



Award-Winning Curriculum





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.



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

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.

Unit Discussion Questions

1- 4 Activities Flashcards

• Quiz



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



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 motor neuron sends a signal to the muscle to contract or rela-

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 bair 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 tog through another series of steps before the muscle can contract.



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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.

ere are some example quiz questions. Wi ire to read WHY your answer was correct isist you in determining where you may r ioving forward to the formal quiz for the	Test your knowledge Which of the following is a good example of homeostasis being maintained?
Part Your knowledge	 Sweating when you are running a race
Which of the following is a good example of home Sugar dissolving i	Sugar dissolving in a coffee
Natural progressio	Natural progressive hair loss
Sweating when you are	Leaves changing colors on the trees in the fail
Leaves changing colors on	۲
	Yup, you got it! Sweating, also known as diaphoresis, is the body's way of maintaining the internal temperature. Can you remember what signals this change? What is involved in the control system that facilitates this?

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.

-	detailed answers to the following questions. Please use complete sentences.
idered t betwee ptoms in ve ever alists, o es appro	In the the land of interface and dynatograp as set here. It story tops in a societ Corean Freedom is a find from d shares are coreand for general distances, methods the set and similar share pairs of the here are core and the set of the store of a store of the set of the s
	POS Trainer
	B / U FurtFunky +Ax+A & F = = = +
	0.020010
	1
	I Me ATDOMENT

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.

8

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.

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Osmosis is the movement of water through a semi-permeable membrane to maintain the volume of fluid in the cell. The same way that the difference in concentration drives diffusion, it also drives osmosis. Fluid travels from an area of high concentration of fluid volume is the same on both sides of the semi-permeable membrane, osmosis stops.



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.

O ► IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
it cc Cc Sc Noun: (biology, chemistry) dflusion of molecules through a semipermeable membrane from a place of higher concentration to a place of lower concentration until the concentration on both sides is equal

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.

permeal in the ce	is the S Z Z le membrane to main ll. The same way that ration drives diffusion	the difference	ne of fluid in
Fluid tra	vels from an area of h	igh	
concent	ation/volume to low	concentration	/volume.
When th	e concentration of flu	id volume is t	he same on
both sid	es of the semi-perme	able membrar	ne, osmosis

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.



UNIT 2 CRITICAL THINKING QUESTIONS

Critical Thinking Questions

 What would happen if, for some reason, your body water's able to maintain homeostal response to a streasor, either because of a failure in the contributespone system or because the streasor was to enform for your body to contract. Why would has happen? Privide an exempte of a failure to marketain homeostas in your answer.
 Explain the difference between diffusion and somoisi, providing examples of each.
 Emapte going ounside on a cost day whitout a jusciet. Explain the difference between diffusion and somoisi, providing examples of each.
 Emapte going ounside on a cost day whitout a jusciet. Explain the difference between diffusion and somoisi, providing examples of each.
 Emapte going ounside on a cost day whitout a jusciet. Explain your today's tomeostic exercise (sense bare used to build muscle mass quotide). Why see they called "anaboli 6. We offen these prode talk day to the body "hum" (duotes and other sugars to privide energy, but if's not a simple as your stomach juscierating use energy from 4. Explain the one califact energy cody darxaby brank actioning gluces and how the "therapy" ends up in the inner membrane of your mitochemise.

Grading Rubrics

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

GRADES	UNIT SUMMARY	FOR ME	
□ Name ∓↑	Score	Letter	Minute
Grey, Meredith	92.87%	A	0
House, Gregory	35.15%	F	0
Howser, Doogie	94.93%	A	0
Lockhart, Abby	79.24%	с	0
Pierce, Benjamin	81.69%	в	0

= ← Anatomy and Physiology 1a: Introduction - Grades 중 < Ⅲ Tanya House, Gregory				nyan			
GRADES	DASHBOARD	FOR ME	WHAT IF	ACTIVITY	A	ADTICS	BADGES
					GRAD	ING CATEGORIES	SYLLABUS ORDE
Score: 35.15%							
ishedule: Apr 6, 2020 - A	çer 6, 2021 1:59 AM (a year	remaining)					
	of gradable activities comp of all activities completed						
1 28.33%							
Activity		Location		Score	Status	Submitted date	Tarpet due data
Unit 1 Text Questions 0	hopbox	Unit 1: Human Br	ody Organization	32%	-		May 1, 2020
Unit 1 Lab Dropbox		Unit 1: Human Br	ody Organization	10%	×.		May 7, 2020
Unit 1 Activity Dropbox		Unit 1: Human Br	ody Organization	42%	~		May 13, 2020
Unit 1 Quiz		Unit 1: Human Body Organization		33.33%	~		May 19, 2020
Unit 1 Discussion 1		Unit 1: Human Body Organization		20%	~		May 21, 2020
Unit 1 Discussion 2		Unit 1: Human Body Organization		20%	~		May 25, 2020
2 31.44%							
Activity		Location		Score	Status	Submitted date	Tarpet due date
Unit 2 Text Questions 0	hobbox	Unit 2: Chemistry	y of the Body	20%	1		Jun 11, 2020
Unit 2 Lab Dropbox		Unit 2: Chemistry	y of the Body	30%	~		Jun 17, 2020
Unit 2 Activity Dropbox		Unit 2: Chemistry	y of the Body	40%	~		Jun 23, 2820
Unit 2 Quiz		Unit 2: Chemistry	y of the Body	\$2,32%	~		Jun 29, 2020
Unit 2 Discussion 1		Unit 2: Chemistry	of the Bady	03.	1		Jul 1, 2020

Grading Assignments & Personalized Feedback

Teachers have the flexibility to support their students in a variety of ways to personalize instruction.

TABLE Grading Rubric

Description of Depart

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.



ong Felder ster Minds 👻 - Unit 1: Human B	Verify Property
ster Minds + - Unit II: Human i	Generate groups
Unit Title	Group prefix
Unit Summary	Group
Unit Objectives	Group creation method Target number of students per group
Lesson 01	a gernanner er eradente per greup
Lesson 02	Number of students per group 4
Lesson 03	
Lesson 04	Group assignment Random

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.

□ Name ↑		Score	Time	Und	Int	Eff	Progress	Pace	Perf
Lockhart, Abby	ß	79.09%	00:24:26	•	•	•	21%	•	•

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

Assessment pool settings

		Configure assessment question pooling	Attempt mir 1
× Unit 2 Quiz	PREVIEW SAVE	15	
ACTIVITY SETTINGS QUESTIONS	HISTORY	Pool by question groups	Hide
Et,↔ ©+	Preview	Select a minimum number of questions to select from question groups	Show
1. Imagine a Greek mad scientist invent	1. Imagine a Greek mad scientist invented a	Pool by learning objectives	
2. What is a good example of homeosta	science-fiction gadget that he calls the "homeo" machine. What kind of	Select a minimum number of questions per learning	Allow durin
3. You touch a stinging nettle and feel a	machine is it most likely	objective	
4. You've reflexively pulled your hand b	Activity settings	ber of questions per question	Form
S. Your brain registers the painful sensa	Number of attempts		Reme
	Questions per page	·	Passwor
	1 Allow save and continue	• 	Scored atter Highest
	 Require answers Randomize question order Randomize response order 		Assessm

Advanced assessment options

Time limit in minutes	
15	T
Default question searc	
Default question score 1	
Attempt minimum	
1	▼
Allow printing	
Hide question	
Start assessm	
Show highlight	ter
Show answer e	eliminator
Allow students	s to take question notes
Allow students	s to take permanent, activity notes
during the ass	essment
Allow students	s to bookmark and review question
Formative ass	essment
Include format	tive in final grade and show score to
students	,
Remediation a	ssessment
Password	
Scored attempt	
Highest	

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.



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

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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

