

Meet the Requirements for TX Science Adoption

Instructional Delivery Methods		Adaptive Curriculum	
Tutorials	Adaptive Curriculum offers both hard copy and online, interactive tutorials that provide step-by-step instructions for utilizing the program.	The content is accurate and factual.	Adaptive Curriculum's partnership with Arizona State University's TBLR and use of rigorously screened content experts ensures concepts are taught at the highest level.
Drill and Practice	Where appropriate, the system self-generates questions to allow students abundant opportunities to apply and practice problem solving and computational skills.	The content is age appropriate.	All content in Activity Objects is screened for age and cultural appropriateness by content experts and focus groups.
Inquiry Based	Students make and test hypotheses and are given numerous opportunities to see the results of their actions.	The content is easy to comprehend.	Visual, auditory and kinesthetic delivery of instruction greatly increases learner understanding and addresses multiple learner preferences.
Simulations	Simulation Activity Objects (lessons) recreate real world events and scenarios and simulate lab environments and experiments.	The content is aligned with the 2010 TEKS.	As required by the Texas Science Adoption, Adaptive Curriculum Texas provides full coverage of and alignment to each new TEKS science standard.
Applications	Adaptive Curriculum provides learners opportunities to apply content skills in an interactive and engaging manner connecting to real world scenarios and/or applications.	The content is free from bias.	Adaptive Curriculum instructional content is factual and research based. All content goes through an extensive, peer reviewed vetting process before being published.
Problem-Solving	Problem Solving Activity Objects (lessons) introduce concepts and then engage learners in problem solving scenarios that require processing skills or higher level, critical thinking skills.	The content requires active learning on the part of student.	Adaptive Curriculum was specifically designed from the ground up to engage learners and promote active learning. Its real-world active learning approach motivates learners to explore, make hypotheses, manipulate items and see the impact of their decisions.
Game/Interactive Features	Adaptive Curriculum was created with digital learners in mind and presents a game-like/interactive learner environment.	The content gives students more than one opportunity for mastery.	Formative feedback embedded in every lesson gives real time feedback and multiple opportunities and pathways to mastery.
Review	The ability to navigate freely through discrete sections of any Activity Object provides the flexibility to move to and review specific skills, standards and learner objectives throughout a lesson.	The content can be used by teacher to deliver classroom instruction.	Adaptive Curriculum is fully compatible with interactive whiteboards and presentation equipment, making it an ideal whole group instructional tool.
Formative Assessment	Each Activity Objects concludes with a formative assessment that tests student proficiency of established learner objectives, standards and skills. In addition, strategically placed questions throughout the Activity Objects provide multiple opportunities to formally assess a learner's progress toward the stated Learner Objectives.	The content supports the use of effective research-based instructional strategies by the teacher.	Adaptive Curriculum is based upon the latest instructional research and strategies and utilizes the 5E instructional model (Engage, Explore, Explain, Elaborate, Evaluate).
Promotes Higher Order Thinking	Activity 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.	The content is engaging.	Adaptive Curriculum utilizes rich multimedia and graphics and addresses multiple learning preferences. Adaptive Curriculum's dynamic and interactive learning environment provides the needed engagement for students to explore concepts, create and test hypotheses, manipulate items, and see the impact of their decisions.

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Ease of Use	Adaptive Curriculum
The directions are clear and easy to follow.	Adaptive Curriculum provides both auditory and visual instruction. At any time, students have access to the specific instructions for each phase of a lesson.
The program is interactive.	Adaptive Curriculum was intentionally designed to maximize student engagement, interactivity and to promote active learning.
The program is easy to navigate.	Adaptive Curriculum's intuitive layout makes navigation straightforward and simple.
The students can exit the program at any time.	Adaptive Curriculum allows learners to exit and enter the program at will and move to specific sections within individual lessons.
The program saves students work.	All student work and assessment results are saved within the system database.
The program gives positive and corrective feedback.	Adaptive Curriculum's built-in formative assessment and real-time feedback provides learners with a continuous feedback loop and multiple opportunities to achieve mastery.
The program allows child to practice old and new skills.	Students can access previously learned lessons and choose to reinforce their skills by repeating those exercises before moving onto a new Activity Object.
The program is flexible and can be used in a variety of instructional settings including whole class, small group and individual instruction.	Adaptive Curriculum can be used for whole or small group or individual instruction.

Support Materials	Adaptive Curriculum
The program has a teacher's guide.	Each Activity Object is accompanied by an extensive Teacher's Guide that provides content background and explanations, a summary of lessons and suggested instructional strategies.
The program has printed and understandable instructions.	Instructions are straightforward and printable.
The instructions and help functions are easy to access.	Adaptive Curriculum provides numerous supports and intuitive help functions.
There are supplemental resources and ideas to extend student learning.	Each Activity Object is accompanied by student worksheets that provide additional learning opportunities and activities. Built-in Teacher Guides also provide additional suggestions on extending activities and differentiation.

Technical Quality	Adaptive Curriculum
The installation and setup are easy.	Adaptive Curriculum is web based and requires minimal setup and installation.
The program loads quickly & is error-free.	Adaptive Curriculum continuously monitors, edits and revises content to ensure the latest data and error-free content is available.
The program is visually stimulating with animation, color, and graphics.	Adaptive Curriculum incorporates rich multimedia and graphics.

Assessment	Adaptive Curriculum
The program has a pre-assessment.	
The program has a post-assessment.	Each Activity Object and Animation includes a post assessment.
The program records individual student data.	Adaptive Curriculum records individual student data.
The program keeps an on-going record of a students' progress.	Adaptive Curriculum records student progress.
Teachers can assess students by evaluating progress.	Adaptive Curriculum's reporting system allows teachers to evaluate student progress.
Assessment items are TEKS formatted and based upon the learning objectives.	Assessment questions are TEKS aligned and test proficiency toward learning objectives.