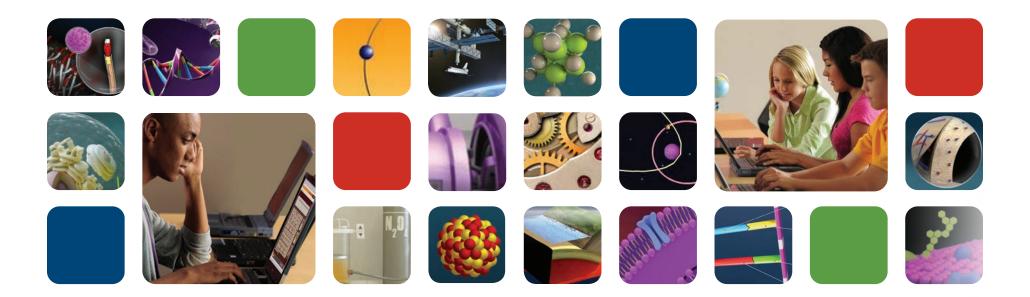


ac / TEKS science

Dynamic, Interactive Learning



Adaptive Curriculum TexasTM award-winning instructional solution builds middle and high school science mastery through dynamic, interactive learning. Our real-world active learning approach motivates learners to explore, make hypotheses, manipulate items, and see the impact of their decisions. Adaptive Curriculum TexasTM has more than 400 Activity and Animation Objects that are Texas Essential Knowledge and Skills (TEKS) aligned. These combined lessons and activities complement existing curriculums and address more than 1,300 Learner Outcomes. Its easy and flexible delivery allows it to be used for whole or small group or individual instruction. With Adaptive Curriculum TexasTM, students acquire core mastery through active participation in an immersive, differentiated and exciting learning environment that provides real-time feedback and assessment.



Adaptive Curriculum Texas™ Award-winning Instructional Solution

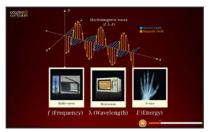
Our program builds middle and high school science mastery through dynamic, interactive learning. Unlike other programs developed from print, Adaptive Curriculum Texas[™] was developed as a digital solution to take full advantage of the online environment and cutting-edge instructional tools, such as interactive white boards.

Active Learning & Engagement

Adaptive Curriculum Texas[™] engages students to explore concepts, create and test hypotheses and manipulate items through an immersive learning environment. In addition, it offers:

- Differentiated instruction
- Real-time feedback
- Multimedia and multi-sensory delivery for different learning styles





Science Mastery through Dynamic, Interactive Learning

Adaptive Curriculum Texas[™] Activity and Animation Objects are built utilizing the most recent research and proven instructional strategies and pedagogy. Incorporating rich multimedia and real-world scenarios, Activity and Animation Objects are intentionally created to engage today's digital-age learners and promote active learning. This guided discovery approach builds deep concept mastery and lasting understanding.



Dynamic & Flexible

Adaptive Curriculum Texas[™] is web based and portable (access anywhere, anytime), providing teachers tremendous flexibility for application. Easy integration with white boards leverages school technology investments and provides opportunities for group learning, problem solving and discussion.

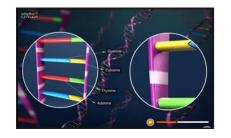
TEKS Alignment

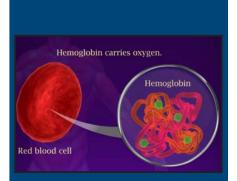
Activity and Animation Objects are created to build deep concept mastery of science, aligned to the Texas Essential Knowledge and Skills (TEKS) standards. Through *My Adaptive Space*, the Adaptive Curriculum Texas[™] product portal, teachers in Texas will be able to search for Activity and Animation Objects by topic, by textbook or by conducting a keyword search to create customized lesson plans by grouping different objects together and assigning them to students. Activity and Animation Objects are designed to:

- Accelerate learning

- Create active engagement for real-time feedback

- Provide access to online teacher guides and lesson assignment tools

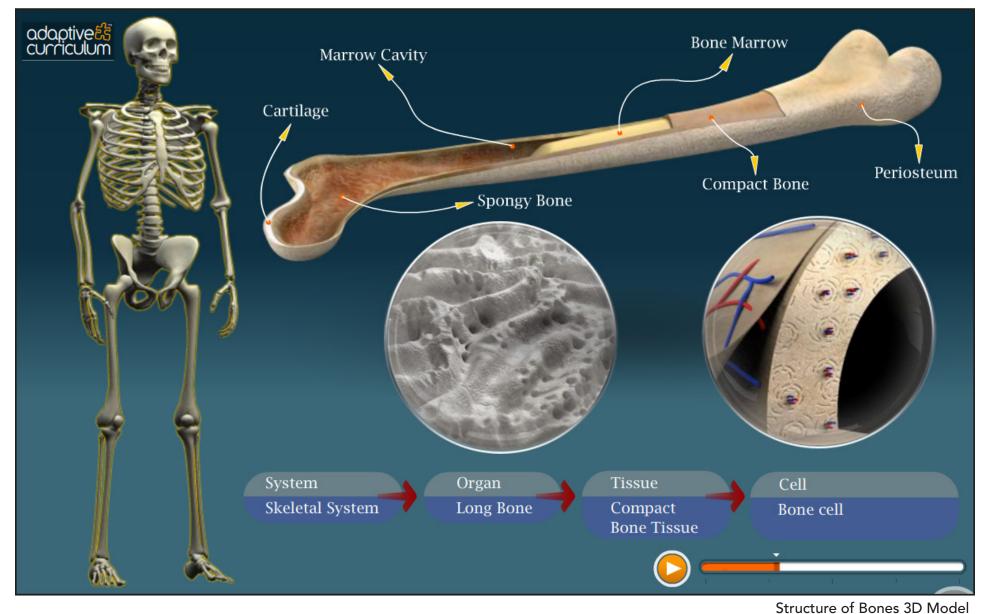




"Now when students get to the test, they have an image in their minds—something they can remember and relate the question to, and that is reflected in our test scores. Over the last two years, our science scores have gone up six or seven points a year."

Alma Cardenas-Rubio Principal Bestiero Middle School Brownsville, TX

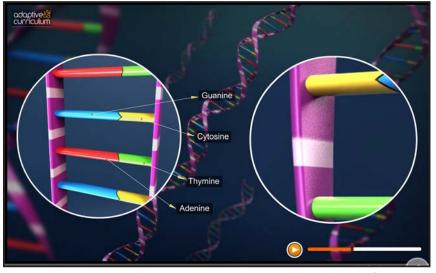
175 Science Activity Objects



Interactive 3D Model: These Activity Objects allow learners to explore scientific structures using interactive 3D models.

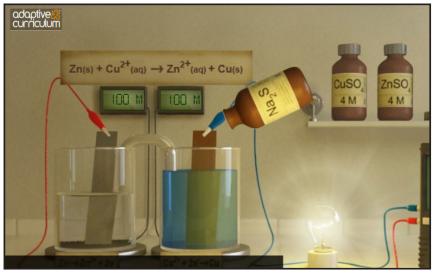


Concept Development: These Activity Objects introduce difficult concepts using real-world scenarios.



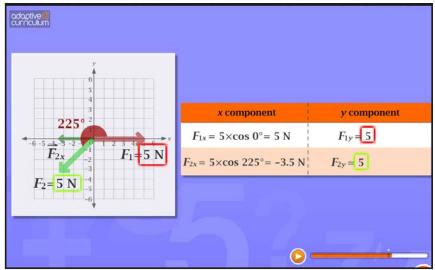
DNA Structure

Experiment: These Activity Objects engage learners in a virtual lab environment to develop inquiry skills.



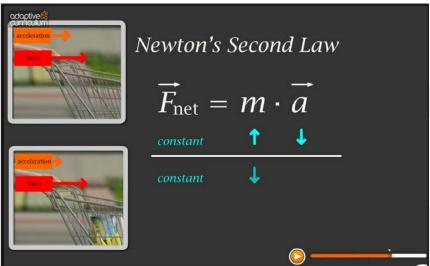
Batteries, Chemicals and Potential Difference

Skills Application: These Activity Objects help learners apply rules and procedures to strengthen computational skills.



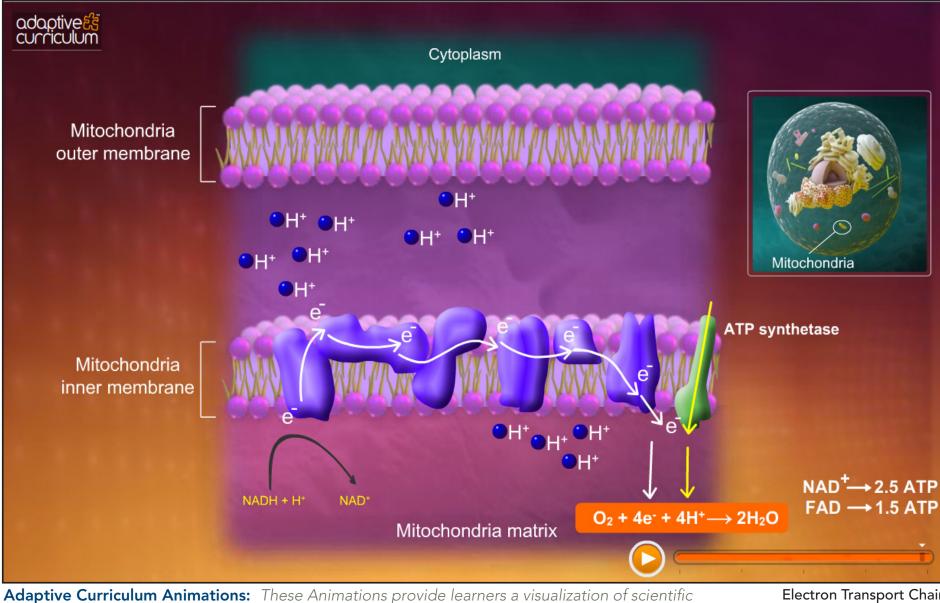
Combining Non-Perpendicular Forces

Problem Solving: These Activity Objects engage learners in problem-solving scenarios.



Solving Problems with Newton's Second Law

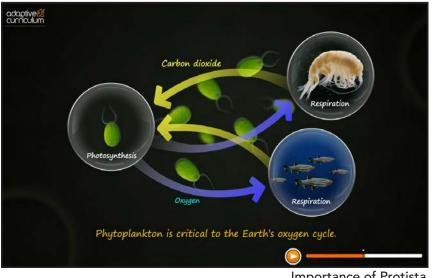
235 Science Animation Objects



concepts that can be applied to real-world scenarios.

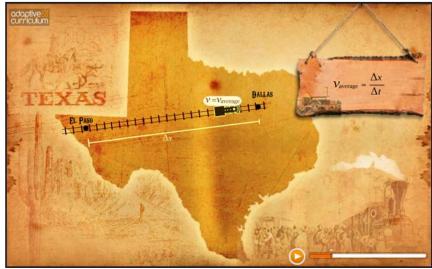
Electron Transport Chain

Biology



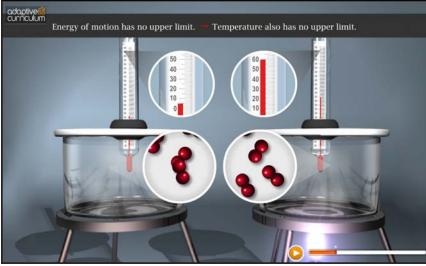
Importance of Protista

Physics



Instantaneous Velocity and Acceleration

Chemistry



Temperature Measurements

Integrated Physics and Chemistry



Uniform Circular Motion

Utilizing the 5E Instructional Model

Activity and Animation Objects are built on a design of structured instruction consisting of a carefully crafted sequence of activities to promote conceptual learning utilizing the 5E Instructional Model (BSCS, 2006; SCIS, 1973). The five-step process of the model includes:

1. Engage

This phase initiates the learning task and picques the interest of students.

2. Explore

This phase provides students with experiences designed to develop current concepts, processes and skills.

3. Explanation

This phase focuses students' attention on a particular aspect of their engagement and/or exploration experiences and provides a definition for a concept, process, skill, or behavior.

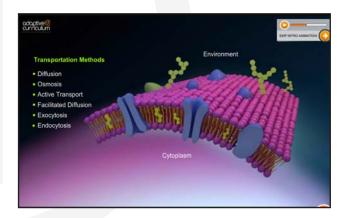
4. Elaboration

This phase challenges and extends students' conceptual understanding and allows further opportunity for students to practice desired skills and behaviors.

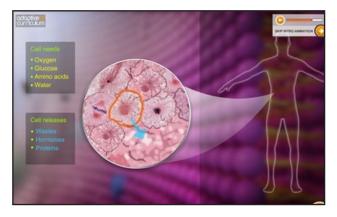
5. Evaluation

This phase assesses students' understanding and their ability to achieve proficiency over the Learner Outcomes.

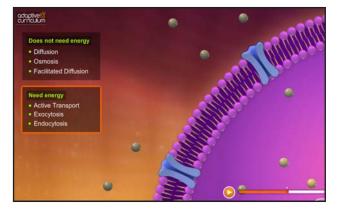
Anatomy of an Activity Object: Structure and Function of a Cell Membrane



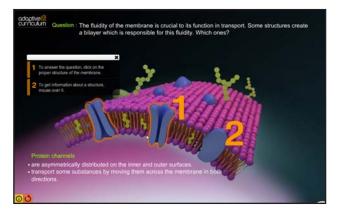
1. Engage: The concept and function of a cell structure and each of its components is explained in detail using realistic visuals and animation and presented in a real world context.



2. Explore & 3. Explain: Students explore cell structures more deeply and interact with cell processes. Further explanation is provided on core concepts.



4. Elaborate: Core Concepts are elaborated upon, leading to deeper understanding. Increasingly challenging assessment is layered with elaboration to provide richer learning opportunities.



5. Evaluate: Knowledge of a cell structure and its functionality is tested through a series of assessment questions.



Whole Group



Dynamic and Flexible

Adaptive Curriculum Texas[™] TEKS standards-based approach and modular structure adapt to any curriculum, offering teachers a powerful and flexible instructional resource. In addition, Adaptive Curriculum Texas[™] can be used anytime, anywhere and in a variety of settings, providing teachers with a wide array of application possibilities.

Small Group



Individual



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Professional Development

Adaptive Curriculum Texas[™] software is complemented by outstanding online and onsite professional development. Our professional development team works directly with school and district teams to ensure successful program implementation, including providing strategies to compliment existing curriculums to fully leverage and integrate Adaptive Curriculum Texas[™].

Adaptive Curriculum Texas[™] offers:

- Tiered Professional Development Options
- Onsite Professional Development
- Webcasts
- Robust Web support including video tutorials and product walkthroughs

Supplementary Tools

Teachers and students are also provided with a rich array of supplemental support materials.

Assessment Component

Assessments track student progress and report the results to teachers and students.

Activity Sheet

Activity Sheets are designed as student handouts and/or for formative assessments, as well as for school/ home communication. All Activity Sheets have Teachers' Editions for quick reference.

Teacher Guide

The Teacher Guide is essentially a comprehensive lesson plan. It is designed to provide detailed information on each Activity Object.

The information provided in the Teacher Guide includes:

- Background information on Activity Object content
- Strategies for engaging learners
- Strategies for overcoming learner misconceptions
- Real-world connections
- Aligning assessments with outcomes

EED	-411				Assessmen	t Result	
Juratio	in: 35:34.00				81 %		
AO	Mutualism Duration: 02:32.				Submit Date: 11 27 2010 15:44:3		
	QUESTION	STUDENT	CORRECT	RESULT			
	1	D	D	correct	correct	100%	
	2	A	A	correct	incorrect	0%	
	3	В	В	correct	blank	0%	
	4	С	С	correct			
	5	В	В	correct			
٩0	Mendel's Experiment Duration: 02:58:00				Submit Date: 11	27 2010 15:56:40	
	QUESTION	STUDENT ANSWER	CORRECT	RESULT			
	1	A	A	correct	correct	80%	
	2	В	В	correct	incorrect	20%	
	3	С	С	correct	blank	0%	
	4	D	D	correct			
	5	В	С	incorrect			
40	Life from Nonliving Things? Redi's Experiment Duration: 03:35.00 Submit Date: 11 27 2010 16:16					27 2010 16:16:3	
	QUESTION	STUDENT ANSWER	CORRECT ANSWER	RESULT			
	1	D	С	incorrect	correct	40%	
	2	A	В	incorrect	incorrect	60%	
	3	Α	A	correct	blank	0%	
	4	A	A	correct			
	5	с	D	incorrect			

My Adaptive Space: The Adaptive Curriculum Texas[™] Teacher Portal

Student Management and Reporting

Y CLASSES					
Class: My Class	3	0 Students		Dolete .m	Edit as
- Class: 7th Grad	le Algebra P1	5 Students		Delete #	Edit a
Bowen, Sandy	sandybowen		Delete	Remove	Edit
Palmer, Raymon	nd RAY		Delete	Remove	Edit
Roy, Carter	croy1		Delata	Remove	Edit
Sanders, Kyle	kylesanders		Delete	Remove	Edit
Smith, Brianna	BRIANNA		Delete	Remove	Edit
- Class: 7th Grad	le Science P3	5 Students		Delete #	Edit a
Dagle, Chris	9846		Delata	Remove	Edit
Guiterez, Jessic	a 93041		Delote	Remove	Edit
Moralies, Tiffany	902851		Delete	Remove	Edit
Reynolds, Patri	ok 920175		Delete	Remove	Edit
Sanders, Suzar	ne 96284		Delete	Remove	Edit
+ Class: Math Sc	ience Combined	4 Students		Delete #	Edit a

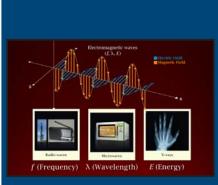
Simple navigation and student and class management.

Standards and Textbook Alignment

Middle School	
	Chamical Bending: Constent Compounds Molis Bonding: Constent Compounds In Addity Cogetar Introduces the scoreget of alterns sharing electrons to form cousted bonds, and teamers construct models of melescales with coulder funds. Add To causer fine: See Outsit: Page
	A Maskal Introduction to Chemical Permutas Mode Bohout - Seinne Laurens valde winder ja derimala formula to anting maskal notes. Add To Leasen Per
	Chemical Compounds: toric Bonding Mode Social - Soince Learners will be instituted to ionit, and the formation of anit: bands. Mot To Learner Mark
5	Atomic Model History: Early lakes to Thomson Model Bondu - Saime This Addally Opder preasts the volution of the concept of the storm from philosophers of ancient Cireco Is sany twentiem contany deas. Model Telescent Pre-
	Alonnic Modal History: From Rutherford to Bahr Modal Goods - Somes Maning - an Physican Modal. See models of Rutherford and Bohr are presented.
0 • Results per page	Add To Lesson Flam See Details Play 201 Invadia band 1 2 3 4 5 6 7 8 9 10

Adaptive Curriculum Activity and Animation Objects can be used to complement any curriculum. Alignment to TEKS, as well as a number of textbooks, makes planning with Adaptive Curriculum easy.

signment Report	Adaptive Curriculum
Biology for Teachers 2009	COMPLETED
같은 것 같아요	Duration 02:18:23
Assign Date: 05/12/2009 / Due Date: 05/11/2009	COMPLETED
A Mutualism	Duration 00 13 25
A Aerobic Respiration in Plants	COMPLETED
A Aerobic Respiration in Plants	Duration: 00:09:20
A Plants' Needs for Photosynthesis	COMPLETED
	COMPLETED
All Bees, Flowers and Pollination	Duration (0.11.16
	COMPLETED
AO Functions of Roots	Duration 00:06 18
A O Classification of Animals	COMPLETED
	Duration: 00:13:03
A Commensalism	COMPLETED
	COMPLETED
A Parasitism	Duration 00.03.23
19 Natural Selection	COMPLETED
a natural selection	Duration: 00:05:53
A Mendel's Experiment	COMPLETED
	COMPLETED
A DNA Structure	Duration (0) 02 21
	COMPLETED
A gent Organelles	Duration 00.13.30
A D The Structure of Bones	COMPLETED
	Duration: 00:08:57
A Digestive System	COMPLETED
	Duration 00:09 19



"What I liked from the start were the real life scenarios. Often when we teach something in class, students have nothing to relate it to in the real world. So they forget it. I could see that Adaptive Curriculum would help them remember concepts because it connects to real applications."

Alma Cardenas-Rubio Principal Bestiero Middle School Brownsville, TX

Reporting

Assignment Score Report					
Assignment: Altern	Assign Date: 09/05/2010				
Student	Class	Progress	The Density of Marbles	Properties of Solids, Liquids, and Gases	Heat Conduction of Different Materials
Brisbin, Kalea	ElSciMeth10	not Started	N/A	N/A	N/A
Brooks, Lyndon	ElSciMeth10	In Proccess	60%	100%	100%
Brown, Karena	ElSciMeth10	In Proccess	100%	100%	100%
Denette, Brigitte	ElSciMeth10	not Started	N/A	N/A	N/A
Dethlefsen, Katherine	ElSciMeth10	not Started	N/A	N/A	N/A
Eschler, Stacey	ElSciMeth10	in Process	100%	100%	100%
Hockenberry, Kristen	ElSciMeth10	not Started	N/A	N/A	N/A
Hogg, Paige	ElSciMeth10	not Started	N/A	N/A	N/A
Jones, Marissa	ElSciMeth10	In Proccess	100%	80%	100%
Lawrence, Aleksandra	ElSciMeth10	In Proccess	80%	100%	100%
Malone, Kayla	ElSciMeth10	not Started	N/A	N/A	N/A
Marrer, Califyn	ElSciMeth10	not Started	N/A	N/A	N/A
McBride, Kira	ElSciMeth10	not Started	N/A	N/A	N/A
McMahon, Stacy	ElSciMeth10	not Started	N/A	N/A	N/A
Mezger, Mark	ElSciMeth10	not Started	N/A	N/A	N/A
Moote, Alicia		In Process	N/A	N/A	N/A
Mordukhayev, Ilya	ElSciMeth10	not Started	N/A	N/A	N/A
Nathe, Rachel	ElSciMeth10	not Started	N/A	N/A	N/A
Nunez, Christina	ElSciMeth10	In Proccess	100%	100%	100%
Renteria, Mariela	ElSciMeth10	In Process	80%	80%	80%
Rodgers, Lauren	ElSciMeth10	In Proccess	100%	80%	100%

Clear and intuitive assessment reports.

.



//CODiE//













Awards

Best Virtual Learning Solution 2013 CODiE Award Winner Software & Information Industry Association

Best Virtual School Solution for Students

2012 CODiE Award Winner Software & Information Industry Association

Cool Tool Award 2012 Winner edtech digest

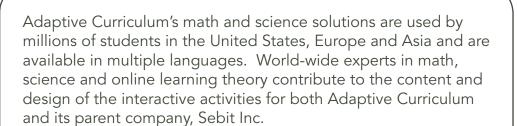
Best Online Instructional Solution 2009 CODiE Award Software & Information Industry Association

Teachers' Choice Award 2009 Learning *Magazine*

Education Newcomer of the Year 2008 CODiE Award Software & Information Industry Association

Rookie of the Year 2008 EdNET Award The Heller Reports and Quality Education Data

Best Middle School Math and Science Website 2008 EDDIE Award ComputED Learning Center



In the United States, Adaptive Curriculum has partnered with Arizona State University's Technology Based Learning Research Center, which provides pedagogical research, multi-disciplinary expertise and content collaboration. The company headquarters is located in the ASU SkySong Center for Innovation, Technology and Imagination.

Adaptive Curriculum

Arizona State University SkySong 1475 N. Scottsdale Road, , Suite 120 Scottsdale, AZ 85257-3538

More Information

Contact: Deb Beavers 254.495.2827 (Direct) 888.999.9319 (Toll Free) deb.beavers@adaptivecurriculum.com (Email) www.adaptivecurriculum.com/us/texas (website)

