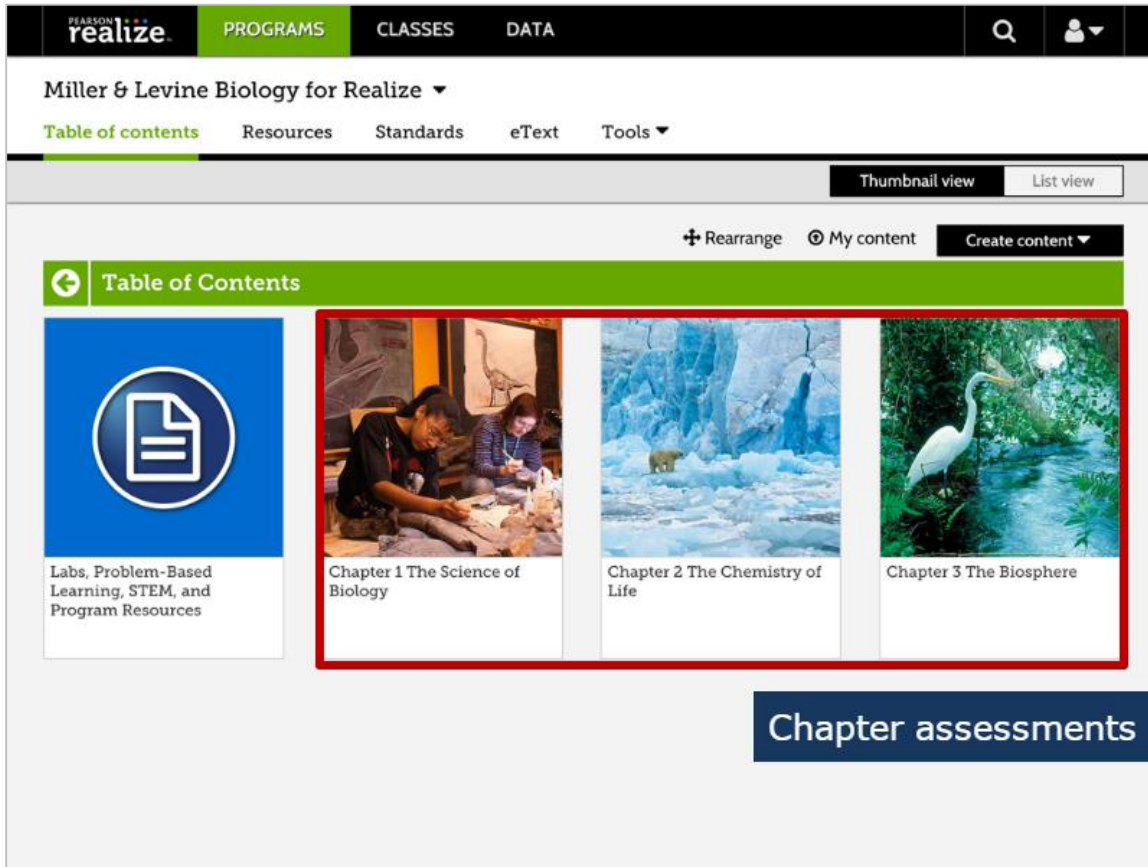
The screenshot shows the Pearson Realize interface for 'Miller & Levine Biology for Realize'. The navigation bar includes 'PROGRAMS', 'CLASSES', and 'DATA'. Below the navigation bar, there are tabs for 'Table of contents', 'Resources', 'Standards', 'eText', and 'Tools'. The main content area is titled 'Lesson 2 Limits to Growth' and includes a 'Getting Started' section with a video 'Weeds of Mass Destruction Untamed Science™ Video'. Below this is a 'Learn' section with several activities: 'Limits to Growth Editable Pres', 'How Does Competition Affect Growth? Quick Lab', 'The Disappearance of Honeybees STEM Activity', and 'Python in the Everglades Virtual Lab'. A red box highlights the 'Edit' button, and a red callout box states 'Remove, supplement, or rearrange lesson activities'.

You can customize a lesson in a variety of ways. To get started, click **Customize**. You can remove, supplement, or rearrange activities within the lesson. To remove or add content, click **Edit**.

To supplement the lesson with your own content, click **Add**. You can add links, upload files, and write personalized notes to your students.

You can add content to individual lessons or at the program level. These resources will be available to use whenever you customize an assignment. You can even assign your own content as stand-alone activities.

Assessment



The screenshot displays the Pearson Realize digital resources interface. At the top, there is a navigation bar with the 'realize' logo and tabs for 'PROGRAMS', 'CLASSES', and 'DATA'. Below the navigation bar, the text 'Miller & Levine Biology for Realize' is shown, followed by a dropdown menu with options: 'Table of contents', 'Resources', 'Standards', 'eText', and 'Tools'. A 'Thumbnail view' button is active, and a 'List view' button is also present. Below these buttons, there are options to '+ Rearrange', '@ My content', and 'Create content'. The main content area is titled 'Table of Contents' and features three chapter thumbnails: 'Chapter 1 The Science of Biology' (with an image of students in a lab), 'Chapter 2 The Chemistry of Life' (with an image of a polar bear in a snowy landscape), and 'Chapter 3 The Biosphere' (with an image of a white egret in a pond). A 'Chapter assessments' button is located at the bottom right of the content area.

In addition to the lesson quizzes, you can find digital chapter assessments in each chapter's section. Benchmark and Diagnostic assessments are located in the "Labs, Problem-Based Learning, STEM, and Program Resources" section. Some of the questions on these tests are auto-graded, while free-response items require manual grading.

If you prefer downloadable versions of assessments that you can print for your students, find the editable document files in each chapter's section or in your Teacher's Edition eText. In addition, you will find two downloadable Unit Tests in your eText.

Access the ExamView Suite from the drop-down Tools menu for downloadable versions of assessments in both English and Spanish.

Digital Assessment Data



Mastery

Item analysis

Progress

Usage

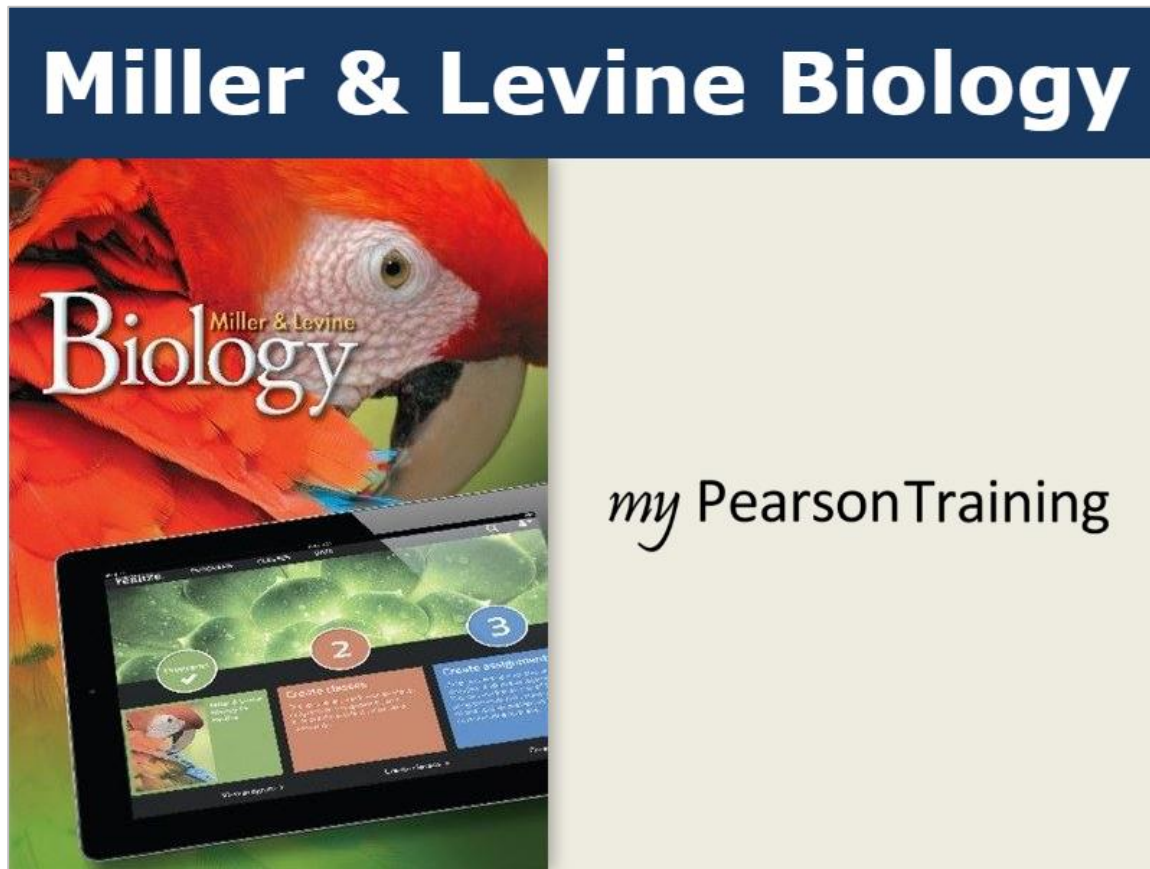
Click the **Data** tab to see student results for the digital assessments at a glance. You will find comprehensive reports that track mastery, item analysis, progress, and usage data.

Practice Exercise

You can practice finding some digital resources on your own. Go into the program on Pearson Realize and find each feature below. Remember, there might be more than one path to each resource.

- Untamed Science Videos and Flipped Videos For Science
- eText
- Discussion Board
- Study Workbook and Lab Manual excerpts
- Chapter Assessments
- Reports that track student mastery
- A place to upload your own file

Closing



In this tutorial we learned how to access the program digital resources available on Pearson Realize. We explored the platform Table of Contents, eText and lesson resources, unique digital features of the program, and assessment options.

For additional Miller & Levine Biology tutorials, visit MyPearsonTraining.com.