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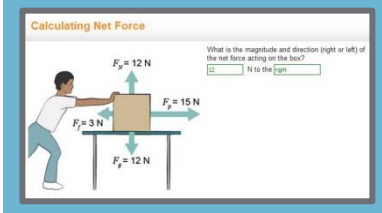
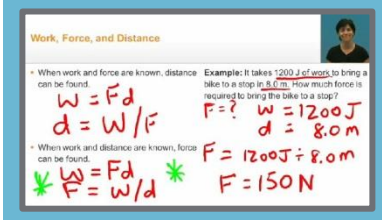
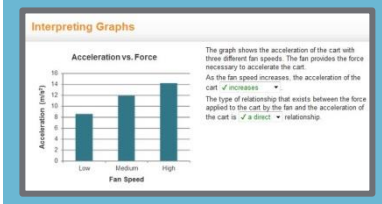




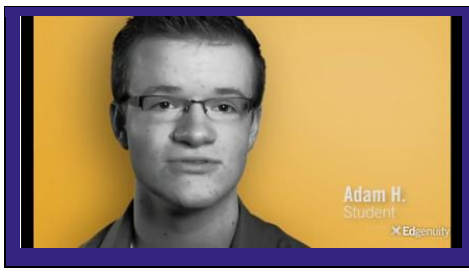


Category: Best Science Instructional Solution

Edgenuity empowers teachers to motivate students and ensure success with our comprehensive science curriculum designed to meet the demands of the Next Generation Science Standards. Our Next Generation Science Suite is a comprehensive solution that supports teachers, schools, and districts in helping all students become competitive in the 21st century in a variety of programs and learning environments, including initial credit in the traditional classroom, credit recovery, summer school, homebound students, and much more.

The comprehensive content and resources are provided through our Learning Management System (LMS) that includes everything teachers and students need, from curriculum, to supplemental resources, to support tools. The curriculum empowers teachers to use technology to create student-driven classrooms by communicating, connecting, facilitating, providing feedback, and helping each student learn in the best way for the individual. Our curriculum allows teachers to focus their attention where it matters most: on student progress and achievement.

The flexible content and LMS offer a variety of resources to complement any class. The curriculum, grounded in research, combine rigorous content, interactive learning tools, and embedded supports and scaffolds to engage and motivate students. Powerful data and tools inform instruction and provide teachers with a real-time understanding of student progress. Customization features allow teachers to tailor instruction for individuals, small groups, or whole classes, and robust reports track data for students, assignments, courses, or programs all the way to the district level.



Adam, a blended learning student and fan of online courses, discusses how Edgenuity Revolutionizes the learning experience by combining the classroom environment with online technology.

"I've actually been able to excel in all of my courses because I can go at my own pace."

Content Overview: Edgenuity Next Generation Science Suite

Edgenuity's rigorous yet engaging Next Generation Science curriculum emphasizes the application of scientific thinking to real world issues and challenges, preparing students to think and reason scientifically.

The science curriculum is highly interactive with multi-media and activities designed to incorporate real-world relevance. Students engage in scientific practices to develop an understanding of scientific approaches to investigate, model, and explain the world. The curriculum contains projects to promote in-depth exploration and application of scientific inquiry and use real world situations to demonstrate the application of more complex concepts. Throughout assigned content, students solve problems, reason abstractly, and learn to think critically. Students engage in a variety of rich multimedia sources, simulations, and experiments that enhance learning and foster comprehension.

Digital Content Library, Courses, and Course Versions

Edgenuity's Science Curriculum Suite consists of a comprehensive Digital Library of science curriculum along with prebuilt course versions built for each state. The Digital Library can be used by teachers to supplement the traditional classroom, to build custom courses, or to personalize learning for individual students. Teacher may select only certain activities or standards to assign or they might author and add projects or writing prompts for students. The prebuilt Next Generation Science Courses include the following base courses for grades 6-12:

- Life Science
- Earth Science
- Physical Science
- Biology
- Chemistry
- Environmental Science
- Physics

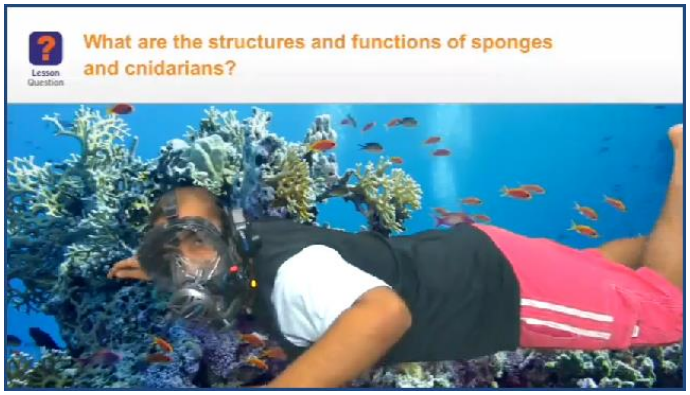
Additionally, Edgenuity offers state specific curriculum designed for states where courses vary from our base courses, such as integrated science courses, and the curriculum can be further customized for districts that want to follow a different scope and sequence.

Core high school courses include three pre-customized course versions designed for *initial credit*, *credit recovery*, and *honors* implementations. All versions include system-scorable practice assignments. The initial-credit and honors versions include extended assignments, which allow students to demonstrate in-depth understanding of concepts. The honors versions provide enrichment for above-level students with additional lessons and assignments that complement the initial-credit curriculum.

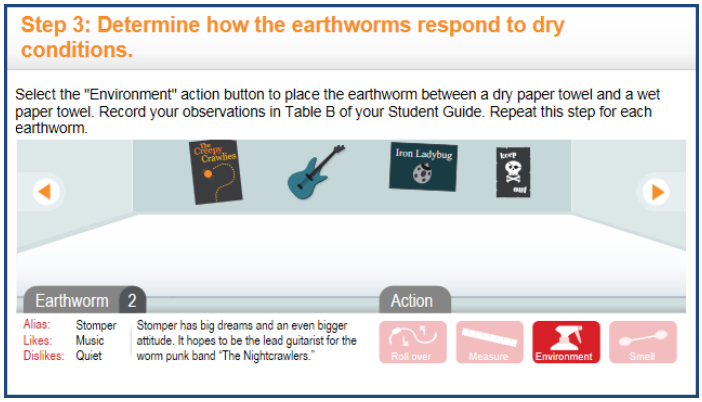
Science Curriculum Features

The Next Generation Science Suite contains the following innovative features to engage students and ensure that they master the standards:

- A diverse group of experienced on-screen teachers guide students through the content, combining rigorous instruction and modeling of important skills with humor, real-world connections, and positive reinforcement that together provide an engaging experience.
- To promote inquiry and a focus on big ideas, every lesson includes a guiding lesson question.
- Each lesson begins with a thought-provoking warm-up activity to engage students and activate or build on prior knowledge.
- On-screen teachers step "out of the box" and into exciting locales such as the Great Barrier Reef to introduce a lesson on sponges and cnidarians, and the savannas of Africa to describe how organisms interact with each other.



- The courses include an abundance of rich graphics, charts, diagrams, animations, and interactive tools, which help students relate to and visualize the content.
- A variety of graphic organizers helps students understand relationships between and among concepts.
- An emphasis on interpreting figures and data displays helps students read and understand information the way scientists present it.
- Real-world connections, including engineering and technology skills, help students connect science to their everyday lives.
- Reading assignments utilize the CloseReader™ tool, which enables students to interact with the text by highlighting targeted words and phrases and adding purposeful sticky notes. Students also probe vocabulary words, investigate elements and features of the text with careful scaffolding, and benefit from auditory assistance.
- To help students apply concepts, the courses contain labs, with student and teacher guides, and guides to step students through the writing of a lab report. There are both hypothesis-based labs and labs that are exploratory in nature. The labs allow students to dictate the course of their investigation, prompting them to ask questions and determine the flow of the lab.



Focus on the Next Generation Science Standards

The curriculum was specifically built to and aligned with the Next Generation Science Standards (NGSS) and are also developed in accordance with the iNACOL Standards for Quality Online Courses. The content meets the varying needs of individual students to guide them in developing scientific and technological literacy that enable them to thrive in today's society. Throughout the content students apply the eight practices of science and engineering by means of processes that are built into the curriculum such as lab planning, investigation, and reflection, hands-on projects, data analysis, and communicating arguments based on evidence.

Three Dimensions of Learning

Each performance expectation in the Next Generation Science Standards incorporates three dimensions of learning that shift student expectations from memorizing to doing. Students must apply practices of science to the exploration of new content across each discipline, as it applies to the real world around them. They learn to explain and evaluate the things they see, touch, and hear every day.

The dimensions of learning are practices, crosscutting concepts, and disciplinary core ideas, and when used in unison result in scientific literacy.

- **Dimension 1: Practices**

  Edgenuity's curriculum cultivates students' habits of mind, encourages investigation and inquiry, and teaches students to reason in a scientific context as they develop a wide range of content knowledge. Additionally, science practice objectives based on critical-thinking skills help students apply science skills.

- **Dimension 2: Crosscutting Concepts**

  The curriculum has a focus on the nature of science so students learn to interrelate knowledge from various science fields. Instruction presents information as it relates to the real world. Real-World Connections activities help students connect science in each domain to their everyday lives. Virtual lab activities, with wet lab options, and projects guide students to apply the concepts they learn, such as patterns, cause and effect, systems, structure, and stability across the courses.

- **Dimension 3: Disciplinary Core Ideas**

  In each grade band, 6-8 and 9-12, students study the progression of disciplinary core ideas. The disciplines include earth and space science, life science, physical science, and also engineering, technology, and applications of science. Edgenuity incorporates the fourth discipline by providing numerous opportunities for students to apply engineering and technology skills to real-world applications of science through project-based learning.

See charts below in *Disciplinary Core Idea and Alignment Samples* for examples of each dimension:

Disciplinary Core Idea and Alignment Samples

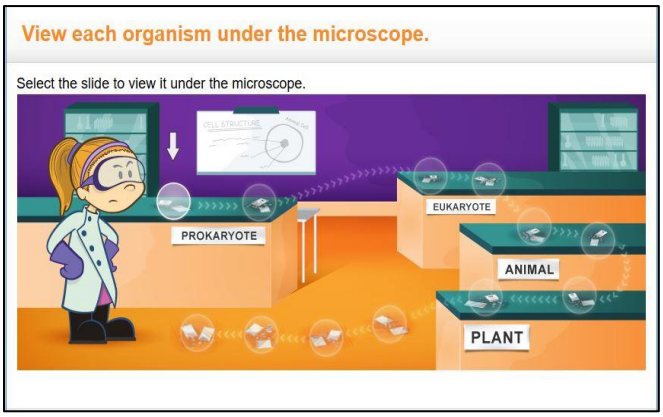
Course: Life Science

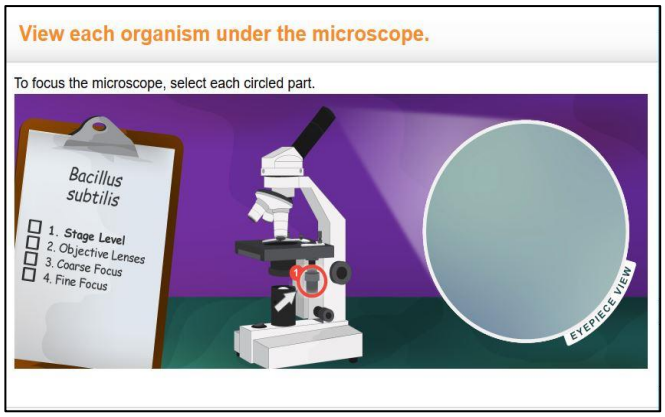
Core Idea: Life Science: LS1: From Molecules to Organisms: Structure and Processes

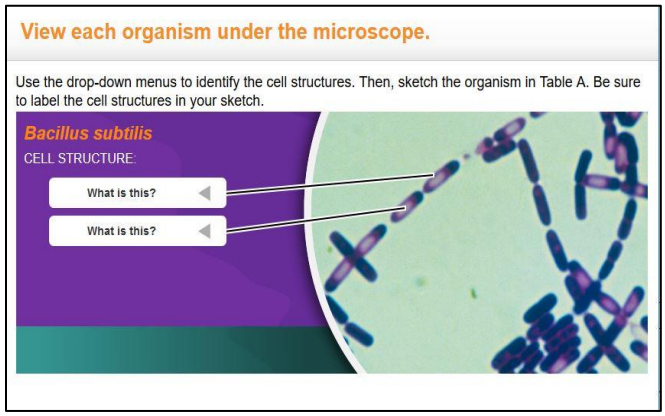
Standard: MS-LS1-1: Conduct an investigation to provide evidence that living things are made of cells; either one cell or many different numbers and types of cells.

Lesson: Lab: Exploring Cells

Students investigate a laboratory accident in order to solve the mystery of the mixed-up cells. This investigation includes the utilization of a virtual microscope to distinguish between various kinds of cells.







Core Idea: Life Science: LS2: Ecosystems: Interactions, Energy, and Dynamics

Standard: MS-LS2-4: Construct an argument supported by empirical evidence that changes to physical or biological components of an ecosystem affect populations.

Lesson: Lab: Ecological Succession

Students utilize a virtual microhabitat to explore the process of ecological succession and its impact on organisms and the environment.

Core Idea: Engineering, Technology, and Applications of Science: ETS1: Engineering Design

Standard: MS-ETS1-1: Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.

Lesson: Biodiversity, Project: Planning for Biodiversity and Ecosystem Services

Students participate in team-based learning in order to apply scientific concepts in a real-world scenario. Students also develop and effectively utilize communication and team presentation skills.

Course: Physical Science

Core Idea: Physical Science: PS1: Matter and Its Interactions

Standard: MS-PS1-6: Undertake a design project to construct, test, and modify a device that either releases or absorbs thermal energy by chemical processes.

Lesson: Types of Chemical Reactions, Project: Thermal Energy and Chemical Reactions

Students apply knowledge of technological design, as well as techniques of project-based learning in order to investigate the relationship between chemical processes and the release of thermal energy. Students design, construct, test, and modify a device that releases thermal energy by chemical processes.

Assignment Summary

In this project, you will design, construct, test, and modify a device that releases thermal energy by chemical processes. You will be provided specific materials by your instructor, and will use these materials to design a device that releases energy to the environment. Next, you will build the device and test it by gathering temperature data. Finally, you will use your data to evaluate the design and decide how to improve your device.

Assignment Instructions

Step 1: Gather materials and necessary information.

a) You will be provided with these initial materials:
- ☐ 2 plastic resealable bags
- ☐ 3–5 "000" size empty gelatin capsules
- ☐ One 10 mL graduated cylinder to measure purified or distilled water
- ☐ 5 mL distilled water
- ☐ 1 g calcium chloride
- ☐ 1 Fahrenheit or Celsius thermometer
- ☐ 1 funnel
- ☐ Clock or stopwatch

b) Make sure you use the materials given only for reference purposes in Steps 1 and 2 to help you with ideas in the design phase. Building the device does not occur at this point and any materials you alter or destroy will not be replaced.

c) Be sure to organize your materials and make sure that the chemicals are handled safely.

d) Do not allow substances to mix until the testing phase begins.

e) Be sure you have paper and a pen or pencil to record data before, during, and after the testing phase of the project. This data will be reported in your final report.

f) The reaction that will be used is the dissolving of calcium chloride in distilled or purified water. The action of dissolving calcium chloride is an exothermic process that can be detected by an increase in temperature.

g) Remember to treat tools and materials with care and respect, and to use all safety precautions that you would in a laboratory exercise.

Core Idea: Physical Science: PS3: Energy

Standard: MS-PS3-3: Apply scientific principles to design, construct, and test a device that either minimizes or maximizes thermal energy transfer.

Lesson: Radiation, Project: Solar Cooker

Students apply knowledge of technological design in order to investigate concepts of heat transfer and application of heat transfer to real-world appliances.

Designing a Solar Cooker
Student Guide

Edgenuity

Assignment Summary

For this assignment, you will research how to design and build a solar cooker. A list of links that will help you in your research is provided at the end of this document. After getting the materials you need from your teacher, you will present your initial design as a drawing or illustration. You will then build your device and test its efficiency by warming up a hot dog until it reaches an internal temperature of 165°F, recording how long it took you to reach this temperature. Based on your tests, you will make recommendations on how to improve the design of your solar cooker, and then present your final design and the logic that supports it in a lab report. Your lab report should include a title, a list of materials that you used to build your solar cooker, a drawing of your initial design, observations from your experimental tests, recommendations for a final design based on what you know about radiation, a drawing of your final design, and the results of the efficiency test. To help you write your lab report, there is a Student Worksheet on the last few pages of this document.

Background Information

To warm up and cook food, heat is required. Heat is the thermal energy that flows from one substance to another because of a temperature difference. The Sun's rays transfer its thermal energy to Earth. Your goal is to focus and trap these rays to warm up a hot dog. You will do this by applying what you know about thermal energy. Objects can absorb or reflect thermal energy. Absorption occurs when an object's surface takes in thermal energy, while reflection is thermal energy bouncing off as the Sun's rays hit the object's surface. Two factors that affect the absorption and reflection of thermal energy are the color and texture of the object's surface. Dark colors absorb more thermal energy than light colors, and smooth surfaces reflect more thermal energy than rough surfaces. Consider these factors as you build your device. This is an engineering challenge because it combines physics principles with real building materials and design constraints. It provides you with the opportunity to think about a problem, construct a solution, and evaluate your solution's effectiveness.

Course: Biology

Core Idea: Life Science: LS1: From Molecules to Organisms: Structure and Processes

Standard: HS-LS1-3: Plan and conduct an investigation to provide evidence that feedback mechanisms maintain homeostasis.

Lesson: Lab: Exercise and Homeostasis

Students apply their knowledge and understanding of the scientific process in order to plan an investigation to examine how heart rate changes during and after exercise.

Background Information

It is time to get you thinking about the effects of exercise on heart rate. The experiment you will devise should examine the changes in heart rate after an exercise is performed for two different periods of time. You and your partner will need to determine each other's heart rate before and after exercise as well as each other's recovery period. Your teacher will let you know what materials are available. You and your partner should plan your investigation around these.

To find your heart rate, use the tips of your index and middle fingers to press lightly over the blood vessels in your wrist or neck. Depending on the individual, sometimes one area is better for feeling pulse than the other. Count your pulse for ten seconds. Multiply the number of pulses by six to find your number of beats per minute.

Lab Procedure

Here is an outline of the steps you should follow to plan your investigation for this lab. Later in the guide, you will have space to develop your ideas, collect data, analyze and discuss results, and draw conclusions.

Step 1: Determine the types of data you will gather and the tools of measurement you will use to collect the data.

How will you gather data for your experiment? If gathering quantitative data, you may want to devise a table in which you can record your results in an organized manner. Also, consider how you will record any qualitative or descriptive data in addition to your numerical results. You should use a pencil to record data.

Step 2: Devise an experiment to examine the effects of exercise on heart rate for two different periods of time.

Develop the main steps and describe how you will run the experiment. Your teacher will guide you on what materials are available for your experiment.

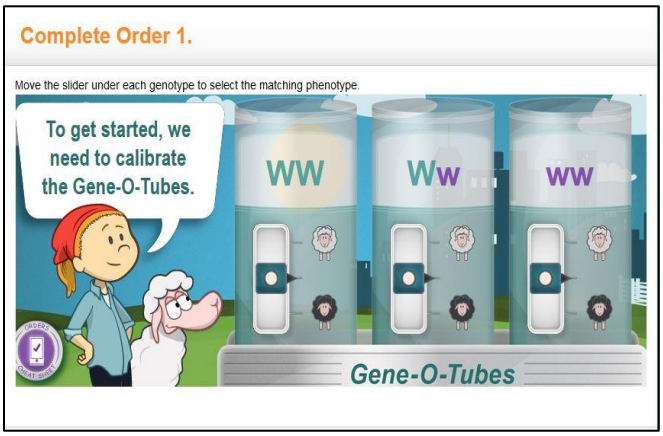
Step 3: Stop. Have your teacher sign off on Steps 1 and 2 before you continue the investigation.

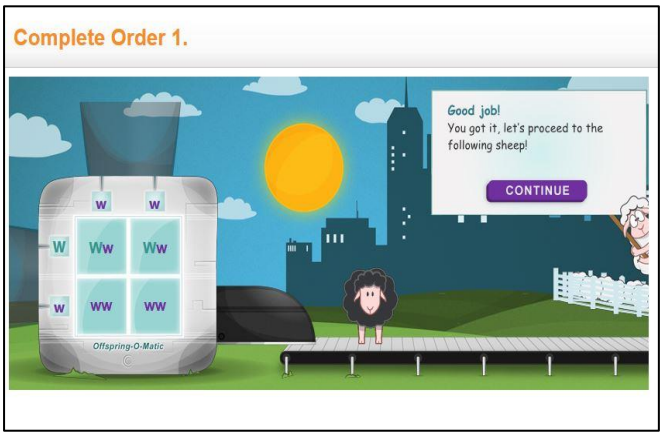
Core Idea: Life Science: LS3: Heredity: Inheritance and Variations of Traits

Standard: HS-LS3-3: Apply concepts of statistics and probability to explain the variation and distribution of expressed traits in a population.

Lesson: Lab: Heredity and Punnett Squares

Students take on the role of a sheep geneticist to investigate the role of genotype in determining the phenotype of organisms. This investigation includes the utilization of virtual "Gene-O-Tubes" and an "Offspring-O-Matic" to examine various combinations of parents and determine offspring.



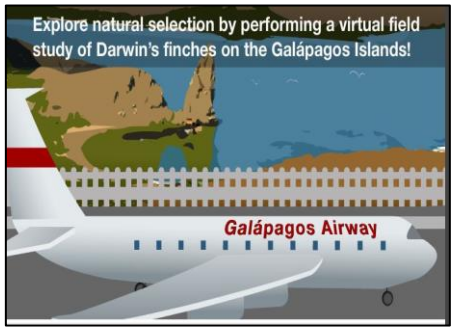


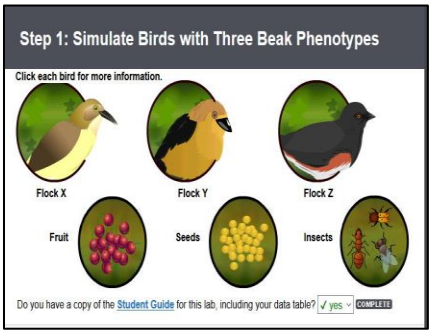
Core Idea: Life Science: LS4: Biological Evolution: Unity and Diversity

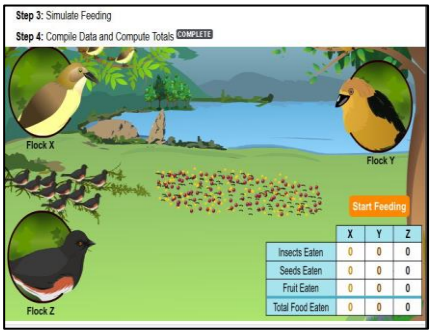
Standard: HS-LS4-3: Apply concepts of statistics and probability to support explanations that organisms with an advantageous heritable trait tend to increase in proportion to organisms lacking this trait.

Lesson: Lab: Natural Selection

Students apply their knowledge of various methods of scientific study to conduct a virtual field investigation of natural selection in the Galapagos Islands.







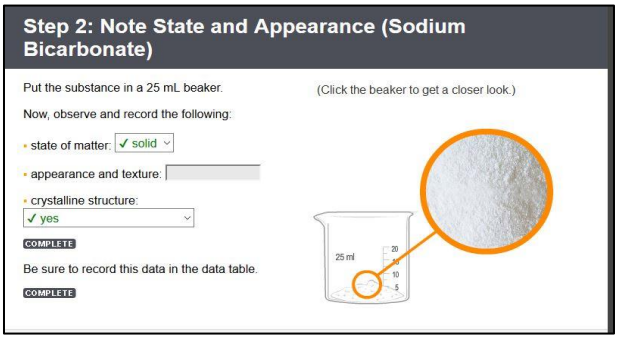
Course: Chemistry

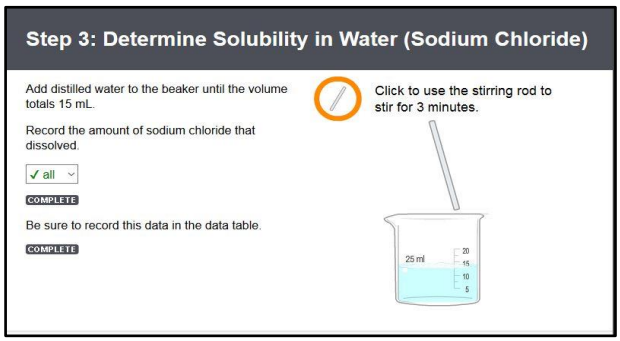
Core Idea: Physical Science: PS1: Matter and Its Interactions

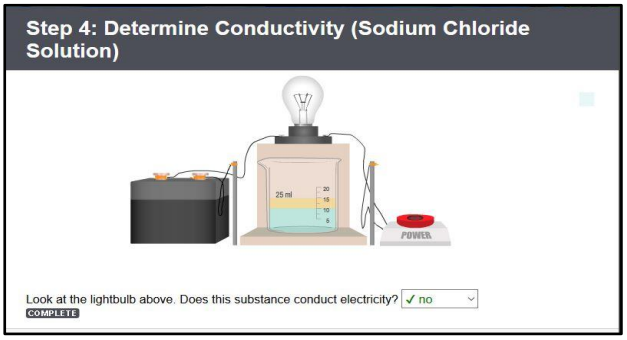
Standard: HS-PS1-3: Plan and conduct an investigation to gather evidence to compare the structure of substances at the bulk scale to infer the strength of electrical forces between particles.

Lesson: Lab: Ionic and Covalent Bonds

Students investigate the impact of electrical forces between particles on the properties of electrical conductivity, solubility, and overall structure.







Core Idea: Engineering, Technology, and Applications of Science: ETS1: Engineering Design

Standard: HS-ETS1-3: Evaluate a solution to a complex real-world problem based on prioritized criteria and trade-offs that account for a range of constraints, including cost, safety, reliability, and aesthetics, as well as possible social, cultural, and environmental impacts.

Lesson: Fuel Cells

Students construct an argument for or against the immediate introduction of fuel-cell cars, including a detailed analysis of likely points of objection from the opposition and counterarguments to the objections. This written essay allows students to further develop research and analytical skills, as well as effectively communicate information about and/or debate a real-world problem.

Lesson: Nuclear Energy

Students construct a detailed argumentative essay regarding the continued use of nuclear power within the United States. Students conduct research and implement data analysis to support their argument with specific reasons and justifications.

Course: Physics

Core Idea: Physical Science: PS2: Motion and Stability: Forces and Interactions

Standard: HS-PS2-3: Apply scientific and engineering ideas to design, evaluate, and refine a device that minimizes the force on a macroscopic object during a collision.

Lesson: Impulse and Momentum, Project: Egg Drop

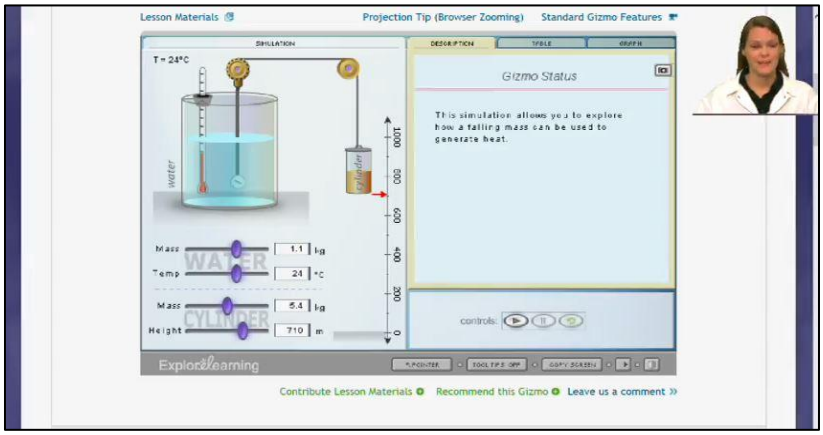
Students apply knowledge of technological design, as well as techniques of project-based learning in order to investigate concepts of force and momentum. Students must plan, design, and implement a prototype device to protect an egg from collision forces when dropped from a given height.

Core Idea: Physical Science: PS3: Energy

Standard: HS-PS3-4: Plan and conduct an investigation to provide evidence that the transfer of thermal energy when two components of different temperature are combined within a closed system results in a more uniform energy distribution among the components in the system (second law of thermodynamics).

Lesson: Lab: Mechanical Equivalent of Heat

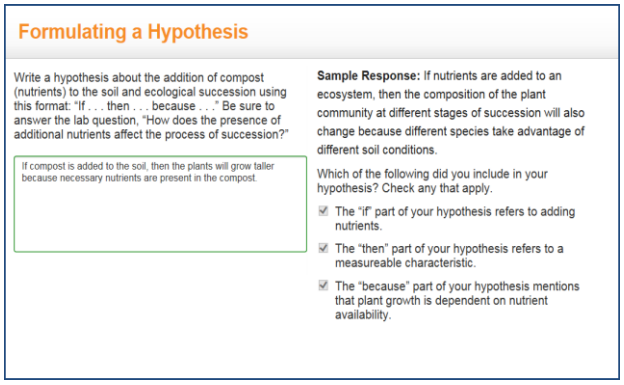
How is potential energy converted to thermal energy in a system? Students explore the conversion of energy in a system.



Rigor and Application

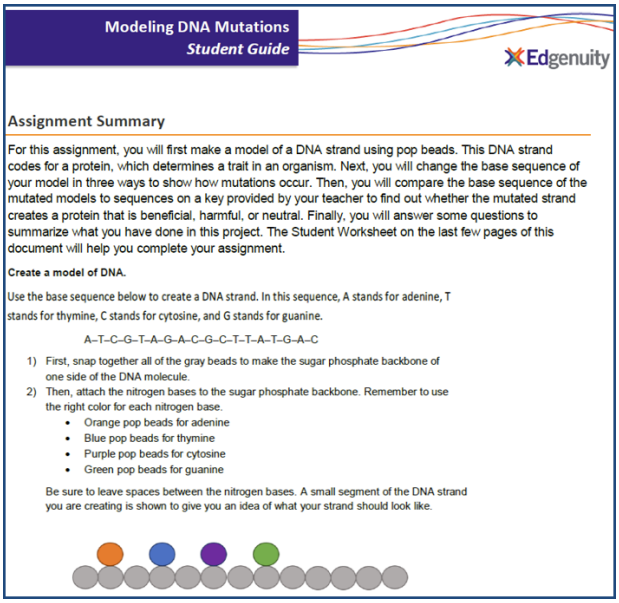
The curriculum includes the rigor and engagement to ensure students learn the fundamental skills needed to create hypotheses, write lab reports, and apply concepts to real-world problems. The content motivates students to develop their scientific skills through the following techniques:

- **Developing and Testing Hypotheses:** Students are guided through the process of writing hypotheses, an essential scientific skill. They then have the opportunity to test their hypotheses in a wet or virtual lab setting. Edgenuity's engaging laboratory experiences allow students to ask questions and explore the world around them.



- **Attending Explicitly to the Specialized Language of Science:** Students respond to short-answer questions and fill-in-the-blank questions, where they learn to develop the language of science.

- **Modeling Concepts and Evaluating Designs:** Students develop tangible models of the concepts they've learned in lessons, such as modeling DNA mutations using colored beads. Students must also evaluate and critique their own design and those of other students. By doing so, students learn to constructively evaluate models and relate them to real-world applications.

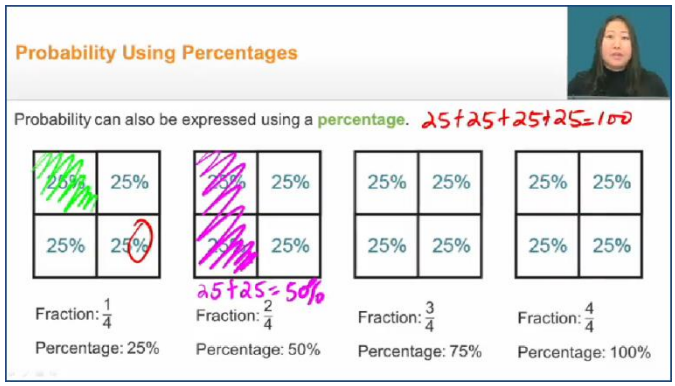


- **Utilizing Abstract Reasoning:** Students make explicit connections between scientific phenomena and the real world. They learn how to ask measurable questions and find patterns to solve problems. On-screen teachers model how to compare and contrast different strategies to solve problems. Responsibility is transferred gradually, until students can reason abstractly on their own.

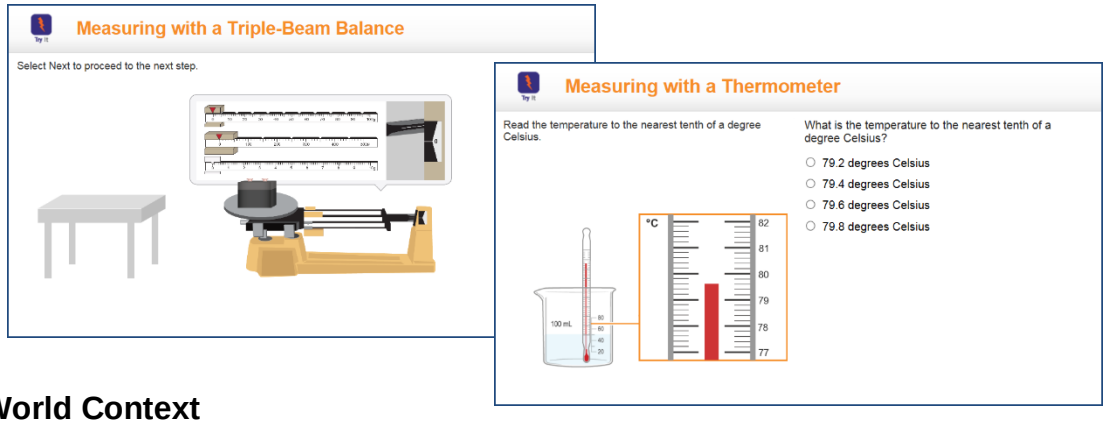
- **Developing Perseverance While Solving Problems:** Instructors model strategies while students learn processes for solving problems and demonstrate understanding. Then they work on assignments and tasks independently, explaining their reasoning and thought processes to sharpen their reasoning and problem-solving skills.

Balance

The rigor of Edgenuity's Next Generation Science Suite is balanced through the use of scaffolding, which introduces challenging concepts in a step-wise process. For example, some concepts require students to understand probability, such as the use of Punnett squares. The instructor uses a step-by-step instructional model to guide students through the math and present the information in a manageable way.

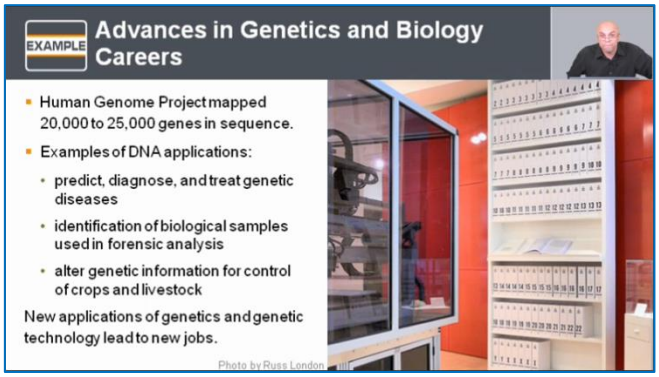


Students are also introduced to scientific and laboratory equipment, allowing them to learn how to take measurements and calibrate each instrument.



Real-World Context

The curriculum provides historical background information to help make learning relevant. Students are also exposed to real-world examples and interactives that provide opportunities for them to make predictions that set the stage for learning new concepts or solidifying prior learning. Students are asked to create, model, design, predict, calculate, explore, and write.



Student Experience

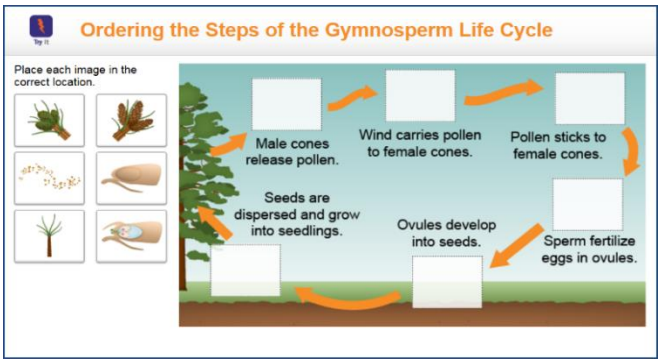
Students using Edgenuity's science curriculum have the resources needed to monitor their own learning, work at their own pace, and adjust to the demands of the rigorous content. The curriculum provides useful features to support different learning styles, such as the following:

- Multiple means of representation, expression, and engagement, making lesson content appropriate for students with diverse learning styles and abilities
- Adaptability for slower or faster paced learning and an exclusion of mastered content option
- Show me tutorials to model strategies during independent practice

The content is engaging, motivating, memorable, and highly interactive. The unique direct instruction video presentations embedded in every lesson feature expert, experienced teachers modeling key strategies. The instructional design incorporates established principles of effective and explicit instruction that contribute to student achievement by:

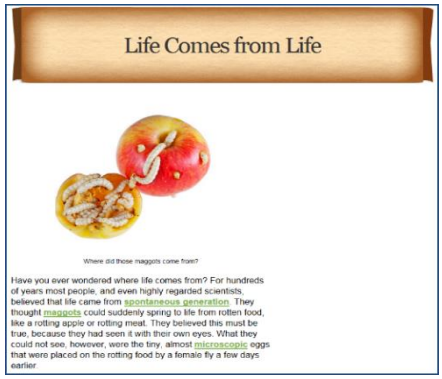
- Establishing a clear lesson purpose, goals, and expectations
- Presenting instruction in small, manageable segments
- Providing clear instruction, including examples and modeling
- Providing opportunities for practice with varying levels of scaffolded support
- Conducting frequent checks for understanding with appropriate feedback
- Incorporating reviews spread out over time

Motivating media-rich assignments engage students with highly interactive instructional tools to build knowledge and essential skills. Critical thinking, problem solving, analysis, integration, and synthesis abilities are embedded in the lesson activities. The meaningful assignments ensure students master key concepts as they solve problems, read, write, explore, create, practice, predict, and make real world applications. Vetted and secure online resources provide additional practice.



Students have the opportunity to solve sequential events in a highly interactive assessment.

The curriculum is designed to provide students with multiple exposures to key content and to connect the new to the known. Students receive constant feedback and reinforcement during instruction, guided practice, and independent practice. This feedback helps students build analytical skills and strategies.



In addition to checks for understanding during instruction, assignments include writing assignments and real-world applications. Additionally, students can investigate topics in greater depth using Edgenuity's Close Reader™. This reading environment offers Teacher's Notes and audio supports to provide background information and/or prompt students to pay particular attention to important details in the text with eNotes. Students have access to highlighters to mark up important details of the text on-screen, while sticky notes enable students to record observations and question the text.

Chenoa, a student who struggled in reading due to dyslexia, discusses how blended instruction helped her jump ahead several levels.

"Blended learning has helped me understand that I struggle in certain areas and I learned what the best way for me to learn is."

Sample Lesson: "Biomes"

The sample lesson below, *Biomes,* is from the unit *Ecology*.

The content maximizes the use of technology by equipping each student with a one-on-one teacher who guides students through each new concept and models problem-solving skills via recorded instruction. Students can pause and rewind as needed for an individualized experience, making it easier for the classroom teacher to meet daily instructional goals and stay on track with the curriculum. Scaffolds within the curriculum help students self-reflect and self-monitor to deepen problem solving knowledge and skills in the real world.

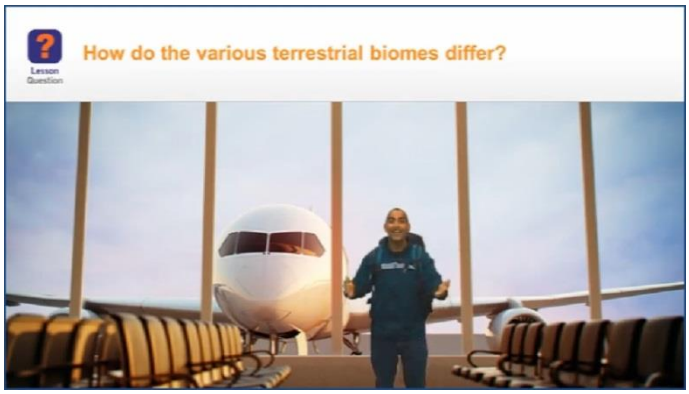
The following objectives are met in this lesson:

- **Characterize Earth's major terrestrial biomes.**
- **Identify adaptations that enable organisms to survive in distinct environments.**

Warm-up

The on-screen teacher introduces the lesson question, "How do the various terrestrial biomes differ?"

The teacher immediately engages students by telling them how excited he is to take a trip around the world to see all the different biomes. Then he introduces the lesson goals, which are to characterize Earth's major terrestrial biomes and to identify adaptations that enable organisms to survive in distinct environments. The teacher introduces the key terms used in the lesson, including terrestrial, biome, climate, temperate rain forest, and tropical rain forest. He instructs students to pause the video, record the lesson vocabulary in their eNotes, and use the glossary to define each term.



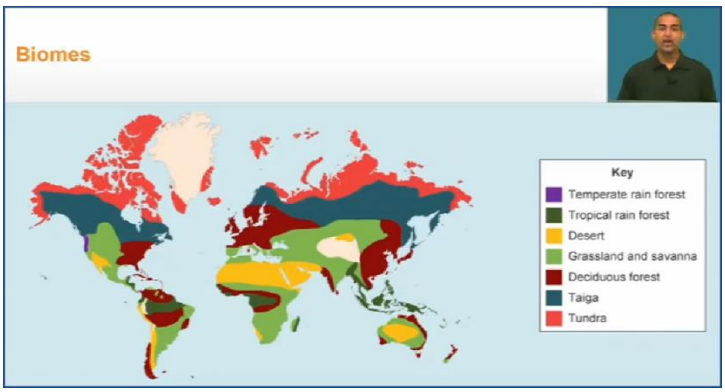
The lesson warm-up engages students by using a real-world scenario.

The teacher then reviews ecosystems and uses a cheetah to show how organisms adapt to live in a given ecosystem. The teacher points out that cheetahs have "tear marks" from the corners of their eyes down to their mouths. These marks help reduce glare from the sun so that a cheetah can see better while hunting during the day. The teacher then provides a real-world example to help students understand these markings: a football player puts black marks under his eyes to help reduce the glare from the sun so he can focus on catching the ball. In the same way, the "tear marks" seen on a cheetah help the cheetah focus on catching her prey! At the end of the warm-up, students complete a task to choose which animal is best suited to a snowy environment, a white fox.

Instruction

The teacher returns to another scene in a different airport, ready to explore Earth's tropical rain forests. The teacher explains some of the vocabulary words before having them examine Earth's terrestrial biomes on a map. Though the map contains a lot of information, the teacher gradually steps through each of the biomes shown and reminds students that each biome will be visited in more detail throughout the lesson. He asks them to find where they live on the map to make the information more relevant. He also mentions that there can be more than one biome within the same continent, country, or even state!

For each of the seven biomes shown on the map, the teacher describes its location, its average temperature, the amount of rain it receives annually, and the various plant and animal species found in that biome. The adaptations necessary for a plant or animal to survive in a particular biome are also highlighted. For example, in the desert, plants and animals have to adapt high temperatures and little water. The teacher points out that cacti have specialized stems that are able to store water for long periods of time, such as a saguaros cactus, which can store up to 200 gallons of water! He goes on to talk about an amazing desert-dwelling creature, the Gila monster. Gila monsters can absorb water from the urine in their bladder and reuse it to stay hydrated.

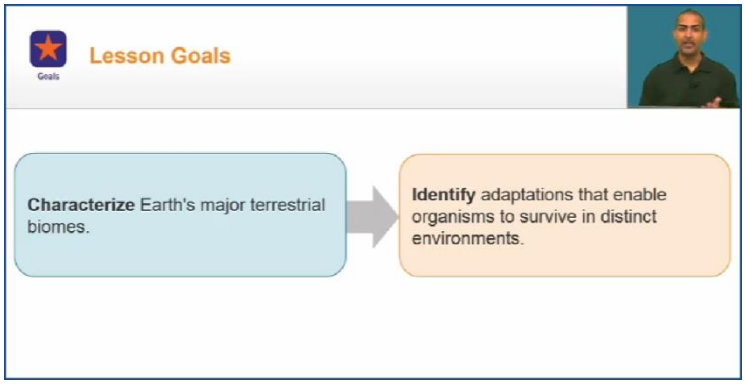


The teacher describes each of the various biomes found on Earth.

Throughout the instruction, students are presented with questions that allow them to reflect on what they've learned. Students are asked to compare and contrast biomes and to identify different plant and animal adaptations.

Summary

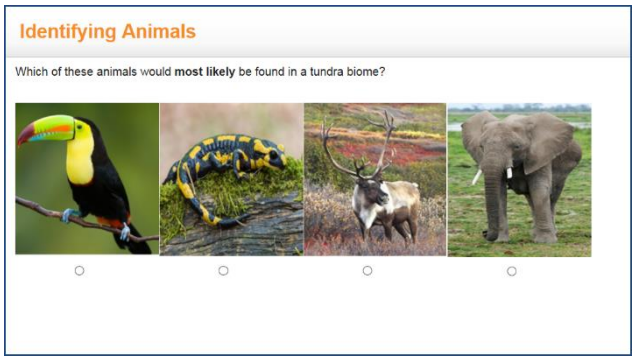
In the summary, the teacher returns home after his trip around the world. He reviews vocabulary and revisits the same graphic organizer found in the warm-up, touching on the main objectives for the lesson. The teacher encourages students to reflect on what they have learned before they begin the assignment.



Assignment

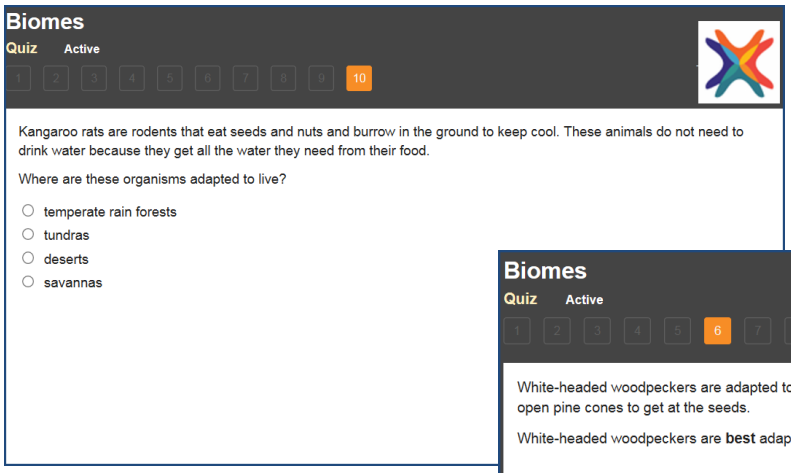
Students apply a range of problem solving skills and complete a variety of tasks during the assignment, including the following:

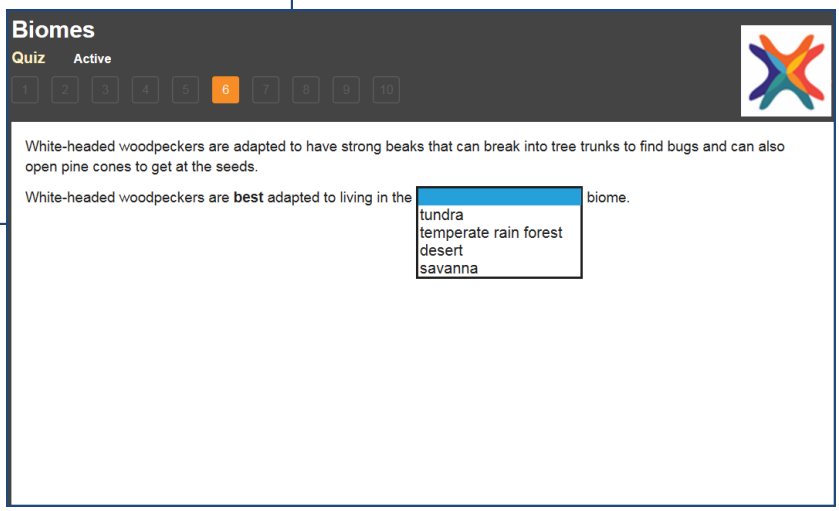
- Describing Biomes
- Identifying Adaptations
- Comparing Biomes
- Identifying Various Biomes
- Linking Adaptations and Biomes
- Identifying Animals within Biomes



Quiz

Finally, students take a 10 question quiz designed to assess whether they have mastered the concepts in the lesson. Sample questions appear below:

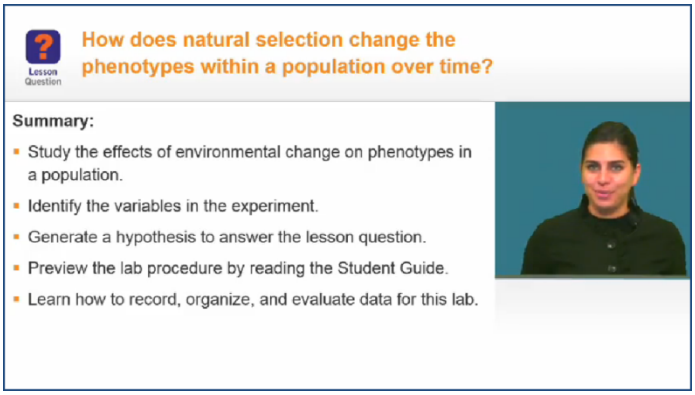




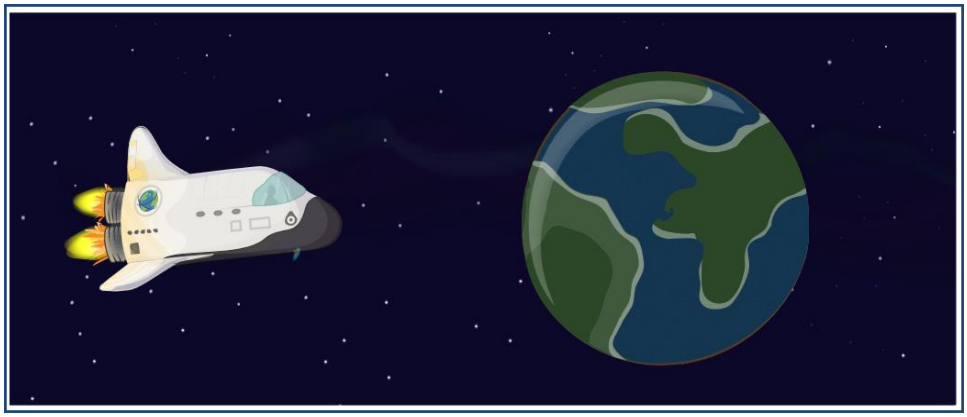
Sample Virtual Lab: "Natural Selection"

The sample virtual lab below, *Natural Selection,* is from the unit *Evolution*.

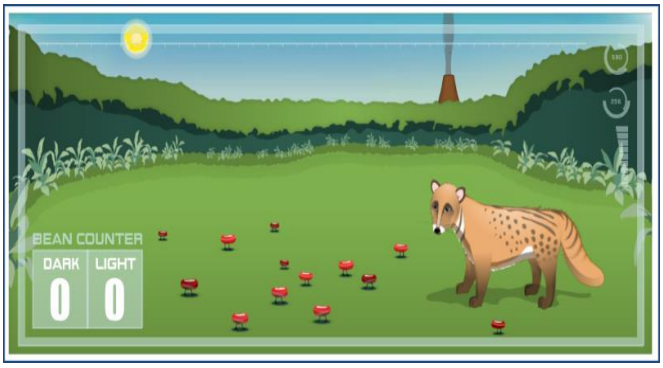
Virtual labs begin with an overarching question, such as "How does natural selection change the phenotypes within a population over time?" The instructor then presents a suscinct yet thorough review of the main concepts taught in previous lessons. This sets the stage for success so students can activate prior learning and apply their knowledge to the investigation. The instructor then gives an overview of the lab scenario, helping students correctly identify the idependent and dependent variables in order to write a hypothesis before the lab begins.



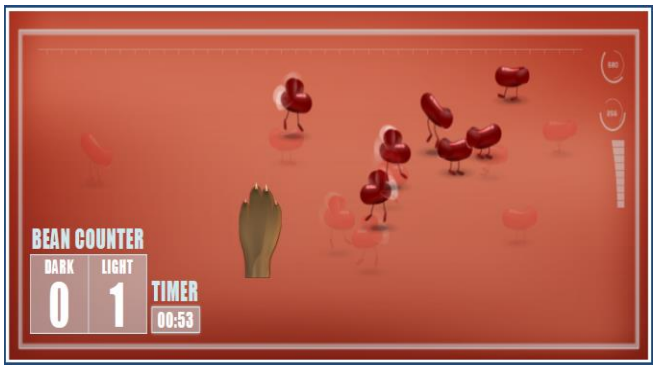
All virtual labs in the science courses are highly engaging and interactive. The labs maximize the use of animations and highly detailed visuals, such as the ones shown below for this lab. Scaffolds within the curriculum help students self-reflect and self-monitor to deepen problem solving and data collection skills.



In this lab, students visit an imaginary planet called Oopsa, home to a newly discovered creature, the Zocco. Planet Oopsa is experiencing vocanic activity, spewing hot volcanic dust into the air. This volcanic activity creates a red haze which camoflauges one of the Zocco's main prey: light red walking beans. The other bean-type, dark red walking beans, are easier to spot through the haze.



Students get to play the role of the Zocco, eating as many beans as they can in one minute. Due to the volcanic pollution, the light red beans are difficult to see and so fewer are eaten; the surviving beans reproduce at night. Students collect data to see how the phenotypes of each bean type change after the volcano erupts. Students use their data to construct graphs, an important skill necessary in both math and science.

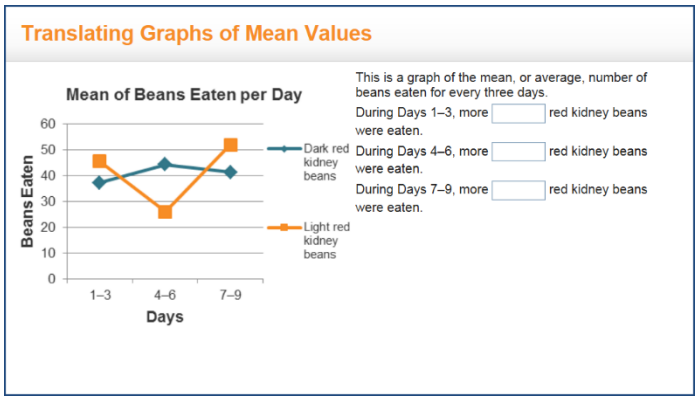


This imaginative scenario allows students to witness natural selction in action, and engages students by making them the predator. Students learn that the environment can detrimentally affect the survivial of some species, while promoting the survivial of other species. Over time, the ratio of species changes in response to the environment.

Assignment

After the virtual lab, students have a chance to reflect on the lab before completing the lab report. Students apply a range of problem solving skills and complete a variety of tasks during the assignment, including the following:

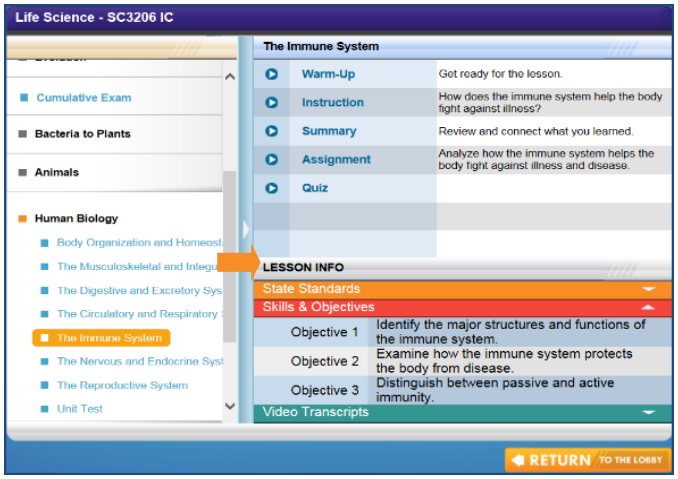
- Identifying the Independent and Dependent Variables
- Interpreting Graphs
- Translating Graphs of Mean Values
- Identifying the Cause
- Identifying Conditions for Natural Selection
- Examining the Repopulation
- Reading Graphs
- Explaining the Phenotype Change



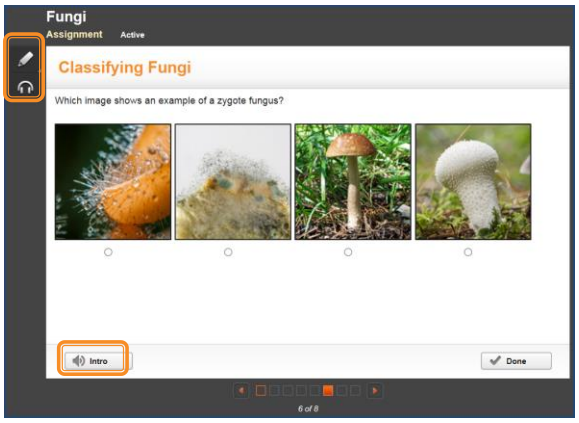
Learner Supports

Supports and scaffolds help students learn organizational skills and to self-reflect and self-monitor as they deepen knowledge and skills.

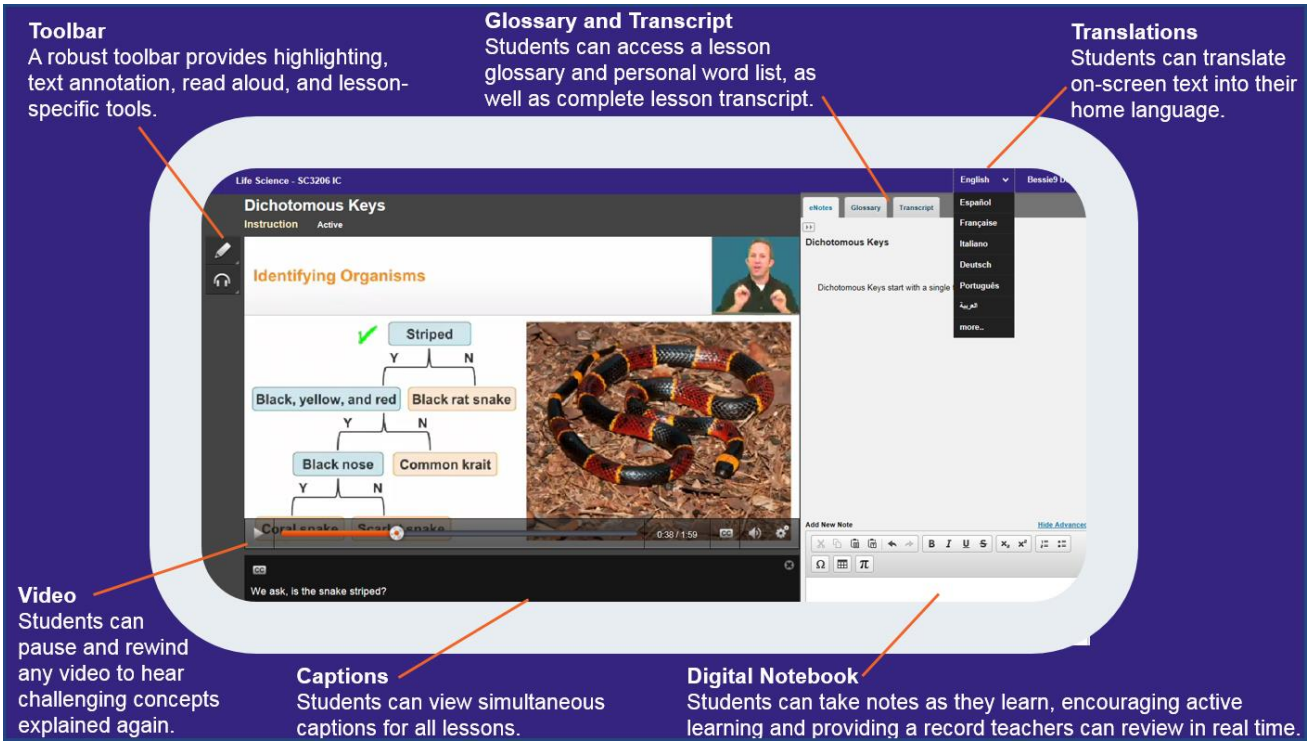
When students enter the course, they are able to see the sequence of lessons. Within each lesson, students have immediate access to the lesson objectives and standards alignments. Students simply click each lesson and section title to access their work.



Within each lesson students can access additional features that apply to the current activity, such as translation, read aloud, and text highlighting.

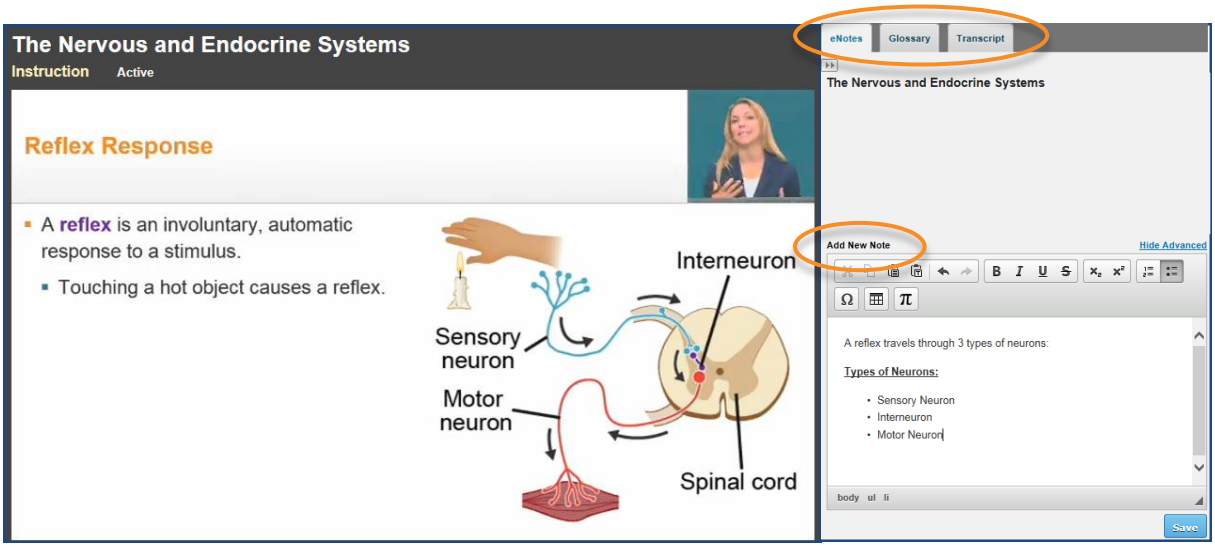


The toolbar allows students to look up words in their course, highlight text, insert notes, and access course-specific tools including calculators, timelines, and a periodic table.



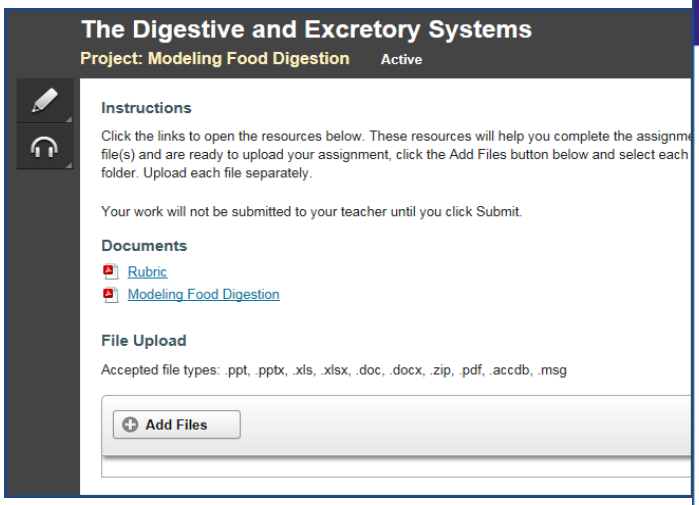
eNotes

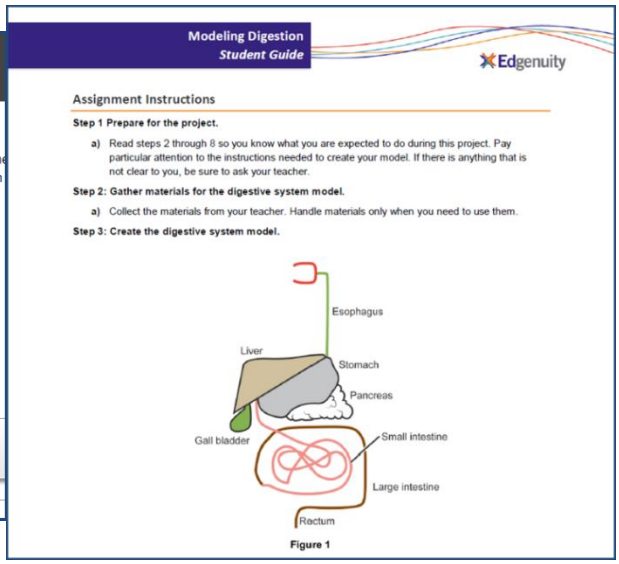
Student eNotes are a valuable resource for learning. Students can pause or stop the lesson at any time to reflect and record information in their eNotes. This tool scaffolds the learning process for students, helping them to pull out the important parts of the lesson for later use. The glossary and lesson transcripts are also available to aid in comprehension and note-taking where necessary.



Real World Application

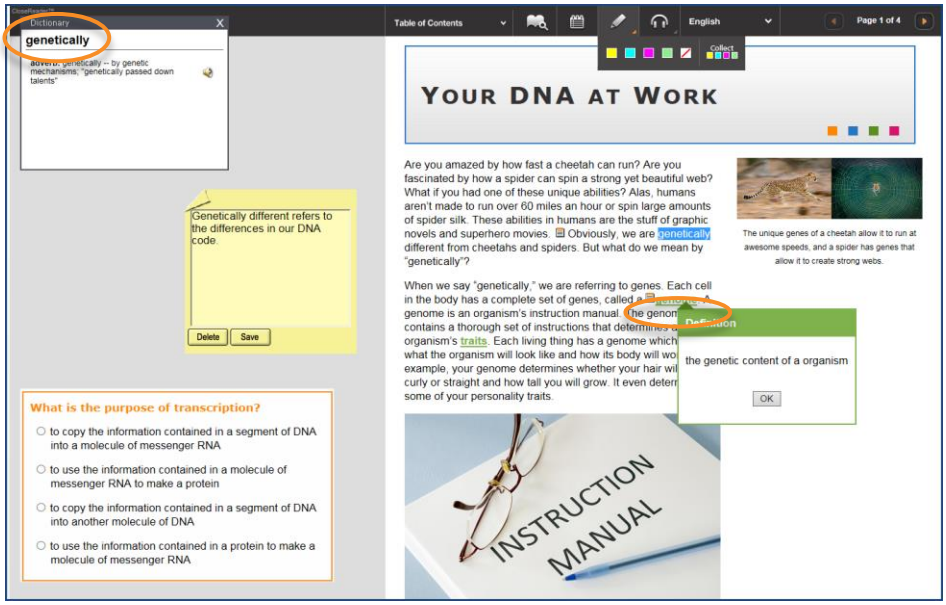
Students create original projects that help them apply new skills to real life. Some examples of student projects include multimedia presentations, brochures, posters, models, design solutions, and blogs.





CloseReader™

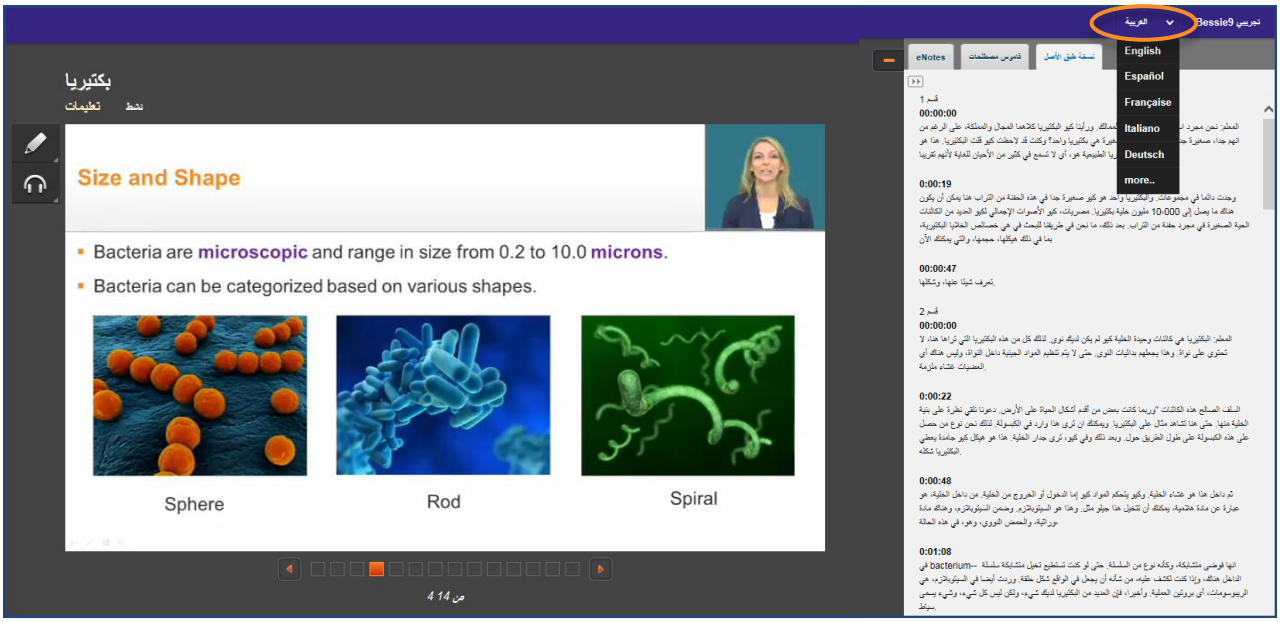
When students need additional scaffolding to engage with texts, the CloseReader™ provides scaffolds so students can hear text read aloud in five languages, translate text into seventeen languages, look up the meaning of words, and add digital sticky notes to highlight the text and help organize key ideas. Students also benefit from text- and audio-based teacher's notes at point of use, as well as embedded comprehension questions with feedback to ensure students understand what they just read.



Read-Aloud, Translation, and Transcripts

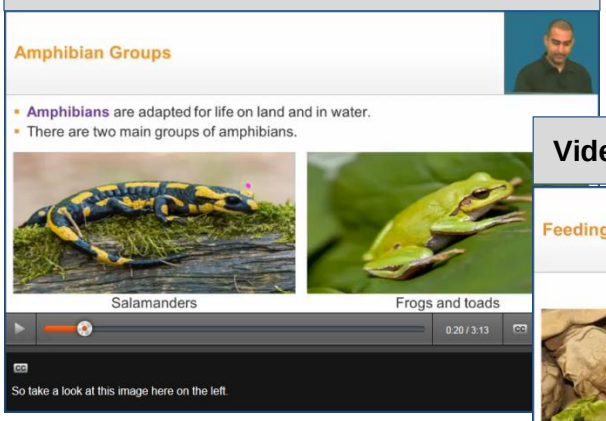
Students can hear text and vocabulary words read aloud in English, Spanish, French, German, Italian, Portuguese, or Arabic, allowing all students to interact with the text. The read-aloud provides bilingual word support.

To make content accessible to all students, text can be translated into seventeen languages, including Arabic, Armenian, Chinese, Haitian Creole, Hindi, Japanese, Korean, Filipino, Polish, Russian, Thai, and Vietnamese.

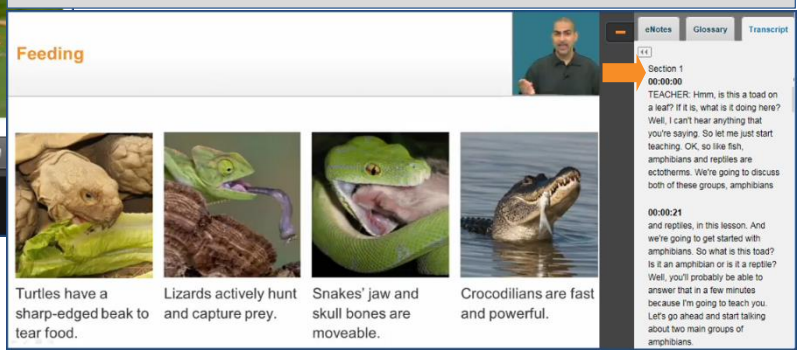


Video captions, transcripts, and word look-up provide language support for all students.

Video Captions



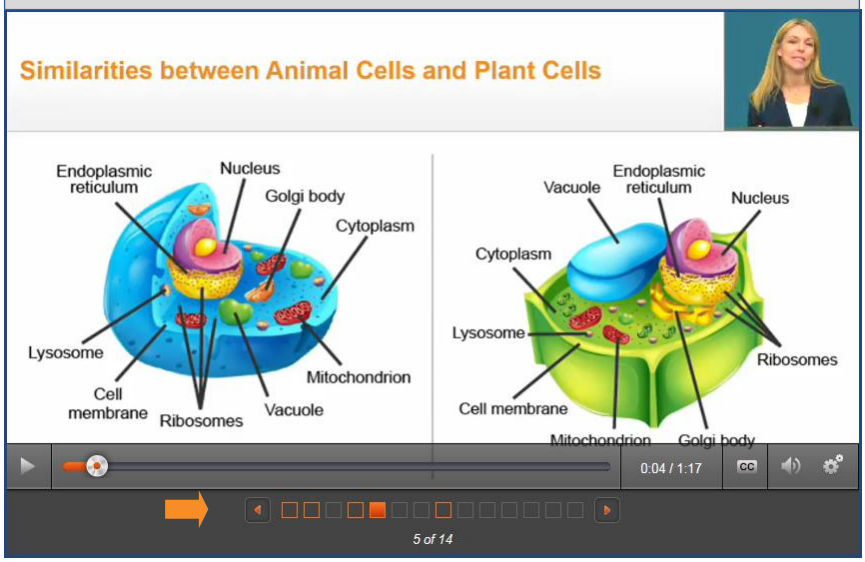
Video Transcripts



Student Controlled Pacing

Students can rewind and play instruction as needed. Once students view each video they can move freely through them to allow them to take notes and review content at their own pace. Then they can move on to check-in questions and assignments when they are comfortable with the content.

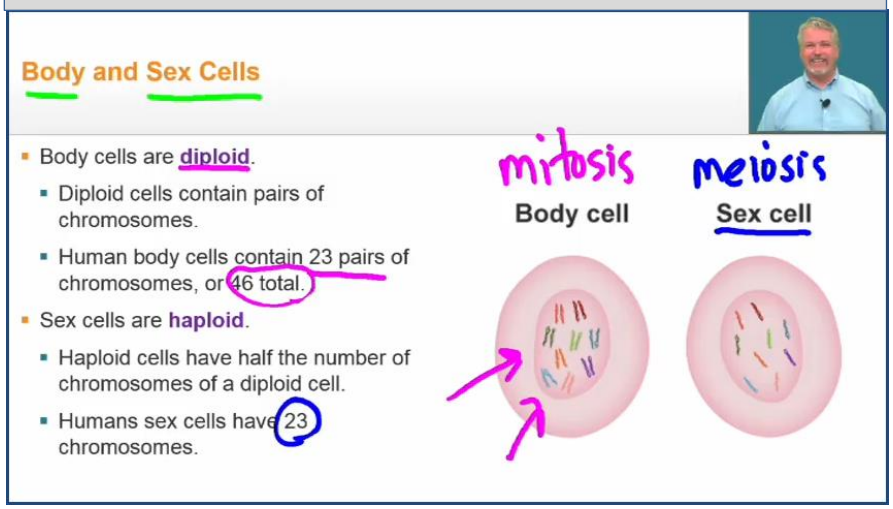
Student Control over Pacing



Unlimited Access to Instructional Video Lessons

Students can return to videos they have already watched at any time to view content they may need to review.

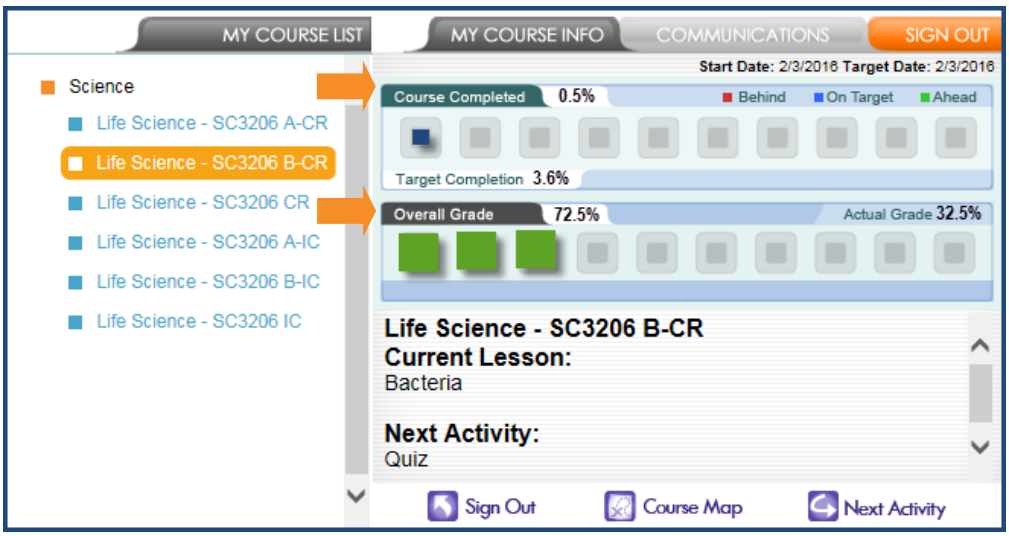
Unlimited Access to Video Lessons



Student Portal Supports

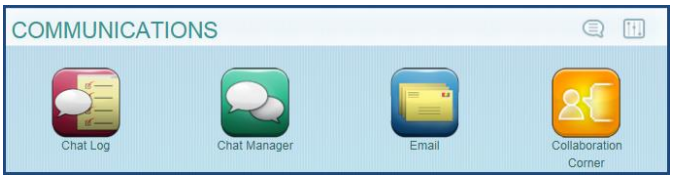
In addition to the academic supports, students find a wealth of organizational tools when they log in to the Student Portal.

Students stay on track with the help of the *My Course Info* resource, which shows them whether they are on target, behind schedule, or ahead of schedule for course completion.



The Student Organizer provides students with numerous resources, including:

- Learning resources
- Communication tools: chat, email, and the Collaboration Corner interactive online learning threaded discussion forum that promotes student to student collaboration
- Scores and teacher feedback
- Progress reports
- The Assignment Calendar for each course that is set by the teacher and helps students established daily goals
- Attendance records
- eNotes



Assessment Tools

Edgenuity provides appropriate assessments of student learning. Assessments are designed to elicit direct, observable evidence of the degree to which a student can independently demonstrate mastery of the applicable standards. The content includes four different types of assessments:

- *Diagnostic Assessment* includes a pre-test or a prescriptive assessment option. The pre-test occurs at the beginning of each course and assesses student's prior knowledge of content and establishes a customized learning path over the specific content. The prescriptive diagnostic assessment measures students' mastery of core concepts and prescribes a specific learning path to address skill gaps. Students are automatically assigned relevant, student-specific course content creating ideal instructional material based on each student's diagnostic pre-test results. The result is a personalized learning plan based on the student's specific needs.
- *Formative Assessments* embedded within a lesson check understanding of concepts and skills as they are presented. Assignments, which follow the lesson, also serve as formative assessments, including detailed lab reports that follow the steps to effective writing. By providing corrective feedback, Edgenuity's formative assessments help students understand where their gaps in knowledge exist, and learn where additional practice or support is needed.
- *Interim Assessments* occur after students finish an Edgenuity lesson. The items for these assessments are drawn from an item bank, each aligned to a specific lesson objective. Using Webb's Depth of Knowledge and Bloom's Taxonomy, items are labeled based on their level of difficulty.
- *Summative Assessments* are provided at the end of each unit and/or course to evaluate students' overall performance. These assessments include unit and semester exams, and also hands on projects that require students to apply what they learn, combined with their own research, to topics of interest and present their work through a multimedia presentation.

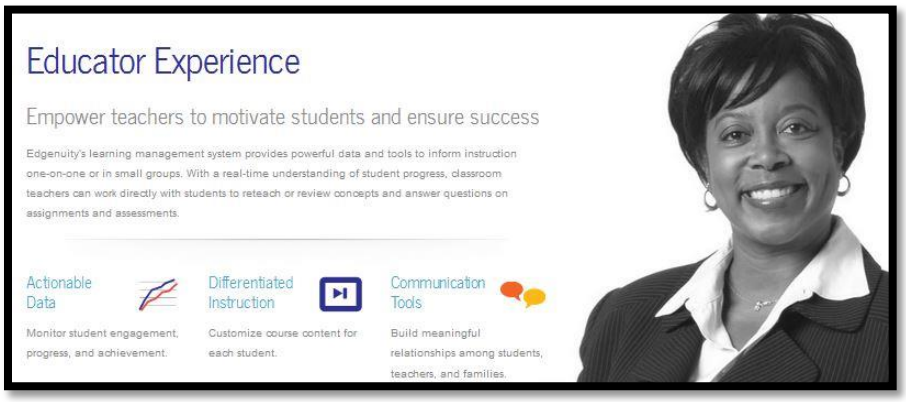
Edgenuity's assessments are designed to provide observable evidence of mastery of standards. Teachers are provided aligned rubrics, assessment guidelines, and reporting documentation to support interpretation of student performance. Rubrics and other support documentation are found in the learning management system. Assessment questions represent an even distribution along the full spectrum of Bloom's Revised Taxonomy and Webb's Depth of Knowledge.

In March 2015, Edgenuity was awarded the WebbAlign Depth of Knowledge (DOK) Partner certification from the Wisconsin Center for Education Products and Services. As the first educational provider certified as a WebbAlign Partner, Edgenuity's team has been trained by Dr. Norman Webb himself. Dr. Webb and his team reviewed sample items from our courses and provided feedback to help us improve our alignment. As a WebbAlign partner, we have committed to additional ongoing training and assessment reviews over the course of our partnership.

Educator Experience

While technology has changed how content is delivered it has not removed the student's need for individualized instruction, remediation or challenge, encouragement and motivation, and personalized feedback; support that only a teacher can provide.

Edgenuity's innovative technologies provide teachers with the resources to effectively engage and motivate students while they stay on track with demanding curriculum requirements.

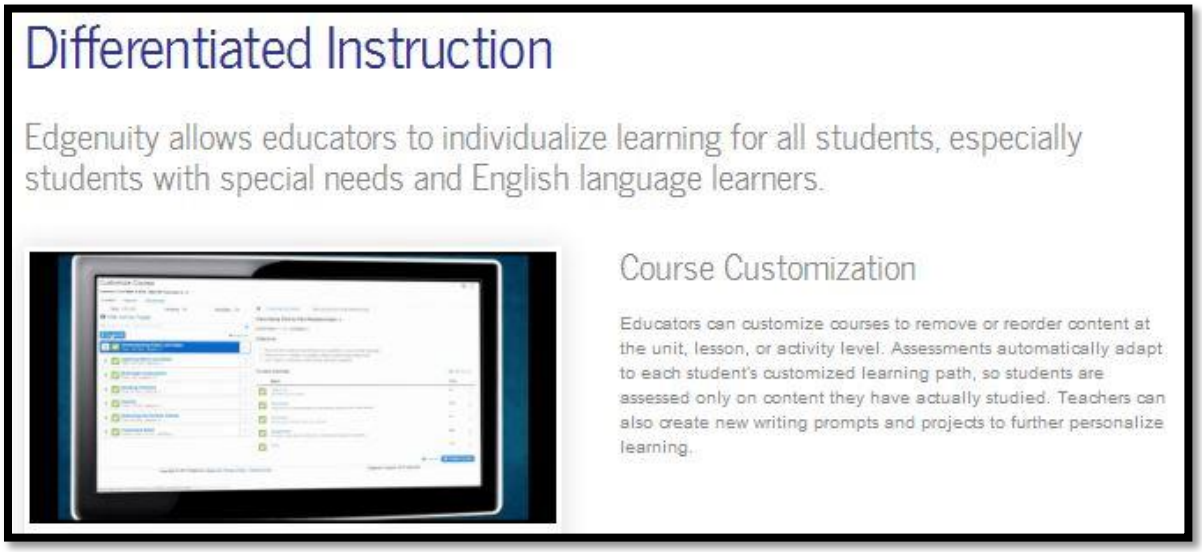


"Edgenuity made me a better teacher by helping me to release some control to the students."
~Keisha M. | Administrator

Utilizing digital curriculum in a blended classroom provides teachers with powerful data they can use to facilitate learning in innovative ways. This is a unique opportunity for teachers to build stronger relationships with students, working one-on-one or in small groups. Teachers can spend their time communicating, connecting, facilitating, providing feedback, and ultimately helping *all* students learn. When teachers are empowered to address their students' individual needs, they can focus their attention where it matters most: on student progress and achievement.

Differentiated Instruction

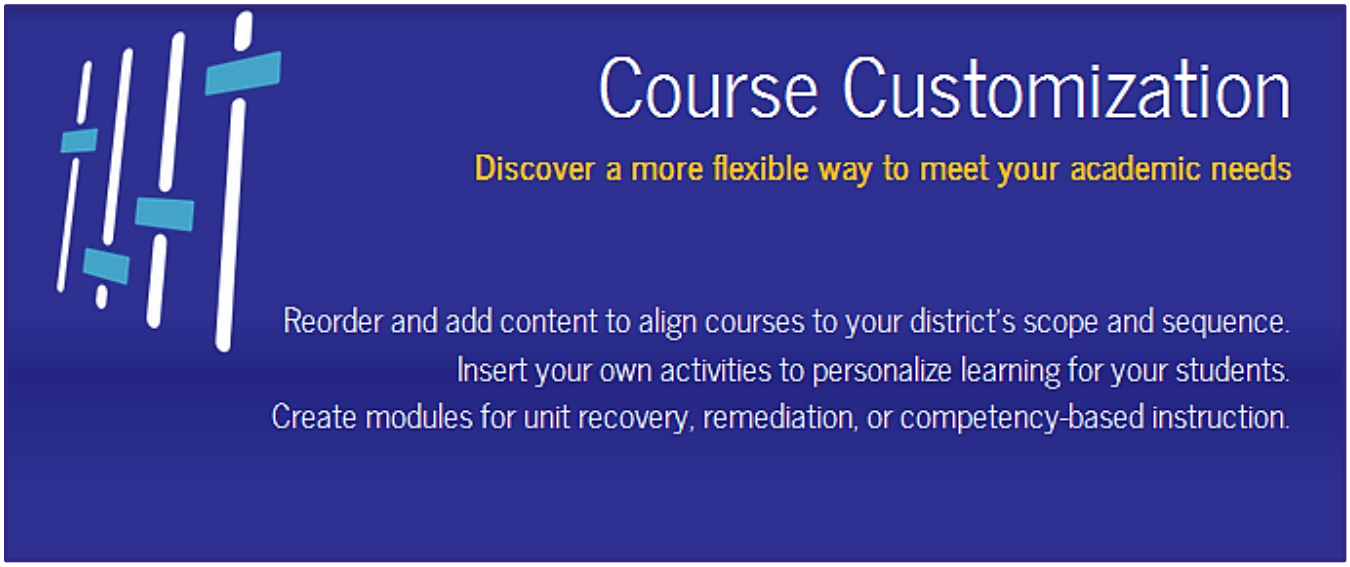
When teachers need to make adjustments to student programs, the learning management system provides them with powerful tools to maximize instruction and enhance engagement and interactivity.



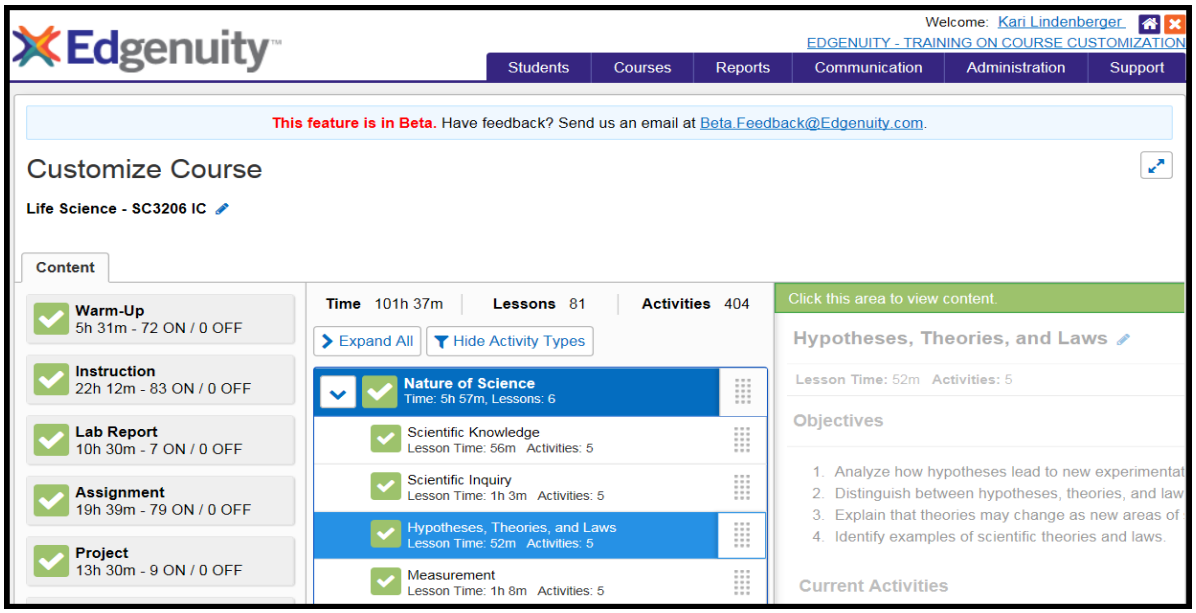
These are a few examples of the how teachers can adjust Edgenuity's content to meet individual student needs:

- Customize prebuilt course content to meet individual, group, class, and district needs and requirements.
- Facilitate learning for individuals, small groups, and full classes.
- Add applicable supplemental activities to the student's course for remediation, intervention, or enrichment.
- Author projects or writing prompts and add to prebuilt or custom courses.
- Apply accommodations and modifications to meet the individual needs of students including students with disabilities, students with IEP's, and English Language Learners.
- Assign and mediate Collaboration Corner threaded discussions.
- Review student work and add Teacher Notes to the student's lesson.
- Provide instruction and remediation for off-campus students using interactive technology tools including white boards, live chat, or other district collaboration tools.

Course Customization



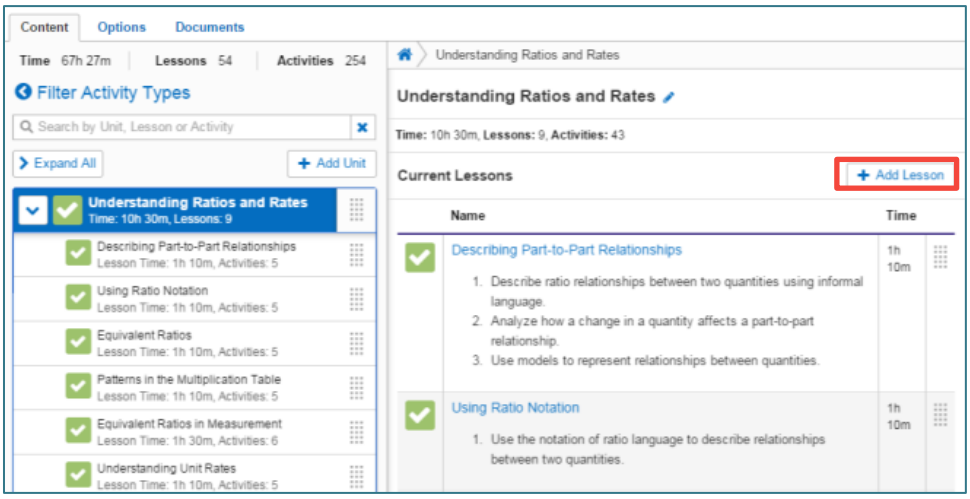
Teachers can customize content for specific students, small group instruction, or for the entire class to focus only on the standards they choose. They can also customize the assignment types students complete to provide more or fewer readings, writing assignments, projects, and other activity types, or they can provide their own direct instruction and allow students to work at their own pace through their assignments.



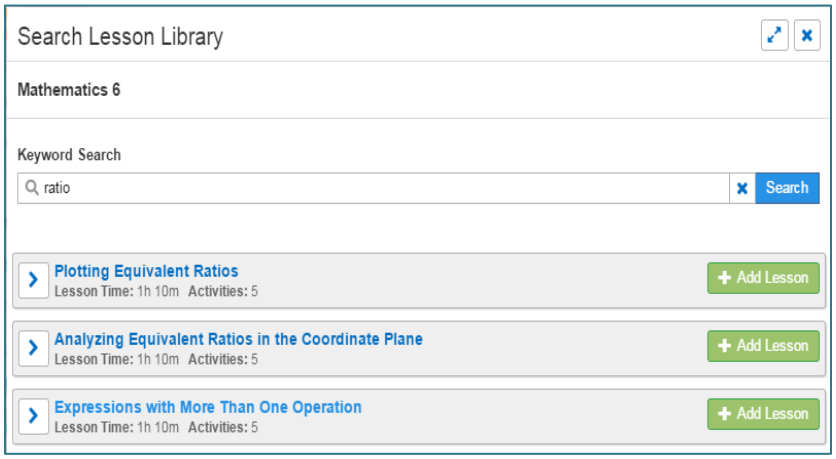
The customization tool will allow educators to view and search the entire digital library or course structure for prebuilt or custom courses, remove content (remove entire units & lessons, activities within lessons, and activities by category/type), rearrange units, lessons, and activities within lessons, insert lessons from any course a client has in their license, author and insert projects and writing prompts, and publish a customized version of the content for their use.

Insert Existing Lessons

Teachers can add lessons into a unit by clicking on a unit, clicking the "Add Lesson" button, then searching the digital content library.



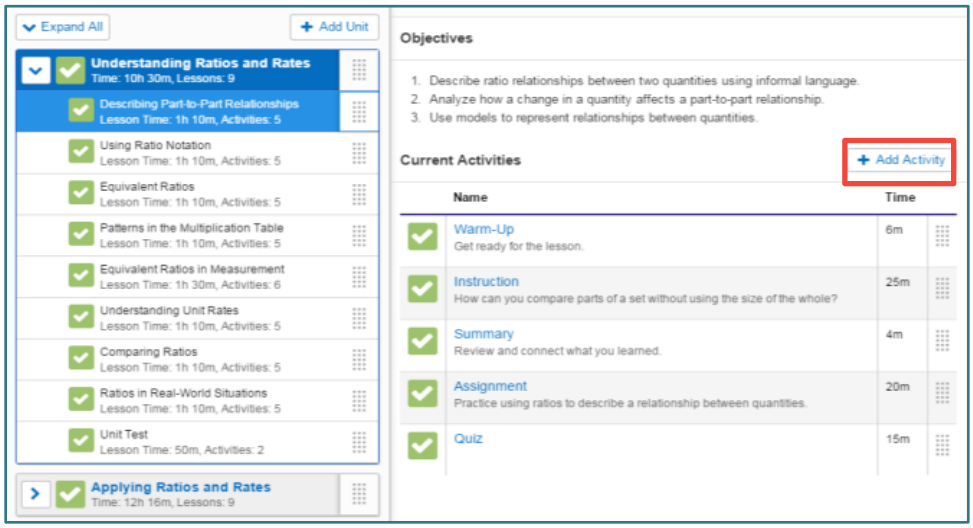
Teachers can search for new lessons in the "Keyword Search" box or they may also wish to create a new lesson to add a new project or writing prompt as a new lesson.



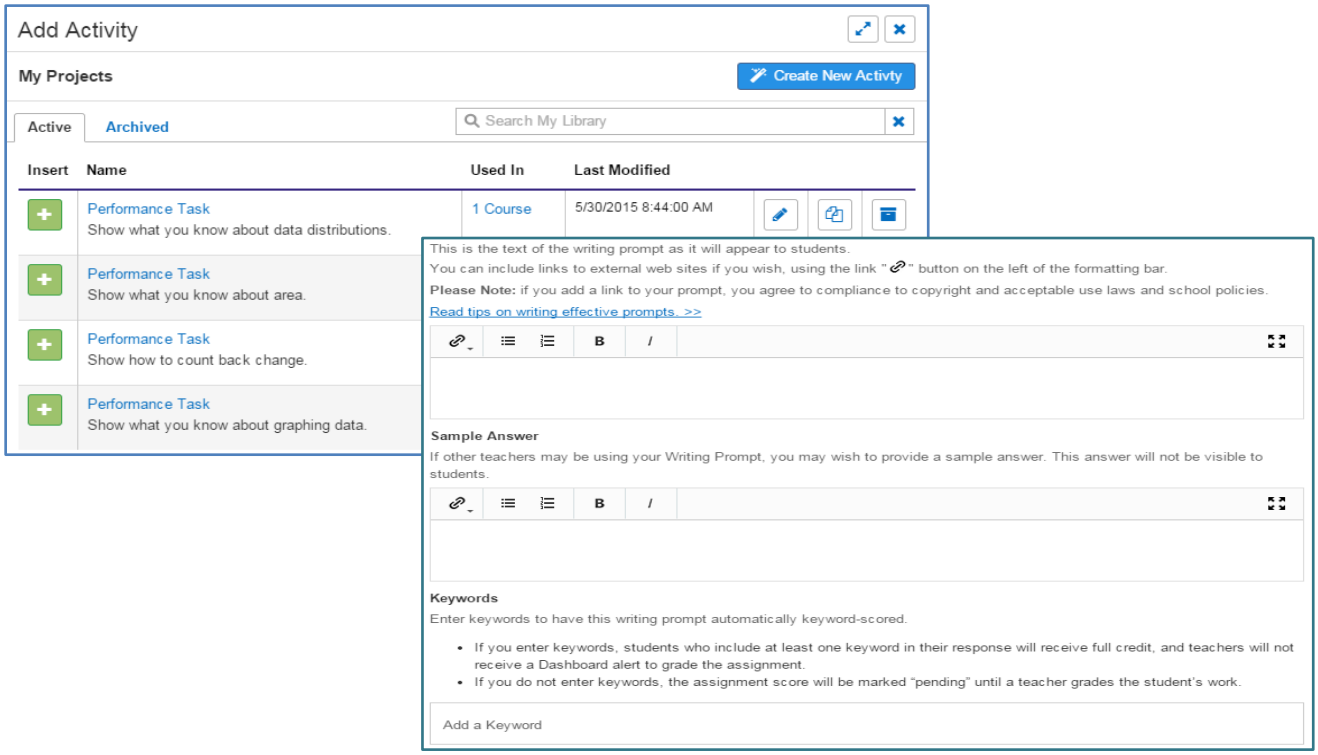
After a teacher adds a new lesson he/she may wish to change where that lesson appears and can easily drag and drop it to a new location.

Author and Insert New Activities

Teachers can create their own projects and writing prompts and add them to an existing lesson (or create a new lesson with just these new activities). This may be used to challenge a group of students, to provide a remediation opportunity for others, and/or in place of an Edgenuity activity that they may have removed from the course.

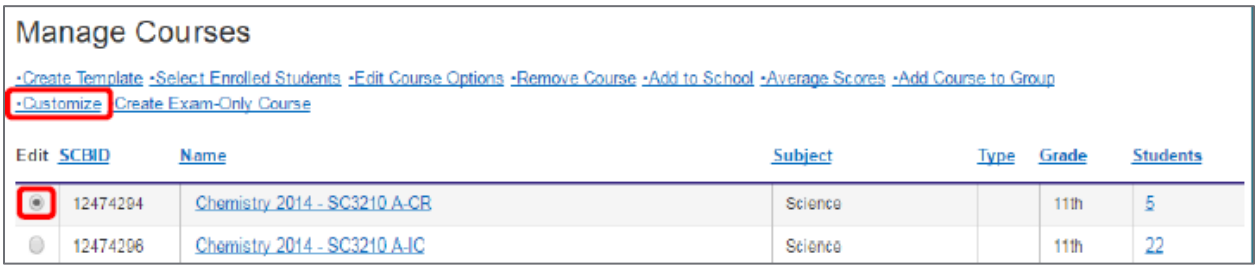


Teachers can either add a previously created project or create a new one.



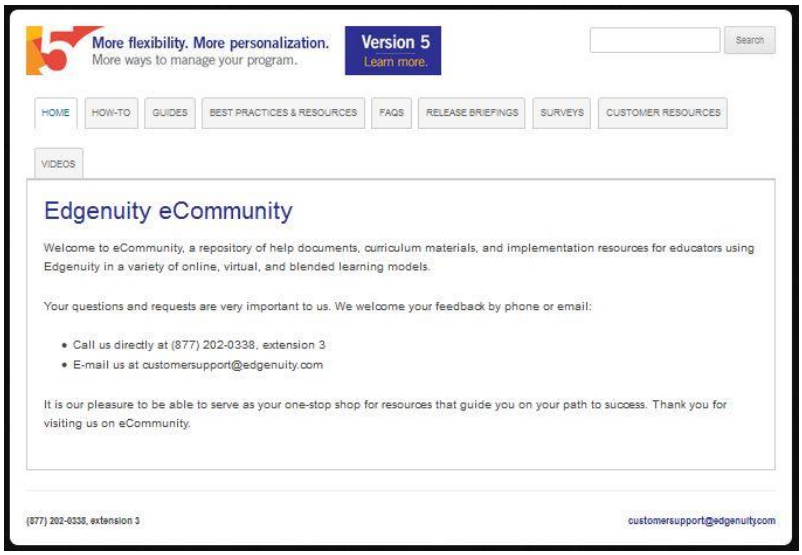
Customize In-Flight

Permissioned educators can remove and restore content for students with in-flight enrollments.



Educator Resources

Customer support and technical support are available via telephone, email, chat, and Go-to-Meeting if needed. Teachers also have access to system documentation and curriculum resources in eCommunity. The eCommunity page contains links to a number of online resources, user manuals, and videos that provide training for daily needs as well as best practices to extend, re-teach, and supplement instruction. The resources in eCommunity include how-to guides for teachers that range from typical daily tasks to advanced functions within Edgenuity's learning management system.

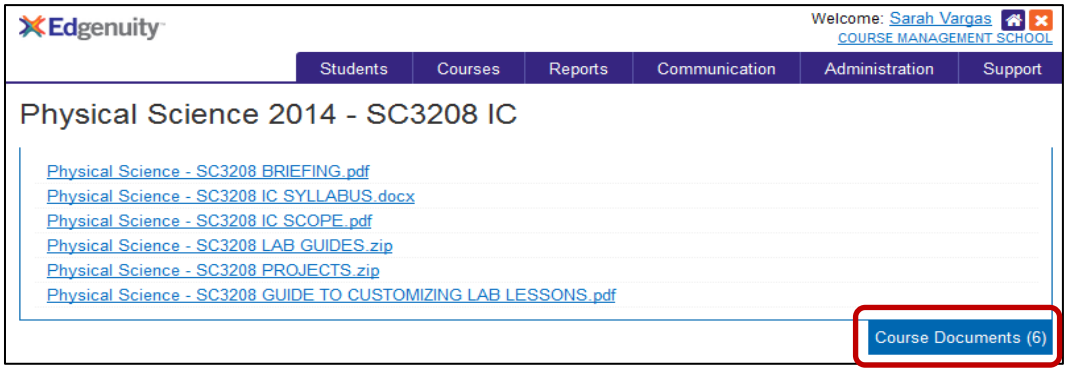


Teachers are also provided with best practice resources and other tools that can be useful in the classroom. These resources include webinars, links to helpful websites for each subject, classroom posters and tools, community outreach resources, Spanish Language resources, and much more.

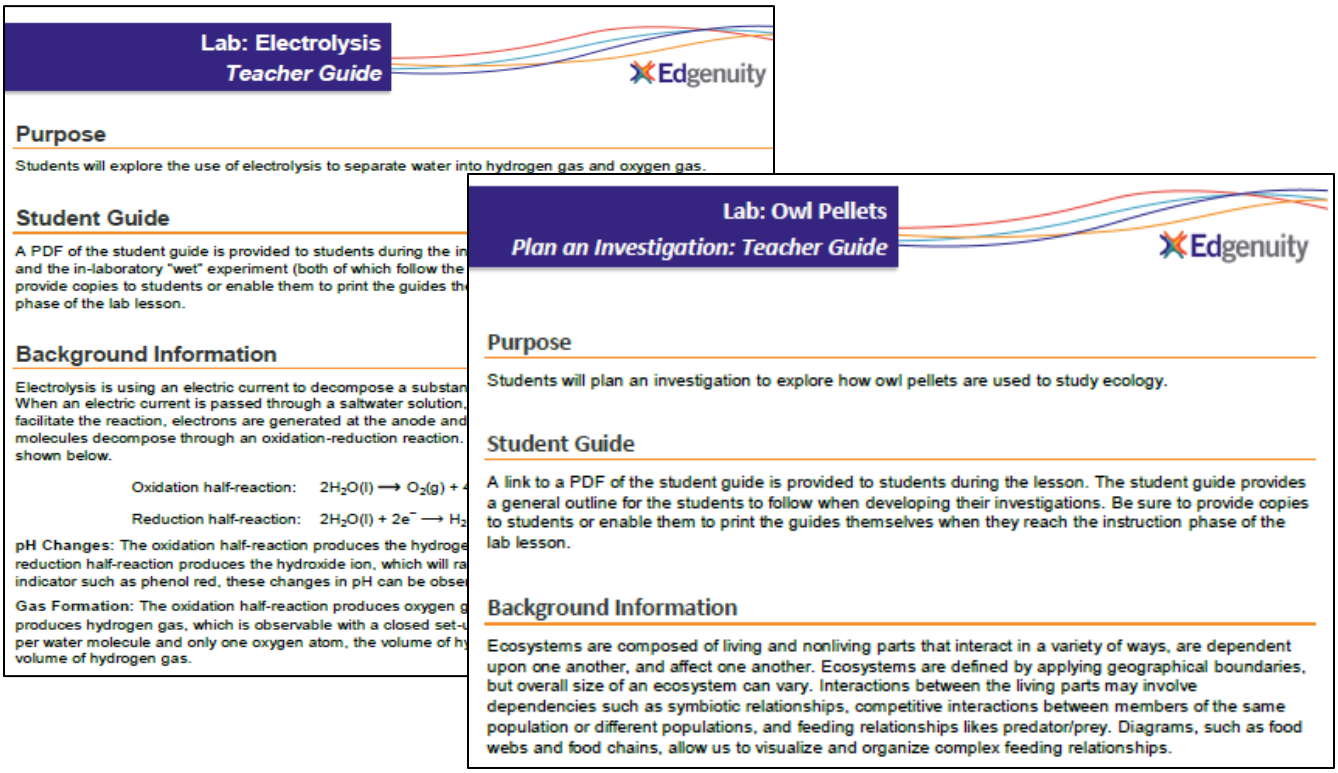
Course Specific Resources

Teachers also have access to content-specific resources provided within the LMS. These resources include rubrics, answer keys, project overviews and guides, lab guides, course documentation such as syllabi and course alignments, and other how-to guides such as course customization guides for prebuilt courses.

The course-specific resources can be found by expanding the *Course Documents* section of the course view page.



The science content is accompanied by detailed lab guides for both virtual and wet labs. The lab guides include a teacher version for both types of labs, a student version for the wet labs, and also teacher guides and overviews for the labs that allow students to plan their own investigations.



Lab resources also include guides and rubrics for the detailed lab reports that students complete in response to the lab experiments.

Middle School Lab Report Guide

Edgenuity

Directions

Now that the lab is complete, it is time to write your lab report. The purpose of this guide is to help you write a clear and concise report that summarizes the lab you have just completed.

The lab report is composed of four sections:

Section I: Experimental Overview
- Provide background information.
- Include the hypothesis(es).
- Summarize the procedures.

Section II: Data and Observations
- Summarize the data you collected in the lab guide.
- Include information from data tables.
- Include any written observations that are relevant.

Section III: Analysis and Discussion
- Discuss any important calculations or formulas used.
- Identify key results, what the results indicate, and any trends in the data.
- Include graphs (if constructed) that display trends in the data.
- Provide possible reasons for any problems with the experiment, or unexpected data.

Section IV: Conclusions
- Identify if the hypothesis(es) was (were) supported or refuted.
- Provide logical reasoning based on data.
- Explain how the experiment could be improved.

Rubrics and guides are provided for course projects and essays as well.

Multimedia Presentation Rubric

Edgenuity

	Requirements	Content	Organization	Language and Conventions	Sources
Descriptors	The extent to which all required components are met or exceeded.	The extent to which the topic is addressed using specific, accurate, and relevant details.	The extent to which the presentation demonstrates structure and flow.	The extent to which wording is appropriately chosen, and grammar, punctuation, and spelling are correctly implemented.	The extent to which sources are appropriately chosen and properly cited.
Weight (%)	20	30	20	20	10
6	**Very Effective** All requirements are met and exceeded.	**Very Effective** Covers the topic in-depth with details and examples when needed. Subject knowledge is excellent.	**Very Effective** Demonstrates a well-organized structure and flow. Consistently uses headings or bulleted lists to group related material.	**Very Effective** Demonstrates proper word choice. There are no errors in grammar, punctuation, and spelling.	**Very Effective** All source information for facts and graphics is collected and properly cited.
5	**Good** All requirements are met.	**Good** Includes essential information about the topic with details and examples when needed. Subject knowledge appears to be good.	**Good** Demonstrates an organized structure and flow. Often uses headings or bulleted lists to group related material.	**Good** Demonstrates good word choice. Few errors in grammar, punctuation, and spelling that do not significantly interfere with communication of content.	**Good** All source information for facts and graphics is collected, but some of the information is not properly cited.

The science content also include a lab safety agreement with a complete list of lab safety rules they can have students and parents sign prior to completing the wet labs.

Lab Safety Agreement

Edgenuity

Purpose

Science is about discovery, and one way to make discoveries is through laboratory investigation. This safety agreement provides a set of rules to ensure your safety in the laboratory.

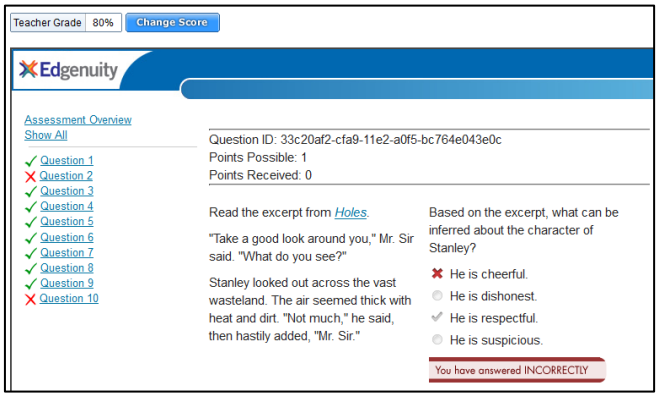
Please read the rules, and then sign this agreement, signifying that you understand the rules and agree to follow them throughout the entire course.

To ensure that everyone is committed to safe laboratory practice, a parent or guardian must also sign the agreement. This form must be signed and returned before you will be allowed to participate in any labs.

Laboratory Safety Rules

1. Always conduct yourself in a safe and responsible manner in the lab. Horseplay, running, yelling or shouting, fighting or throwing objects of any kind is prohibited in the classroom.
2. Follow all instructions carefully. Ask questions if you do not understand instructions.

Additionally, teachers have access to student assessments and assignments. Correct answers are provided for all questions and teachers receive a report of the objectives for each question so that they can provide extra practice when students have not demonstrated mastery of objectives.



Teacher Grade 80% Change Score

Edgenuity

Assessment Overview
Show All

✓ Question 1
✗ Question 2
✓ Question 3
✓ Question 4
✓ Question 5
✓ Question 6
✓ Question 7
✓ Question 8
✓ Question 9
✗ Question 10

Question ID: 33c20af2-cfa9-11e2-a0f5-bc764e043e0c
Points Possible: 1
Points Received: 0

Read the excerpt from *Holes*.

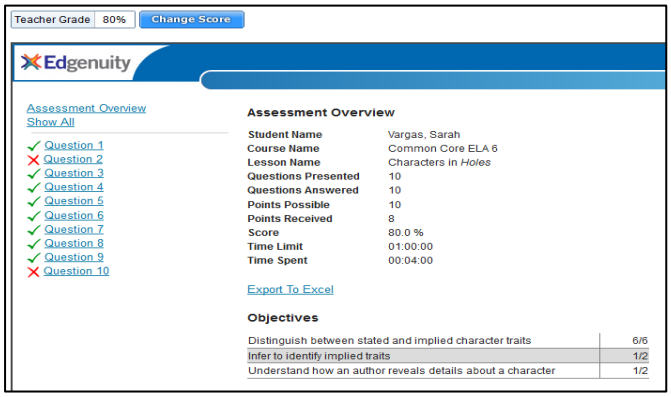
"Take a good look around you," Mr. Sir said. "What do you see?"

Stanley looked out across the vast wasteland. The air seemed thick with heat and dirt. "Not much," he said, then hastily added, "Mr. Sir."

Based on the excerpt, what can be inferred about the character of Stanley?

✗ He is cheerful.
He is dishonest.
✓ He is respectful.
He is suspicious.

You have answered INCORRECTLY



Teacher Grade 80% Change Score

Edgenuity

Assessment Overview
Show All

✓ Question 1
✗ Question 2
✓ Question 3
✓ Question 4
✓ Question 5
✓ Question 6
✓ Question 7
✓ Question 8
✓ Question 9
✗ Question 10

Assessment Overview

Student Name	Vargas, Sarah
Course Name	Common Core ELA 6
Lesson Name	Characters in *Holes*
Questions Presented	10
Questions Answered	10
Points Possible	10
Points Received	8
Score	80.0 %
Time Limit	01:00:00
Time Spent	00:04:00

Export To Excel

Objectives

Distinguish between stated and implied character traits	6/6
Infer to identify implied traits	1/2
Understand how an author reveals details about a character	1/2

Teachers can review student work at any time and leave written feedback for students to review later.

What is Biology?
Warm-Up Complete
80% Attempt 1
You did great here. Make sure you finish the activity next time.
- Deborah Rayow Submitted 1/28/2016
What Is Biology?

Progress Monitoring

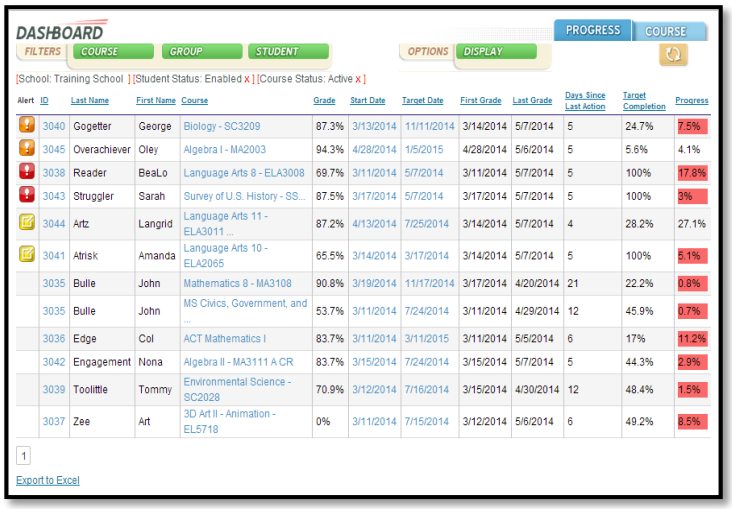
With the help of our robust suite of reporting tools, teachers can monitor the performance and progress of individual students or multiple students at once, including overall grades, percentage of work completed, assignments completed, and other essential information.

Dashboard

Teachers use the powerful Dashboard student monitoring and alert system to stay up-to-date on student progress. Red alerts notify teachers of students needing immediate attention.

The Dashboard helps teachers to:

- Identify and help students who are prevented from progressing in their courses
- Identify student who are falling behind in order to provide additional support
- Monitor student progress and update student or course information
- View amount of time since last student action
- Manage specific groups of students
- View target completion dates
- Review student grades



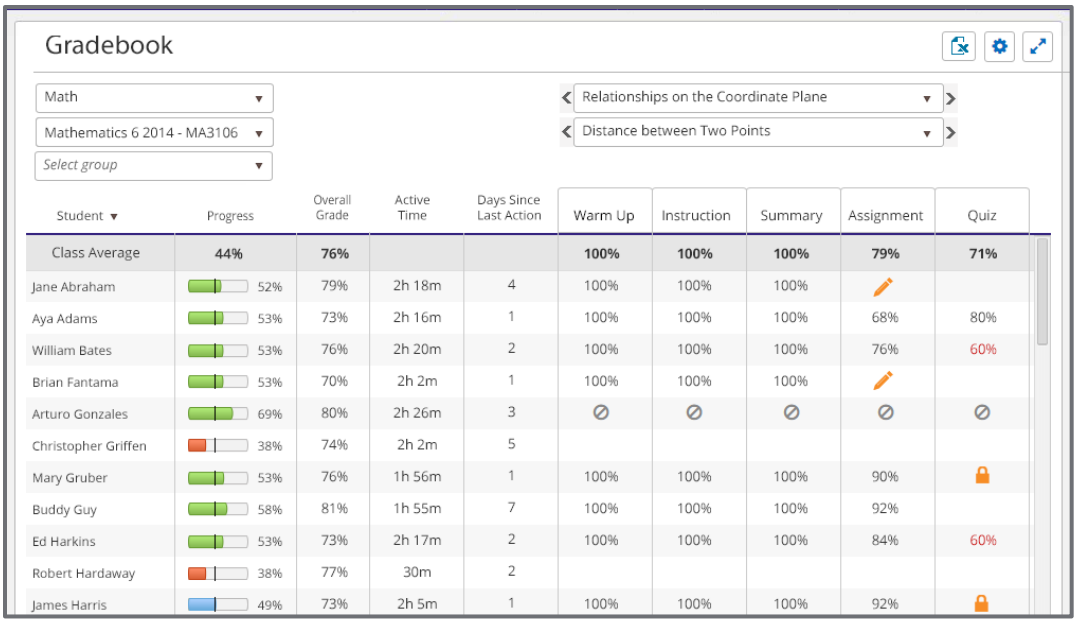
Alert	ID	Last Name	First Name	Course	Grade	Start Date	Target Date	First Grade	Last Grade	Days Since Last Action	Target Completion	Progress
	3040	Gogetter	George	Biology - SC3209	87.3%	3/13/2014	11/11/2014	3/14/2014	5/7/2014	5	24.7%	7.5%
	3045	Overachiever	Oley	Algebra I - MA2003	94.3%	4/28/2014	1/5/2015	4/28/2014	5/6/2014	5	5.6%	4.1%
	3038	Reader	BeaLo	Language Arts 8 - ELA3008	69.7%	3/11/2014	5/7/2014	3/11/2014	5/7/2014	5	100%	17.8%
	3043	Struggler	Sarah	Survey of U.S. History - SS...	87.5%	3/17/2014	5/7/2014	3/17/2014	5/7/2014	5	100%	3%
	3044	Artz	Langrid	Language Arts 11 - ELA3011 ...	87.2%	4/13/2014	7/25/2014	3/14/2014	5/7/2014	4	28.2%	27.1%
	3041	Atrisk	Amanda	Language Arts 10 - ELA2065	65.5%	3/14/2014	3/17/2014	3/14/2014	5/7/2014	5	100%	5.1%
	3035	Bulle	John	Mathematics 8 - MA3108	90.8%	3/19/2014	11/17/2014	3/17/2014	4/20/2014	21	22.2%	0.8%
	3035	Bulle	John	MS Civics, Government, and ...	53.7%	3/11/2014	7/24/2014	3/11/2014	4/29/2014	12	45.9%	0.7%
	3036	Edge	Col	ACT Mathematics I	83.7%	3/11/2014	3/11/2015	3/11/2014	5/5/2014	6	17%	11.2%
	3042	Engagement	Nona	Algebra II - MA3111 A CR	83.7%	3/15/2014	7/24/2014	3/15/2014	5/7/2014	5	44.3%	2.9%
	3039	Toolittle	Tommy	Environmental Science - SC2028	70.9%	3/12/2014	7/16/2014	3/15/2014	4/30/2014	12	48.4%	1.5%
	3037	Zee	Art	3D Art II - Animation - EL5718	0%	3/11/2014	7/15/2014	3/12/2014	5/6/2014	6	49.2%	8.5%

Gradebook

Teachers can easily view student performance on a unit, lesson, or activity level across an entire course.

Some of the gradebook features include:

- View every student's grade on every activity in a lesson.
- Compare progress to see which students may need additional remediation or enrichment.
- Track student progress, overall grade, active time, and days since last action for all students enrolled in the course.
- See alerts for activities that have been bypassed, need to be graded, are out of retakes, or are pending teacher review. Alerts will also appear if students have not reached a passing threshold or when students have pre-tested out of a lesson.



Student	Progress	Overall Grade	Active Time	Days Since Last Action	Warm Up	Instruction	Summary	Assignment	Quiz
Class Average	44%	76%			100%	100%	100%	79%	71%
Jane Abraham	52%	79%	2h 18m	4	100%	100%	100%		
Aya Adams	53%	73%	2h 16m	1	100%	100%	100%	68%	80%
William Bates	53%	76%	2h 20m	2	100%	100%	100%	76%	60%
Brian Fantama	53%	70%	2h 2m	1	100%	100%	100%		
Arturo Gonzales	69%	80%	2h 26m	3	⊘	⊘	⊘	⊘	⊘
Christopher Griffen	38%	74%	2h 2m	5					
Mary Gruber	53%	76%	1h 56m	1	100%	100%	100%	90%	
Buddy Guy	58%	81%	1h 55m	7	100%	100%	100%	92%	
Ed Harkins	53%	73%	2h 17m	2	100%	100%	100%	84%	60%
Robert Hardaway	38%	77%	30m	2					
James Harris	49%	73%	2h 5m	1	100%	100%	100%	92%	

Reports

The LMS includes numerous reporting tools to give teachers and administrators ample options for tracking student progress. Course content is aligned to state standards in the system, and the lesson mastery report can report student progress filtered by the standards. Additionally, grading rubrics are provided for open ended assignments and teachers can make any necessary adjustments to the automatic system grades through the gradebook.

Engagement Reports

- Dashboard
- Session Log
- Gradebook
- New Performance Dashboard
- Attendance Log
- Scores and Activity Review
- Assignment Calendar

Progress Reports

- Group Progress
- Student Progress Report
- New Performance Dashboard
- Dashboard
- Attendance Log

Achievement Reports

- Dashboard
- Student Progress Report
- Gradebook
- Group Progress
- Scores and Activity Review

Lesson Mastery Report

The Lesson Mastery Report provides teachers an at-a-glance view of how students are performing in all the lessons in a course. The data can be used to identify and group students for re-teaching and intervention. The report can be customized with filter options to view how many students are struggling with the lesson, how many are active in the lesson, average quiz score, average number of quiz attempts, and average time. The report can also be filtered by standard.

Lesson Mastery Report data includes:

- Percent of struggling students

Lesson Mastery - Percent Struggling

Math6 Q1- A - All Students - Common Core State Standards

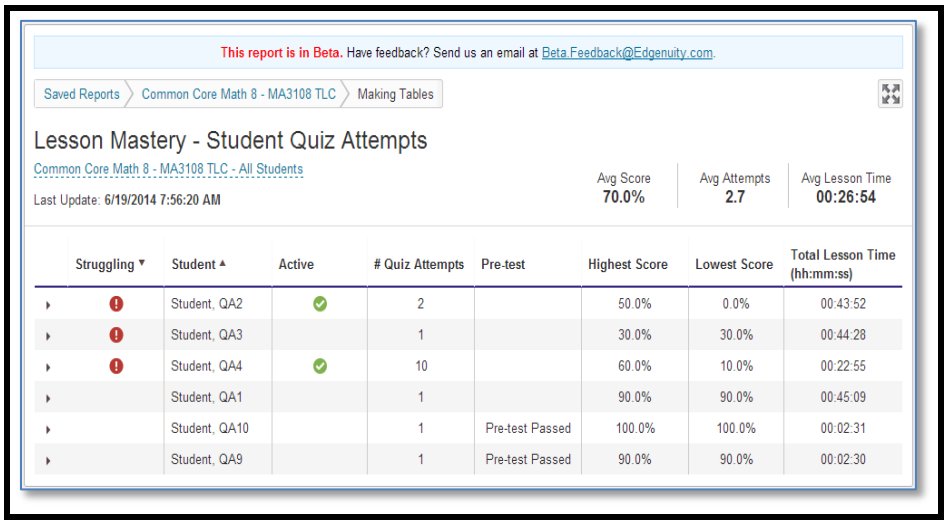
Last Update: 6/17/2014 7:00:24 PM

Lesson Mastery | Activities and Scores

Reset Filters | Collapse Standards | Expand Standards | Course Structure | % Struggling

	Sort	Lesson	% Struggling	# Struggling	# In this Lesson	Avg Quiz Score	Avg Quiz Attempts	Avg Lesson Time
Standards	Dividing Fractions	Fraction Multiplication and...	76%	67 of 88	1	64.9%	2.9	01:57:47
Standards	Dividing Fractions	Dividing a Fraction by a Fr...	76%	105 of 138	1	65.4%	3.2	01:46:36
Standards	Dividing Fractions	Fraction Division in the Re...	74%	23 of 31	0	61.3%	2.5	01:47:02
Standards	Multi-Digit Computation	Adding and Subtracting D...	70%	103 of 148	0	76.6%	3.4	01:56:23
Standards	Multi-Digit Computation	Factors and Multiples	68%	100 of 147	0	74.1%	3.1	01:44:26

- Student quiz attempts



This report is in Beta. Have feedback? Send us an email at Beta.Feedback@Edgenuity.com.

Saved Reports > Common Core Math 8 - MA3108 TLC > Making Tables

Lesson Mastery - Student Quiz Attempts

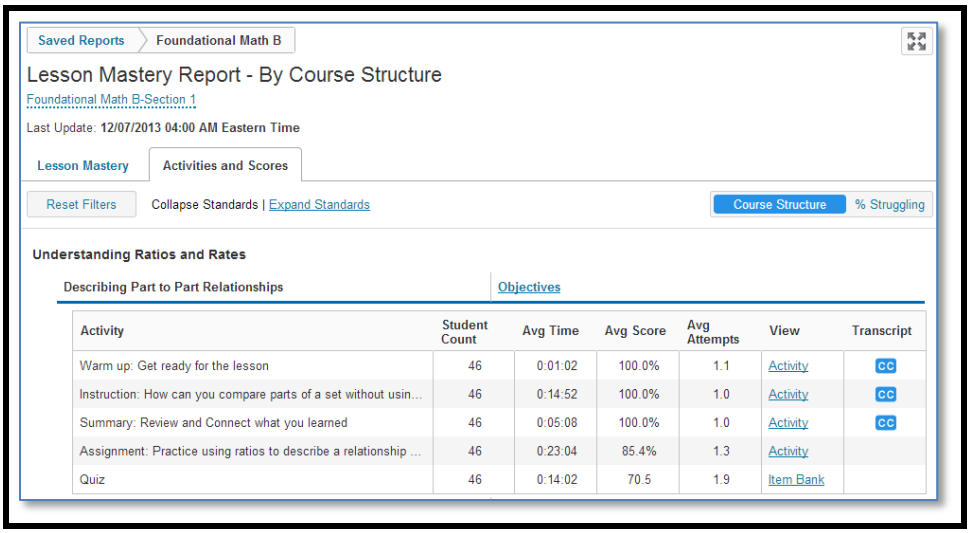
Common Core Math 8 - MA3108 TLC - All Students

Last Update: 6/19/2014 7:56:20 AM

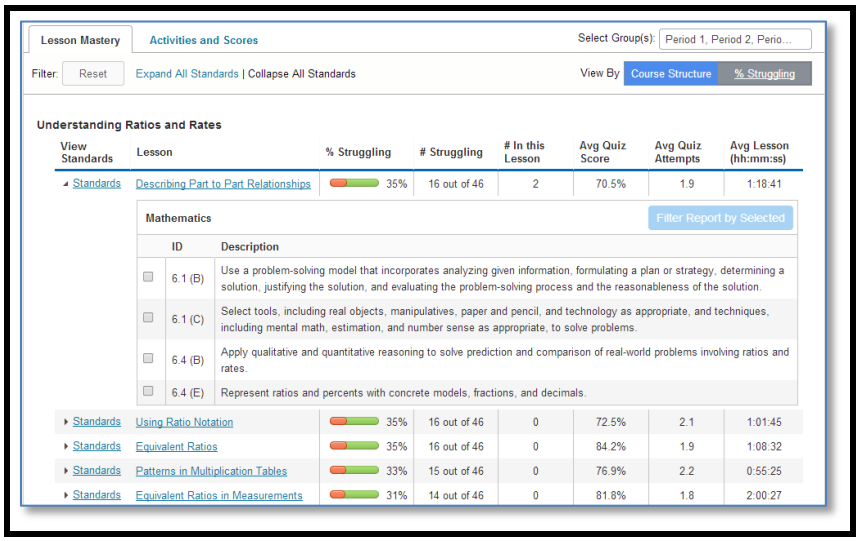
Avg Score 70.0% | Avg Attempts 2.7 | Avg Lesson Time 00:26:54

Struggling	Student	Active	# Quiz Attempts	Pre-test	Highest Score	Lowest Score	Total Lesson Time (hh:mm:ss)
!	Student, QA2	✓	2		50.0%	0.0%	00:43:52
!	Student, QA3		1		30.0%	30.0%	00:44:28
!	Student, QA4	✓	10		60.0%	10.0%	00:22:55
	Student, QA1		1		90.0%	90.0%	00:45:09
	Student, QA10		1	Pre-test Passed	100.0%	100.0%	00:02:31
	Student, QA9		1	Pre-test Passed	90.0%	90.0%	00:02:30

- Lesson activity



- Standards
  - Shows the standards associated with a lesson
  - Shows how students are performing on that standard across multiple lessons



School and District Reports

- Action Log
- Active Enrollment by Grade Level
- Total Enrollment by Course
- Courses Within 10% Complete by School and Grade Level
- Summary Reports
- Course % Complete
- Courses Behind Target
- Current Completed Courses by Grade Level

Remote and Parental Access

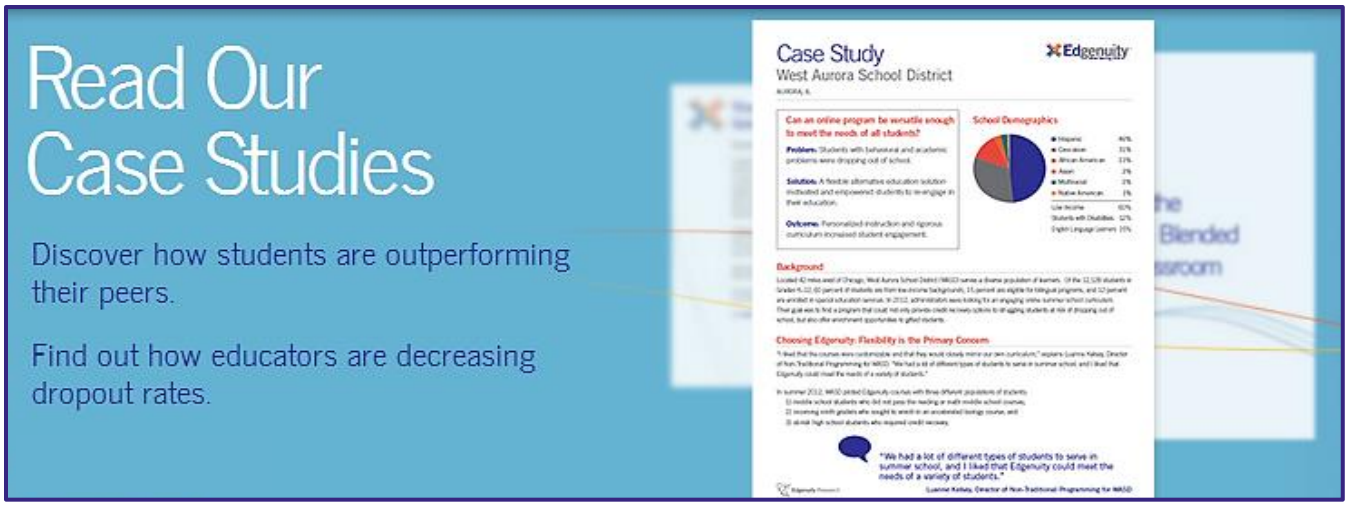
Mobile Devices

For students who are especially busy or need to have access to their courses from anywhere, the content is mobile device compatible, so students can access instruction in class from a laptop, desktop, or Chromebook and complete their homework on an Android tablet or an iPad from any location. More information about compatible devices can be found at http://www.edgenuity.com/support/it-support/.

Parent/Family Portal

While students work, parents and guardians have access to the Family Portal where they can log in to view their child's attendance and progress at any time. Teachers can even set up daily, weekly, or monthly emails for parents or guardians to receive regular updates on student progress and activity.

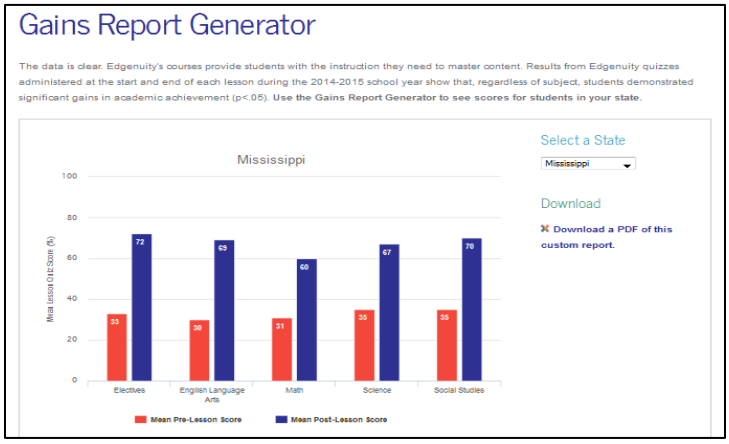
Proven Results



Edgenuity's Research Department conducts efficacy studies, correlational, and longitudinal research in conjunction with partner districts. The efficacy studies and research information demonstrates Edgenuity's success in supporting diverse student populations and academic achievement. Edgenuity utilizes a variety of methods to evaluate course effectiveness, including surveys, regular data pulls on assessment items, and outside reviewers. Edgenuity also works with select district partners to evaluate student performance on state and national assessments.

For more information on the efficacy studies which demonstrate Edgenuity's success in supporting diverse student populations and academic achievement please visit http://www.edgenuity.com/curriculum-research/research/.

Additionally, please visit http://www.edgenuity.com/the-difference/efficacy/gains-report-generator/ to explore data reports by state from our Gains Report Generator.



Company Overview

Edgenuity is a dynamic company committed to leading innovations in online and blended learning to propel success for every student, empower every teacher to deliver more effective instruction, and enable schools to meet the academic goals and prepare students for career and college success. The dynamic, up-to-date content is designed to cater to modern students. And unlike a textbook, our comprehensive online system provides integrated assessments that give continuous feedback to students, as well as real-time data that teachers can use to closely monitor and assess how their students are doing. Edgenuity supports educators across the nation in addressing the increased need for innovating and engaging digital alternatives to traditional school-day courses and to help students fulfill high school graduation requirements and be prepared for college and career.

For additional information, visit our website: "Edgenuity Plays Key Role in National Transition to Online Learning." http://www.edgenuity.com/News-Reviews/Edgenuity-Plays-Key-Role-in-National.

The Company's mission is to drive positive academic outcomes, so we continue to research what is most effective in online education – both for students on our platform and those learning through other means – to continuously improve student engagement and encourage more time on task, two very important indicators of successful academic outcomes. Our vision for the 21st century classroom is one in which students access high-quality, standards-aligned online coursework on a range of devices—from laptops to Chromebooks to iPads to Windows and Android tablets—in school and at home.

In the last 16 years, Edgenuity has helped over a million students experience a new model of education, ignite a passion for learning, become more self-directed learners, and realize their academic goals. Edgenuity has had a resounding impact on the education and ultimately the lives of teenagers and young adults.

Edgenuity®
where learning clicks

Quick Preview Guide

Table of Contents

Foreword

The purpose of this Quick Preview Guide is to provide support during the use of your trial period with Edgenuity. This guide provides a high-level overview and directions for understanding the functionality of both the student and teacher experience in Edgenuity. It will be helpful to keep track of your login information, so feel free to use this space below.

My Username: _____

My Password: _____

If you have any questions while previewing the Edgenuity software and courses, feel free to contact us at 877-202-0338.

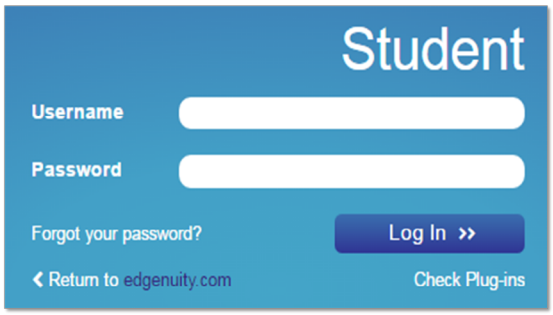
The Student Experience

Please bookmark the following site in your web browser so that you can easily navigate to the Edgenuity LMS:

http://learn.edgenuity.com

LOGGING IN TO EDGENUITY

Your account grants you access as both an educator and a student by selecting the appropriate button on the main link included at the beginning of this document.

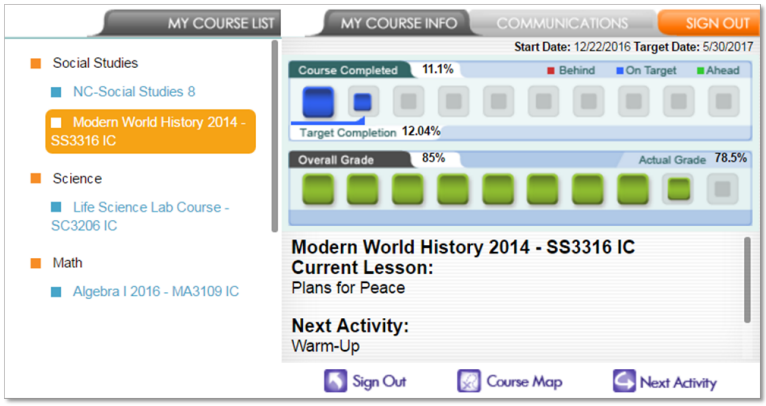


1. Select the **Students** button to log into the student experience.
2. Enter your username and password that were provided to you via email.
3. You are now at your home screen.

Overview

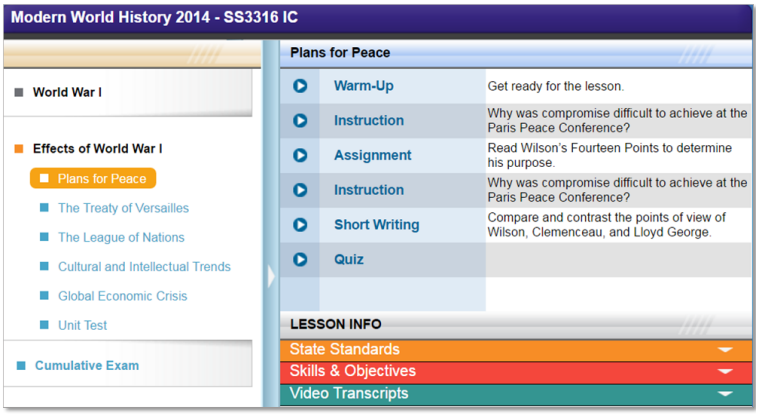
The Edgenuity LMS allows students to easily access their coursework, communicate with educators, monitor their progress, and view a variety of reports that help them to stay on track. The following is a brief overview of the experience your students will have within Edgenuity.

THE STUDENT LOBBY



1. On the left side is the **My Course** List section. This will contain a list of all actively assigned courses.
2. Click on the **title** of the course you want to explore.
3. On the right side, your screen will update with statistics about your selected course.
   - A progress bar will show the current progress, and target progress if a start and target date have been assigned to the course. This progress bar will be blue if students are on track, green if they are ahead, and red when they start to fall behind.
   - The grade bar will show students the current overall grade in the selected course.
   - At the bottom, students can view their current location in the course as well as their next activity.

PREVIEWING ASSIGNMENTS



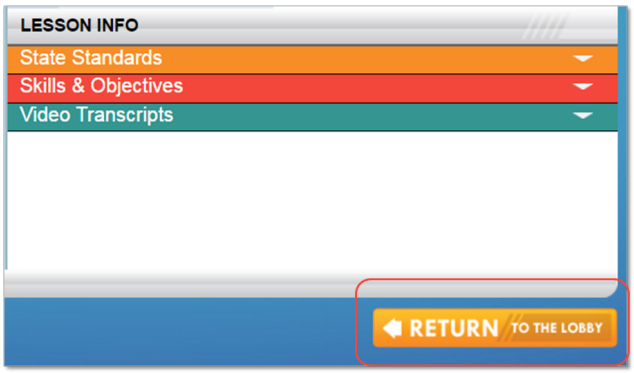
1. Click on the **Course Map** button at the bottom of the right section.
2. Click the **unit title** that you would like to explore.
3. Click a **lesson title** to view all of the assigned activities within the selected lesson.
4. When you complete the review of the activity, click the **Home** icon at the top left. This will return you to the course map view and you can select another activity for review.

NOTE: By default, students will be required to complete activities in the order in which they are assigned – they will need to complete each activity in its entirety before moving on to the next activity. Your account, however, allows you to freely navigate the course structure so you can explore any content on-demand.

SELECTING ANOTHER COURSE FOR REVIEW

If you have more than one course assigned to your account that you want to review, follow these easy steps to return to your list of assigned courses:

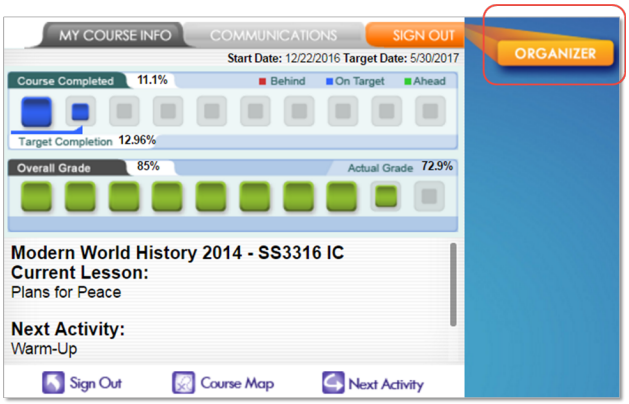
1. Click the **Return to Lobby** button at the bottom right of your screen.
2. Click the **title** of the next course you wish to review.



THE ORGANIZER

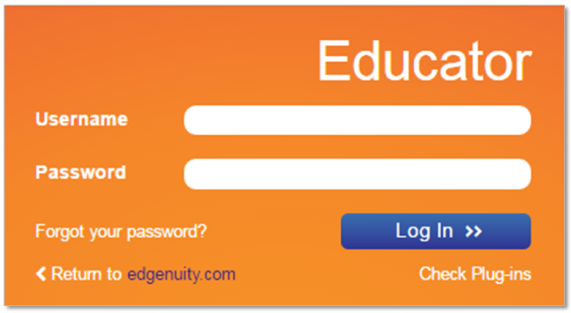
Students have access to real-time data regarding their progress, engagement, and achievement statistics. They also have access to a variety of resources and the student orientation video, all contained within their Organizer.

1. From the **Lobby**, click on the **Organizer** button.
2. Feel free to review the **Reports**, **Communications**, and **Resources** options at the bottom to view the tools available to your students.
3. Students also have access to the **Student Orientation Video**, a helpful video guide to using Edgenuity for first-time students. That video can always be found at **Resources → Orientation and How-to.**
4. To go back to the **Lobby**, click the **Power** button at the bottom left.



LOGGING IN TO EDGENUITY

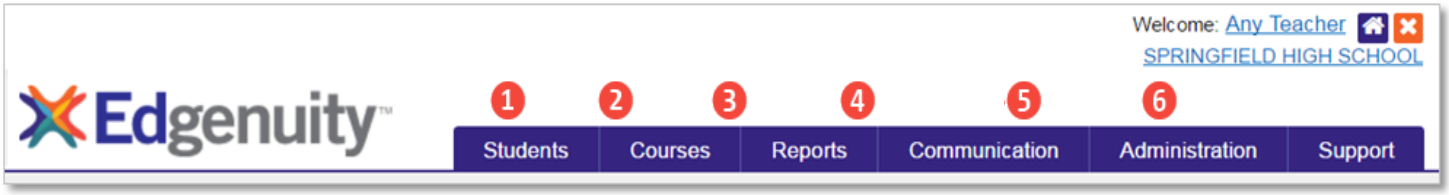
Your account grants you access as both an educator and a student by selecting the appropriate button on the main link included at the beginning of this document, also shown above.



1. Select the **Educators** button to log in as a teacher.
2. Enter your username and password that were provided to you via email.
3. You are now at your home screen. You can always return here by clicking the **Home** icon in the top right.

OVERVIEW

The Edgenuity LMS allows educators to easily work with student accounts, explore course structures and standards alignments, and view or export a variety of reports. The following is a brief overview of each tab you'll have access to with your trial account.



1 **Students:** From this tab, you can add a new student or manage existing students. Use the search bar to find any student easily and jump directly to his or her course list and student progress reports.

2 **Courses:** Feel free to view course structures and activities, and also explore state standards alignments. From the Manage Courses page, you can customize a course and assign it to groups of students. The Gradebook link will provide valuable student progress information for your entire class in one place. From the Manage Enrollments page, you can view, filter, and export on-demand enrollment data.

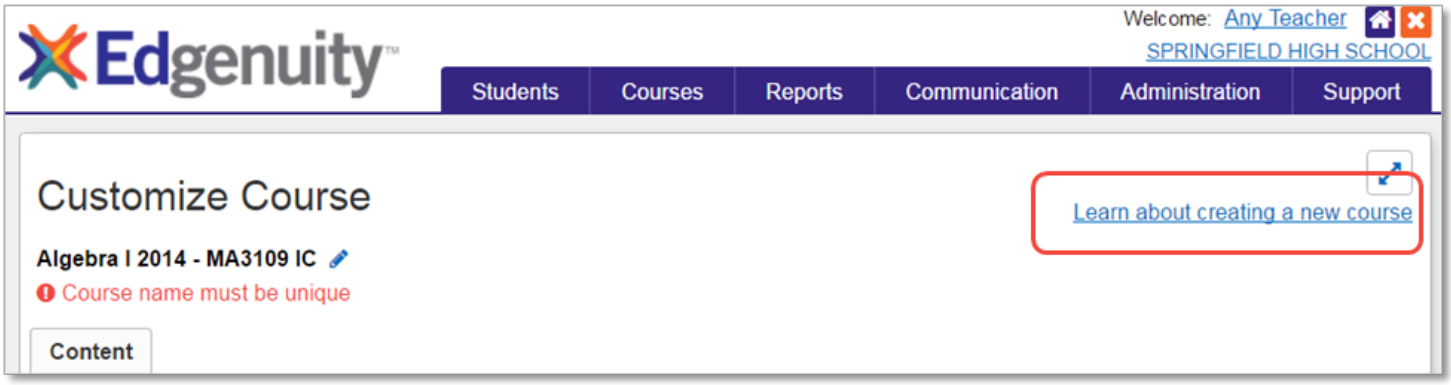
3 **Reports:** From this tab, you can view and export data showing student progress, achievement, and engagement. This menu also includes a one-stop dashboard that shows you which students need additional help and allows you to take immediate action. The Lesson Mastery Report provides important class data to show exactly where your students are struggling, which can then be used to group students for additional support and instruction.

4 **Communication:** You have unlimited access Edgenuity's self-contained email, chat, and announcements features. You can also set up and monitor classroom discussions within the Collaboration Corner – Edgenuity's built-in, online discussion board.

5 **Administration:** District, school, and program administrators can create and manage additional educator accounts, customize permissions, set up a district calendar of holidays and in-service days, or control a variety of additional account settings.

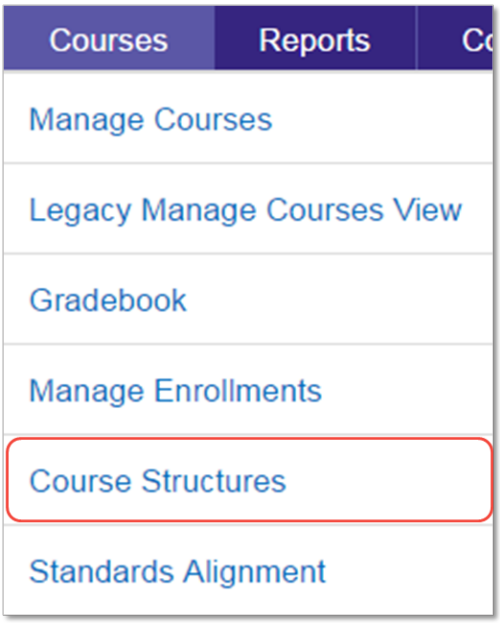
6 **Support:** Do you need additional help? Get connected to asynchronous training materials within eCommunity. Explore in-depth product support how-to posts or access our video training library for videos that will help you quickly get started with the most common tasks. Or you can use the link here to contact Edgenuity's dedicated customer support team via email, and they are also available via phone.

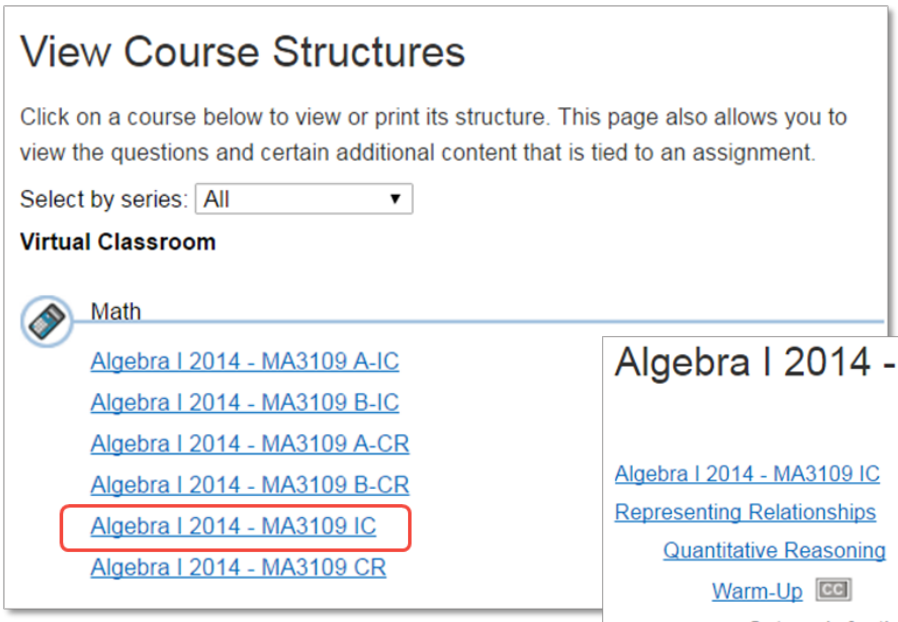
NOTE: Throughout the LMS, you will find additional embedded help documentation if you wish to explore further. Keep your eyes out for the Learn About… links as shown below for our Course Customization Tool.

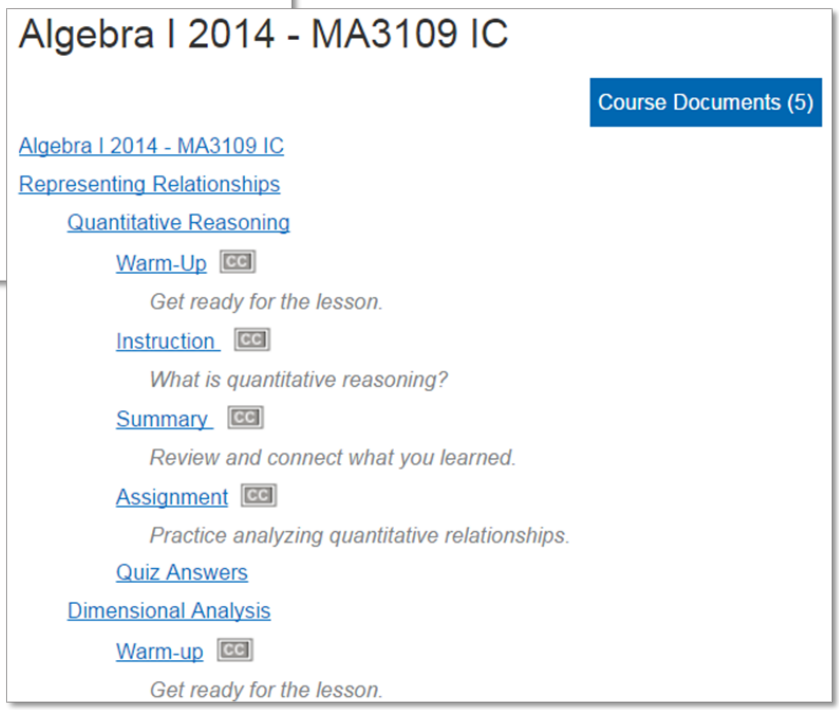


COURSE STRUCTURES

The course structure page provides educators access to the structure and all content within all courses available to you. To access this page, simply click on Course Structures from the Courses tab, and then click on the name of the course you wish to explore.

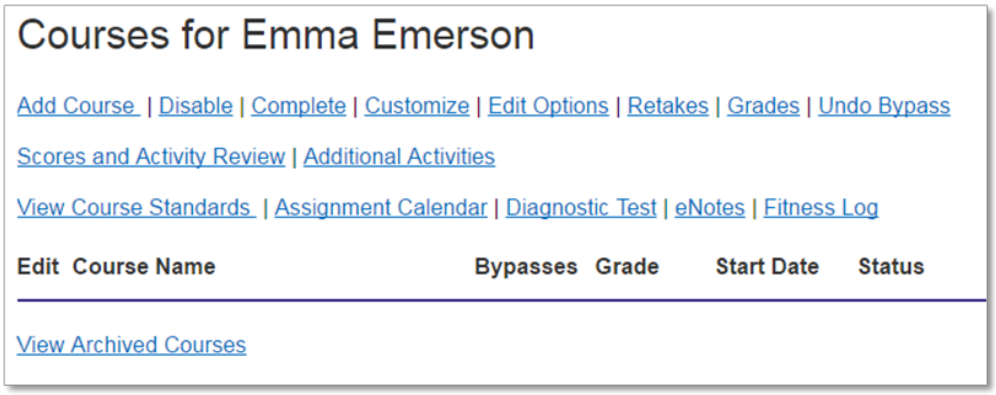






MANAGING STUDENTS

You can add new students, enroll them in courses, as well as view their progress along the way. From the Students tab, select Manage Students and add a new student to your account. After you add a new student, click on the student's name to review the following options available to you.



Row 1 Options

Add Course: Enroll your selected student in courses.

Disable: Prevent a student from working in the course by disabling it. The student can continue to log in and work on all other courses except the disabled course. Disabled courses can be re-enabled at a future date.

Complete: Mark the selected course as complete when the student has submitted all activities, all teacher grading has been completed, and you do not want the student to re-enter the course. Most often a course is marked complete when your student has successfully earned credit for their course.

Customize: You can customize courses for your school from the Manage Courses link under the Courses tab, or you also have the option of using this link to customize a course only for this selected student.

Edit Options: Again, you can set up course options for your school prior to enrolling student, or you may want to edit some options only for this one selected student. Some of the individual course options include passing thresholds for assessments, grade weights, start date, target date, quiz review method, grading methods, time limits and fail attempts for assessments, pre-test mode, etc. Use this link to make individual accommodations for this one selected student.

Retakes: Students will have a given number of attempts to score a passing grade on their assessments, or you can use this link to add additional retake attempts for quizzes, tests, and exams.

Grades: To view a list of all completed activities within a course and the selected student's grades on each activity, use this link. Educators also have the ability to change grades, reset assignments, bypass activities, assign additional retakes for assessments, etc.

Undo Bypass: A bypass allows the teacher to advance a student through activities without requiring the student to complete the activity in his or her sequential learning path. This can be performed from the student's gradebook. This link to Undo Bypass provides educators with the ability to remove a previously applied bypass from an activity.

Row 2 Options

Scores and Activity Review: Use this option to view student work and leave feedback for all activities this student has submitted. A search and filter feature provides quick access to assessment data on specific activity types.

Additional Activities: Perhaps you have activities that your students will complete offline, but you want the scores to be factored into their Edgenuity course grade. You can add as many outside scores as desired, however, be sure to assign a weight to the Additional category of activities.

Row 3 Options

View Course Standards: Use this link to view the state standards correlations for the selected course.

Assignment Calendar: Provided you enter a start and target date in the course options, the Edgenuity system will automatically generate a daily assignment calendar for the student, based on the start and target dates that you apply. The assignment calendar is presented in a weekly view for students to more easily manage their assigned coursework.

Diagnostic Test: If your student is assigned one of Edgenuity's Virtual Tutor test preparation courses, you can use this link to review how students performed on the diagnostic pretest. This report will show you which lessons are assigned to the student, and which lessons the student successfully tested out of and is not required to complete. This allows students to focus on only the content not yet mastered.

eNotes: Review your student's online notes, or eNotes, for the selected course.

Fitness Log: Review any fitness activities a student has submitted as part of their online PE course. While this link will always be available, it only applies to the online PE course contained in the Health course bundle.

Preview World Language Courses

World language courses, provided by Powerspeak™, offer students a well-rounded experience of learning a new language, focusing on the fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. The following hyperlinks will allow you to view a demo version of these courses, as they would be presented to students.

WORLD LANGUAGE COURSE PREVIEWS

Middle School - Full Year Samples

SPANISH 1	http://edgenuity.pglms.com/users/login/middleschoolspanish1demo/middleschoolspanish1demo
SPANISH 2	http://edgenuity.pglms.com/users/login/middleschoolspanish2demo/middleschoolspanish2demo
FRENCH 1	http://edgenuity.pglms.com/users/login/middleschoolfrench1demo/middleschoolfrench1demo
FRENCH 2	http://edgenuity.pglms.com/users/login/middleschoolfrench2demo/middleschoolfrench2demo
GERMAN 1	http://edgenuity.pglms.com/users/login/middleschoolgerman1demo/middleschoolgerman1demo
GERMAN 2	http://edgenuity.pglms.com/users/login/middleschoolgerman2demo/middleschoolgerman2demo
LATIN 1	http://edgenuity.pglms.com/users/login/middleschoollatin1demo/middleschoollatin1demo
LATIN 2	http://edgenuity.pglms.com/users/login/middleschoollatin2demo/middleschoollatin2demo
CHINESE 1	http://edgenuity.pglms.com/users/login/middleschoolchinese1demo/middleschoolchinese1demo
CHINESE 2	http://edgenuity.pglms.com/users/login/middleschoolchinese2demo/middleschoolchinese2demo

High School - Full Year Samples

SPANISH I	http://edgenuity.pglms.com/users/login/highschoolspanishidemo/highschoolspanishidemo
SPANISH II	http://edgenuity.pglms.com/users/login/highschoolspanishiidemo/highschoolspanishiidemo
SPANISH III	http://edgenuity.pglms.com/users/login/highschoolspanishiiidemo/highschoolspanishiiidemo
AP® SPANISH LANGUAGE AND CULTURE	http://edgenuity.pglms.com/users/login/highschoolapspanishdemo/highschoolapspanishdemo
FRENCH I	http://edgenuity.pglms.com/users/login/highschoolfrenchidemo/highschoolfrenchidemo
FRENCH II	http://edgenuity.pglms.com/users/login/highschoolfrenchiidemo/highschoolfrenchiidemo
FRENCH III	http://edgenuity.pglms.com/users/login/highschoolfrenchiiidemo/highschoolfrenchiiidemo
AP® FRENCH LANGUAGE AND CULTURE	http://edgenuity.pglms.com/users/login/highschoolapfrenchdemo/highschoolapfrenchdemo
GERMAN I	http://edgenuity.pglms.com/users/login/highschoolgermanidemo/highschoolgermanidemo
GERMAN II	http://edgenuity.pglms.com/users/login/highschoolgermaniidemo/highschoolgermaniidemo
LATIN I	http://edgenuity.pglms.com/users/login/highschoollatinidemo/highschoollatinidemo
LATIN II	http://edgenuity.pglms.com/users/login/highschoollatiniidemo/highschoollatiniidemo
CHINESE I	http://edgenuity.pglms.com/users/login/highschoolchineseidemo/highschoolchineseidemo
CHINESE II	http://edgenuity.pglms.com/users/login/highschoolchineseiidemo/highschoolchineseiidemo

Preview Dual Credit Courses

Edgenuity has partnered with Sophia Learning™ to offer students the opportunity to earn high school and college credit for each of the following courses. To preview any of these courses as they are presented to students:

1. Click: edgenuity.sophia.org or type that into a new browser window.
2. Create a student account.
3. Add a course by entering one of the demo codes below to preview the course.

DUAL CREDIT COURSE TRIALS

Accounting	fb2173e0
Approaches to Studying Religions	edd5fb42
College Algebra	27cddfd8
Conflict Resolution	6ff79fa2
Human Biology	1159a5aa
Introduction to Art History	5913e99c
Introduction to Psychology	c1136f76
Introduction to Sociology	a9512f5a
Introduction to Statistics	572bf90c
Macroeconomics	d5bf877a
Microeconomics	e58305ec
Project Management	f5612150
Visual Communications	ed0b09bc

Edgenuity®