eDynamic Learning
CAREER & ELECTIVE COURSES

Course Instructional Framework

Award-Winning Curriculum

2021 SIIA CODiE WINNER

THE EDTECH AWARDS
COOL TOOL WINNER 2021

Best Elective Curriculum Solution   **Best Career Planning Solution**

Course Instructional Framework

eDynamic Learning is a teacher-founded company, established with a mission to help students find their passion through exciting and unique career-focused curriculum. With over 200 course options for schools, we are the largest publisher of CTE and elective curriculum for grades 6-12.

Our digital curriculum is developed in-house by teachers and industry subject matter experts. The courses are designed to meet state and industry standards and are flexible and customizable so teachers can personalize learning to ensure they meet the needs of their students.

Implementation Models

eDynamic Learning's comprehensive digital curriculum is designed to work continuously, regardless of the setting or instructional model. Schools often use it as a textbook replacement, supplemental instruction, or virtual course curriculum. The dependable, user-friendly design and flexible framework allows schools to deliver courses that meet the needs of their district, school building, and individual classrooms.

Schools use our course curriculum in the following ways:

- Enriching Elective Courseware
- Career Technical Education Courseware (CTE)
- Preparation for 80+ Industry Certifications
- Middle and High School Career Exploration
- STEAM Programs

- Textbook Replacement
- Coding Camps
- Summer School
- Afterschool Programs
- Supplemental Curriculum

Instructional Strategies & Learning Theories

Each course leverages instructional design strategies rooted in research. Course content employs essential concepts native to the Gen Z generation and incorporates Behaviorist, Constructivism, and Cognitivism learning theories.

Each course is designed and written with engaging curriculum narratives that employ backwards design methodology to support best practices for students. Bloom's Taxonomy is used to drive higher-order thinking skills in lessons, activities, and assessments. Frontloaded course vocabulary gives a purposeful introduction to key vocabulary to make the course content more comprehensible and more engaging for students.

LMS Compatibility

moodle · schoology · Buzz

canvas · D2L Brightspace · Blackboard

Consistent Course Design. Consistent Success.

eDynamic Learning's digital curriculum provides a strong foundation of content for teaching and learning. Just like with a textbook, teachers have the ability to customize the course curriculum and add a variety of materials to enhance their instruction and engage their students in learning. Built-in assessments include unit quizzes, a midterm exam, and a final exam. Assessments are randomized from a large pool of questions to mitigate the possibility of cheating. Course units include:

- A Unit Introduction
- 3-8 Lessons
- A Unit Podcast
- Critical Thinking Questions

- Unit Discussion Questions
- 1- 4 Activities
- Flashcards
- Quiz

Accessible & Responsively Designed

Courses are also responsively designed to run on all technology platforms and devices and meet Web Content Accessibility Guidelines (WCAG) 2.0 AA, making them accessible for students who are deaf, hard of hearing, blind, or visually impaired.

WCAG Version 2.0, Level AA

Comprehensive, Interactive & Flexible Course Features

Featuring the Anatomy & Physiology 1a: Introduction Course

Getting Started: For Students
In the Getting Started folder, students are given access to the course syllabus, vocabulary, bibliography, required materials and tips for being successful in an eDynamic Learning course.

Engaging Curriculum Narratives
Each course is designed and written with engaging curriculum narratives to keep students interested in the subject matter. Video, interactive elements, and assessments decrease passive learning and increase comprehension.

Manageable Sections of Information
Each lesson is "chunked" into bite-sized pieces of information followed by a visual or an interactive element making information more likely to be engaging, retained, and recalled.

Multimodal Interactive Elements
To increase engagement and decrease passive learning, interactive resources offer opportunities for students to engage with the content. This promotes student agency and images facilitate information processing.

Embedded Multimedia Elements Include:
- Images
- Diagrams
- Infographics
- Videos
- Slideshows
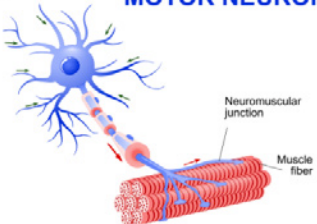
Keeping Your Blood Pumping
Later, you will learn about the various types of muscle tissue, and that includes cardiac muscle tissue. The muscle that makes up this incredible organ pumps with enough force, between 60 and 100 times a minute in a healthy adult, to deliver blood and all of its nutrients and oxygen all over the body. It's fascinating to consider that, with each pump of this strong muscle, it can distribute blood to the proximal ends of your fingers and toes as well as to all of the vital organs.
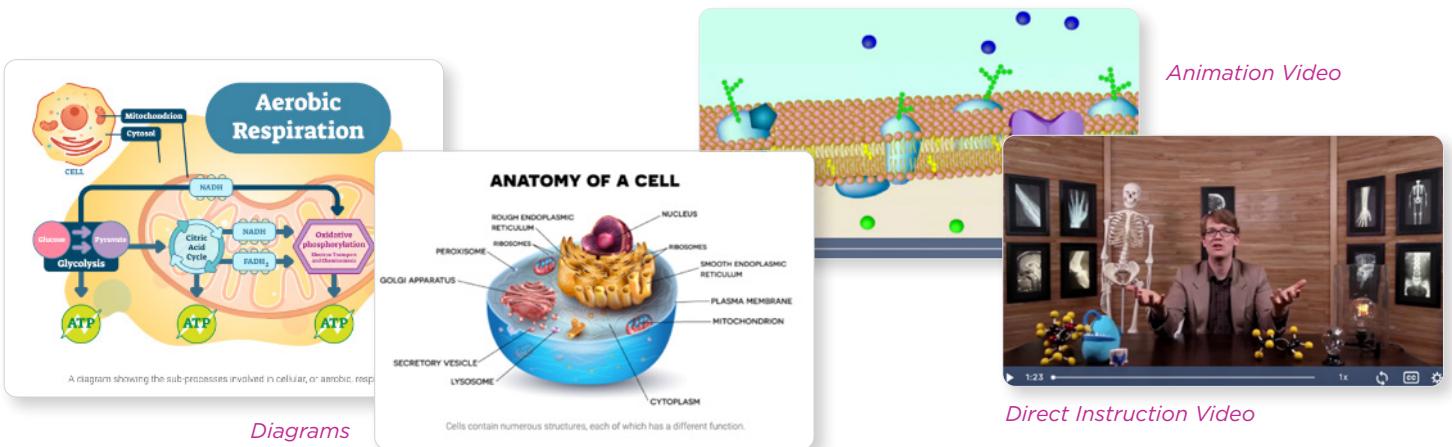
The heart, a very hard-working organ, is made out of cardiac muscle.

MOTOR NEURON

The motor neuron sends a signal to the muscle to contract or relax.

The other thing sitting in the synaptic gap is an enzyme called acetylcholinesterase. It works to make sure that the impulse sent to the myofiber will result in only one contraction. This can be compared to the address bar in your messaging app. The acetylcholinesterase ensures that the message only goes through once and to the correct person, or in this case myofiber. But, that's not the end of it. The muscle fibers still have to go through another series of steps before the muscle can contract.

Animation Video

Diagrams
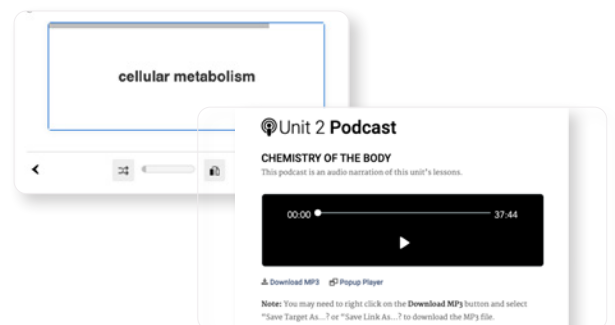
Direct Instruction Video

Flashcards
Each unit contains a deck of flashcards that allow learners to review the key terms and ideas found within the unit.

Podcasts
Unit Podcasts assist auditory learners with opportunities for reading comprehension and literacy improvements. Students can read along with each lesson and listen to the narrator's pacing and pronunciation.

Critical Thinking Questions

Students are routinely asked to think critically through higher-order thinking questions, application activities, and discussion questions that link content to lived experiences.

Self Assessment: "Test Your Knowledge"

'Test Your Knowledge' quizzes are presented to students throughout the course and are not counted as part of their grade. This provides an opportunity to practice and ensure they are prepared prior to taking high-stakes, graded unit quizzes.

Reflective Discussion Board Questions

High-interest discussion questions leverage Bloom's Taxonomy objectives such as "analyze, compare and contrast, examine, and defend," and encourage students to reflect, collaborate, and share learning experiences.

Real-World Activities

Activities are practical engagement and explorational opportunities that bring in a real-world context. Students apply what they've learned to create, develop, or produce a body of work and demonstration knowledge. Some examples include writing an essay or creating a multimedia presentation, a portfolio piece, or an app.

Summative & Formative Assessments

Courses include both formative and summative assessments for students. Unit quizzes, midterm exams, and final exams are auto-graded for the teacher.

Literacy Toolbar Supports Diverse Classrooms

eDynamic Learning courses offer a built-in literacy toolbar to support English Language Learners, students with learning disabilities, IEP/504 accommodations, and to help all students improve their study skills and content knowledge. Through the expandable accessibility icon, students have access to an array of helpful tools. The toolbar is sticky and stays on screen as students scroll through the course, making it accessible when they need it.

Student Agency

The Literacy Toolbar includes text-to-speech, language translations, dictionary (text and image), highlighters, and a screen masking feature.

Read Aloud With Text Tracking

Text can be read aloud in 3 speeds and highlighted in 4 different colors. Words are highlighted when spoken, which engages and motivates auditory learners, improves vocabulary, comprehension, information processing skills, and increases their attention span.
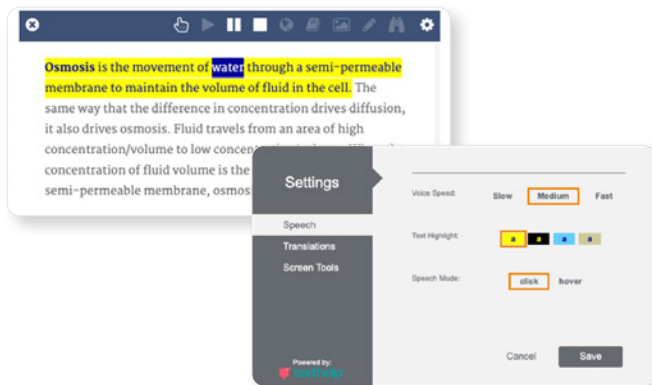
Screen Masking

Screen masking overlays reduce visual stress on students with reading disabilities – including students with dyslexia. Students have 3 options to choose from including the Letterbox, the Ruler Guide or the Line Reader Guide.
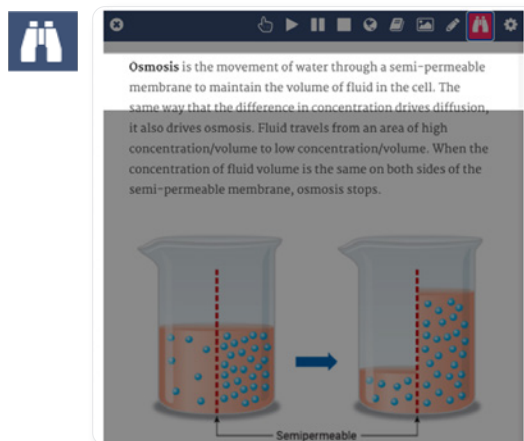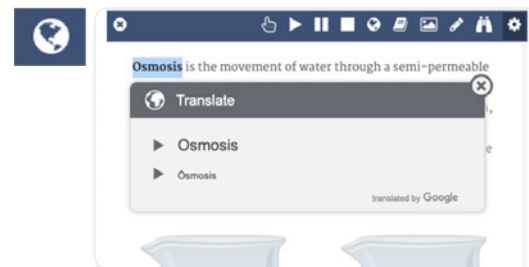
Dictionary & Pictionary

Words can be highlighted and defined using the dictionary and pictionary options. Students can also click the word to hear the definition read aloud.
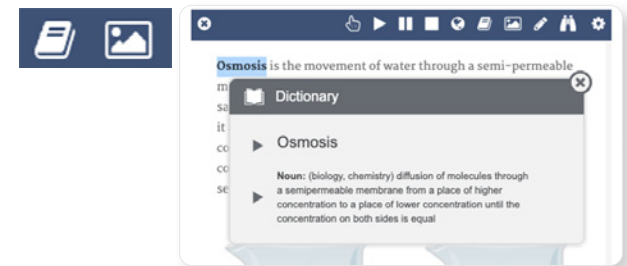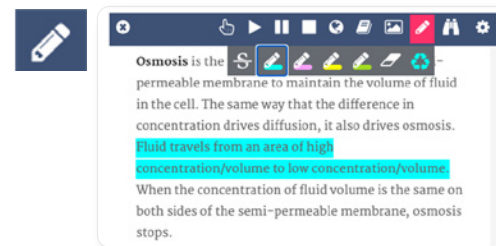
Text Translation

Selected words or phrases can be translated and/or read aloud in 90+ languages, providing continuous learning supports for English Language Learners.

Highlighters

Strikeout pens and multi-colored highlighters promote study tips. Highlighted text can be collected and transferred to a Word or Google doc for studying purposes.

Empowering Educators

Resources to Support Data-Driven Instruction

Teacher Resources
Our extensive teacher resources enable educators to utilize a variety of teaching and learning strategies including Blended Learning and Inquiry-Based Learning (project-based learning, problem-based learning, challenged-based learning). Teachers also receive a pacing guide, online and continuous learning guide, suggested answer keys, and grading rubrics for open-ended questions and activities.

Suggested Answer Keys
Within the Teacher Resources folder, suggested answer keys are provided for critical thinking questions, discussions, and activities.

Gradebook With Insightful Data
A comprehensive gradebook gives teachers access to grades and valuable data insights to help target and personalize instruction. Simplistic dashboard views enable teachers to see how individual students are doing in the course with performance data, cumulative score, time spent in the course, performance, pace, and progress.

Grading Rubrics
Rubrics are provided for teachers and students for open-ended questions and activities.

Grading Assignments & Personalized Feedback
Teachers have the flexibility to support their students in a variety of ways to personalize instruction.

Personalized Feedback
Teachers can give individualized feedback on assignments in the form of written notes, audio, or video recording attachments.

Private Notes
Teachers can record private notes on assignments making IEP and 504 plan documentation easy and efficient.

Reports for Mastery & Performance
A variety of reports can be accessed to assist teachers and curriculum leaders on data-driven decisions. Educators can access and print reports for their whole class and individual student performance, mastery, item analysis, and much more.
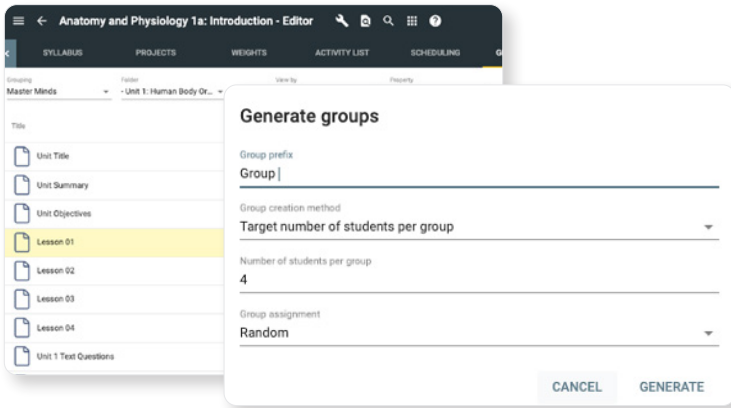
Differentiate with Small Groups & Personalization

Teachers can create and manage small groups to change visibility of course material, quizzes, and custom content for different groups. They can easily assign and communicate with the whole class, small groups, and individual students.

Monitor & Track IEP & 504 Accommodations

Teachers can quickly identify students who have an IEP or 504 accommodation through the flag feature so they can adjust the curriculum to support their unique requirements and ensure success.

Adjust Assessments to Support Accommodations

Teacher can modify assessments in a variety of ways to meet the needs of their learners and create their own assessments. They can allow or adjust:

- Retries or attempts
- Time allowed for quiz
- Number of questions on quiz
- Calculator tool availability
- Printing of the assessment
- Electronic highlighted notes
- Adding questions to assessment
- Randomizing question order
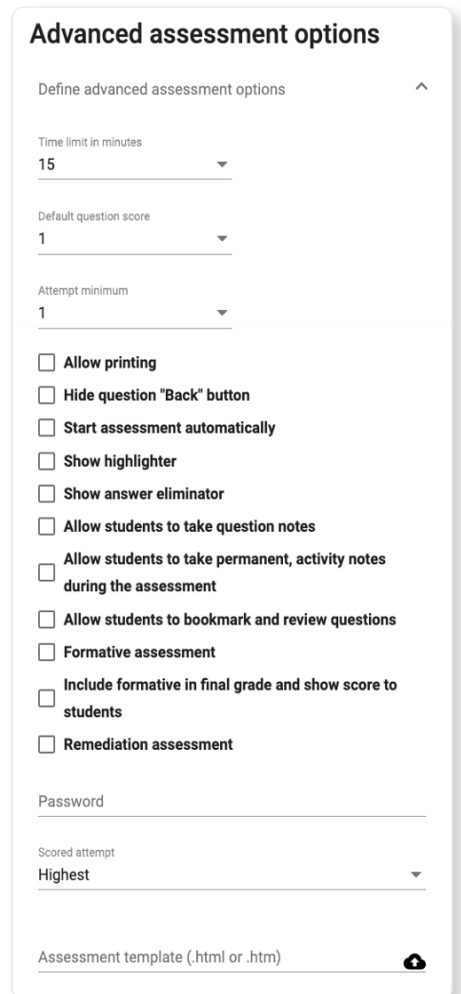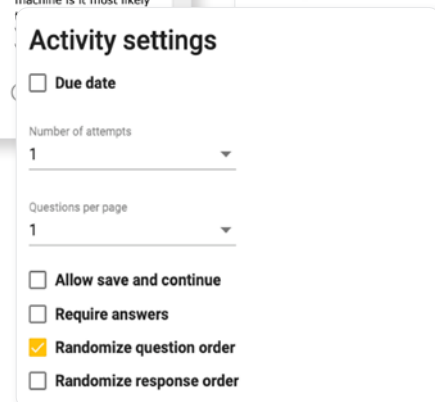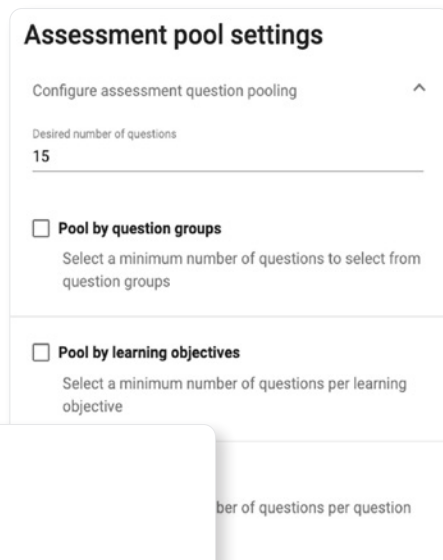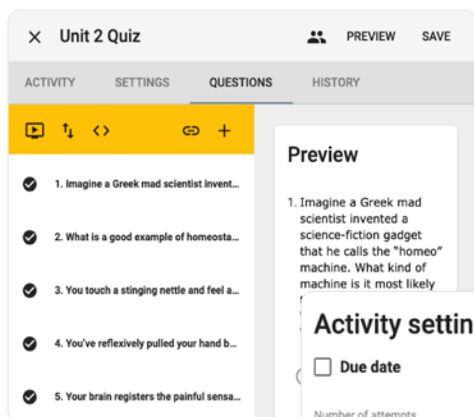
Relevant, Sensitive & Personalized Learning

Meeting the Needs of Diverse Learners

Regularly Reviewed and Updated

Digital curriculum provides numerous benefits including the ability for eDynamic Learning to regularly update the courses to incorporate relevant and newsworthy events and details, which transfer seamlessly for LTI-enabled school partners. Courses are continually reviewed to ensure the language and topics are sensitive and appropriate for all learners. An external diversity/sensitivity editorial organization is also employed to review lessons, images, and assessments to identify potential bias, stereotypes, and inauthenticity. The editorial group assigns readers to review material from the perspective of their own lived experiences. Readers look for content related to:

- Adoptions
- Addictions
- Ageism
- Animal violence, death
- Body image, eating disorders
- Bullying, cyberbullying
- Culture

- Death
- Domestic violence
- Ethnicity and race
- Gender Issues
- Generational issues
- Immigrant culture
- Indigenous cultures

- LGBTQ+
- Mental illnesses, disorders
- Physical illnesses, disabilities
- Regionalism
- Religion
- Socioeconomic status
- Tokenism

Social Emotional Learning

Many of the eDynamic Learning courses weave CASEL's 5 competency framework throughout to foster knowledge of self-awareness, self-management, social awareness, relationship skills, and responsible decision making. Various lessons and assessments incorporate the CASEL competencies to advance growth and development.

Customize the Curriculum

eDynamic Learning provides a strong foundation of content for teaching and learning, but gives you the ability to incorporate your own lessons and activities or district-authored materials.

Rearrange units and lessons to meet district scope and sequence

Add:
New lessons, links, videos, docs, assessments, etc.

Hide:
Units, lessons, activities

Move:
Units, lessons, activities in a different sequence

Modify:
Due Date, Grading Options, Access, and more!

Support Methods to Ensure Success

As a teacher-founded company, our goal is to support your school's success! We offer an array of options to enable teachers to customize and personalize their instruction, engage students, and support them in making the most of the curriculum.

Access the latest tutorial videos and updates through our YouTube channel

Contact our Tech Support Team at no cost when encountering a challenge or a question

We offer a variety of professional development workshops to support all instructional models

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