Program: ALEKS CA Algebra 1
Publisher: ALEKS Corporation
Grade Level(s): 8

Category 1: Mathematics content/Alignment with the Standards

Mathematics materials should support teaching to the *Common Core State Standards for Mathematics with California Additions*. Instructional materials suitable for adoption must satisfy the following criteria:

Mathematics Content/Alignment with the Standards	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
1. The mathematics content is correct, factually accurate, and written with precision. Mathematical terms are defined and used appropriately. Where the standards provide a definition, materials use that as their primary definition to develop student understanding.	See Content List, ALEKS Dictionary, and Standards Report in Teacher Account.	See Course View and Standards View in Content Review Account.			
2. The materials in basic instructional programs support comprehensive teaching of the *Common Core State Standards for Mathematics with California Additions* and include the standards for mathematical practice at each grade level or course.	See the Standards Report in the Teacher Account to view all standards covered by a course and the corresponding ALEKS topics.	Standards View in Content Review Account to see alignment of course content to CCSS with California Additions.			
3. In any single grade in the kindergarten through grade eight sequence, students and teachers using the materials as designed spend the large majority of their time on the major work of each grade.	See Content List in Teacher Account for a list of all topics covered by the course and sample problems and explanations.	See the Content Review Account.			
4. Focus: In aligned materials there are no chapter tests, unit tests, or other assessment components that make	All assessments and quizzes cover only course material, and each course is grade-level	Content that addresses areas outside of the CCSS with California Additions			

Mathematics Content/Alignment with the Standards	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
students or teachers responsible for any topics before the grade in which they are introduced in the Standards. (One way to meet this criterion is for materials to omit these topics entirely prior to the indicated grades.) If the materials address topics outside of the *Common Core State Standards for Mathematics with California Additions,* the publisher will provide a mathematical and pedagogical justification.	appropriate. See the content list in the Teacher Account for a complete list of every topic that is covered in the course. Teachers may also use the Content Editor to remove specific topics from the course (not all topics may be removed).	are in the course as pre-requisite material necessary for the understanding of course material. Students may be missing knowledge of this pre-requisite material. ALEKS finds and fills these knowledge gaps, so that the student will be successful learning grade-level material.			
5. Focus and Coherence through Supporting Work: Supporting clusters do not detract from focus, but rather enhance focus and coherence simultaneously by engaging students in the major clusters of the grade.	See the content list in the Teacher Account for a list of every topic area and topic covered in the course.	Adaptive nature and presentation of Ready to Learn Topics only enhances coherence and focus of learning.			
6. Rigor and Balance: Materials and tools reflect the balances in the Standards and help students meet the Standards' rigorous expectations, by all of the following:					
a. Developing students' conceptual understanding of key mathematical concepts, where called for in specific content standards or cluster headings,	See the Content List in the Teacher Account. See also Standards View in Content Review Account.	ALEKS supports instruction that reinforces conceptual understanding by reporting on when a student is ready to learn a			

Mathematics Content/Alignment with the Standards	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
including connecting conceptual understanding to procedural skills.		content standard. Teachers use the data in the reports to determine when to teach specific external lessons (whole-class, small-group, or one-on-one).			
b. Giving attention throughout the year to individual standards that set an expectation of fluency.	See Content List or Standards Report in Teacher Account or Standards View in Content Review Account.	Because ALEKS algorithmically generates its problems, there are an unlimited number of worked examples for each topic and standard.			
c. Allowing teachers and students using the materials as designed to spend sufficient time working with engaging applications, without losing focus on the major work of each grade.	ALEKS improves the efficiency and effectiveness of learning by automatically finding and filling students' individual knowledge gaps. Teachers also save administrative time because ALEKS automates grading and certain aspects of class management. Instructionally-actionable data of student knowledge of course material in ALEKS reports give teachers the information to facilitate application-based projects.				

Mathematics Content/Alignment with the Standards	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
7. Consistent Progressions: Materials are consistent with the progressions in the Standards, by (all of the following):					
a. Basing content progressions on the grade-by-grade progressions in the Standards.	Each course provides rigorous instruction on grade-level appropriate standards. See the Content List and Standards Report in the Teacher Account.	Select "Standards View" in the Content Review Account.			
b. Giving all students extensive work with grade-level problems.	Because ALEKS algorithmically generates its problems, there are an unlimited number of worked examples for each topic and standard. See Learning Mode in Student Account.	Content Review Account – You can see an unlimited number of problems for each topic. Select "Practice" or refresh your screen.			
c. Relating grade-level concepts explicitly to prior knowledge from earlier grades.	ALEKS is a mastery-based system that requires students to thoroughly understand topics and fill in their gaps in knowledge before moving on to more complex topics that require prerequisite skills. See Content List in Teacher Account.	Select "Standards View" in the Content Review Account for a list of California's Common Core State Standards for Algebra 1 by strand and sub-strand, and the corresponding ALEKS topic covering each standard.			
8. Coherent Connections: Materials foster coherence through					

Mathematics Content/Alignment with the Standards	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
connections at a single grade, where appropriate and where required by the Standards, by (all of the following):					
a. Including learning objectives that are visibly shaped by CCSSM cluster headings, with meaningful consequences for the associated problems and activities.	See the Standards Report in the Teacher Account to view a breakdown of standards covered by the course and the corresponding ALEKS topics, as well as example problems for each topic.	Textbook integration feature allows teachers to set intermediate objectives			
b. Including problems and activities that serve to connect two or more clusters in a domain, or two or more domains in a grade, in cases where these connections are natural and important.	See the Standards Report in the Teacher Account to view a breakdown of standards covered by the course and the corresponding ALEKS topics, as well as example problems for each topic.				
9. Practice-to-Content Connections: Materials meaningfully connect content standards and practice standards.	See the Standards Report in the Teacher Account to view a breakdown of standards covered by the course and the corresponding ALEKS topics, as well as example problems for each topic.	Standards View in the Content Review Account			
10. Focus and Coherence via Practice Standards: Materials promote focus and coherence by connecting	See the Standards Report in the Teacher Account to view a breakdown of standards	Standards View in the Content Review Account			

Mathematics Content/Alignment with the Standards	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
practice standards with content that is emphasized in the Standards.	covered by the course and the corresponding ALEKS topics, as well as example problems for each topic.				
11. Careful Attention to Each Practice Standard: Materials attend to the full meaning of each practice standard.	See the Standards Report in the Teacher Account to view a breakdown of standards covered by the course and the corresponding ALEKS topics, as well as example problems for each topic.	Standards View in the Content Review Account.			
12. Emphasis on Mathematical Reasoning: Materials support the Standards' emphasis on mathematical reasoning, by all of the following:					
a. Prompting students to construct viable arguments and critique the arguments of others concerning key grade-level mathematics that is detailed in the content standards (cf. MP.3).	ALEKS uses open-ended, true free-response questions as opposed to multiple-choice questions. Students must produce authentic input that demonstrates actual knowledge rather than lucky guessing. Work on problem-solving, reasoning and justification is completed while in ALEKS Learning Mode.	Teachers can prompt this activity by creating lessons based on the content and the student data in ALEKS Reports.			

Mathematics Content/Alignment with the Standards	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
b. Engaging students in problem solving as a form of argument.	ALEKS uses open-ended, true free-response questions as opposed to multiple-choice questions. Students must produce authentic input that demonstrates actual knowledge rather than lucky guessing. Work on problem-solving, reasoning and justification is completed while in ALEKS Learning Mode.				
c. Explicitly attending to the specialized language of mathematics.	The ALEKS Dictionary provides definitions and explanations for mathematical terms. Terms in the problems and explanations are hyperlinked to the ALEKS Dictionary so that students can easily access the definition and fully understand the concept.	See Content List in Teacher account or Course View in Content Review Account to evaluate precise language used in problems and explanations.			
d. Materials help English learners access challenging mathematics, learn content, and develop grade-level language.	ALEKS for mathematics is fully English/Spanish bilingual. In ALEKS, students can switch between English and Spanish using the language toggle. The entire ALEKS Student Module (interface and all content) will be translated.	Being able to see the same problem in both English and Spanish will assist bilingual students in increasing their English mathematical vocabulary.			

Category 2: Program Organization

The organization and features of the instructional materials support instruction and learning of the Standards. Teacher and student materials include such features as lists of the standards, chapter overviews, and glossaries. Instructional materials must have strengths in these areas to be considered suitable for adoption.

Program Organization	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
1. A list of *Common Core State Standards for Mathematics with California Additions* is included in the teacher's guide together with page number citations or other references that demonstrate alignment with the content standards and standards for mathematical practice. All standards must be listed in their entirety with their cluster heading included.	See the Standards Report in the Teacher Account to view a breakdown of standards covered by the course and the corresponding ALEKS topics, as well as example problems for each topic.				
2. Materials drawn from other subject-matter areas are consistent with the currently adopted California standards at the appropriate grade level, including the *California Career Technical Education Model Curriculum Standards* where applicable.	ALEKS does not include materials drawn from other subject matter areas.				
3. Intervention components, if included, are designed to support students' progress in mathematics	ALEKS is both a grade-level tool and an intervention tool, as it is a tool that adapts to individual				

Program Organization	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
and develop fluency. Intervention materials should provide targeted instruction on standards from previous grade levels and develop student learning of the standards for mathematical practice.	students. The ALEKS Artificial Intelligence determines what the student has mastered, not mastered, and is ready to learn. ALEKS then presents a personalized learning path that adapts to each student's individual educational needs. ALEKS continuously optimizes and updates students' learning paths by targeting students' gaps in knowledge and addressing weaknesses.				
4. Middle school acceleration components, if included, are designed to support students' progress beyond grade-level standards in mathematics. Acceleration materials should provide instruction targeted toward readiness for higher mathematics at the middle school level.	ALEKS is self-paced and mastery-based. With a valid and active subscription, students who have accelerated beyond grade-level material can move on to the next course.				
5. Teacher and student materials contain an overview of the chapters, clearly identify the mathematical concepts, and include tables of contents, indexes,	See the content list in the Teacher Account for a Table of Contents containing all the topics covered by the course. Students can see an overview				

Program Organization	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
and glossaries that contain important mathematical terms.	of all the topics in the course with the ALEKS Pie, which you may view in the Student Account. The ALEKS Pie provides a visual of all the topics in the course and the exact topics students have mastered under each topic area. The ALEKS Dictionary provides definitions and explanations for mathematical terms in ALEKS problems and explanations.				
6. Support materials are an integral part of the instructional program and are clearly aligned with the *Common Core State Standards for Mathematics with California Additions.*	All materials are in the ALEKS program. There are no support materials.				
7. The grade-level content standards and the standards for mathematical practice demonstrating alignment to student lessons shall be explicitly stated in the student editions.	See the Standards Report in the Student Account for a list of all the standards covered in the course. In this report, students may also view the exact topics they have mastered corresponding to each standard.				

Category 3: Assessment

Instructional materials should contain strategies and tools for continually measuring student achievement. Formative assessment is a systematic process to continuously gather evidence and provide feedback about learning while instruction is under way. Formative assessments can take multiple forms and occur over varied durations of time. They are to be used to gather information about student learning and to address student misunderstandings. Formative assessments are to provide guidance for the teacher in determining whether the student needs additional materials or resources to achieve grade-level standards and conceptual understanding. Instructional materials in mathematics must have strengths in these areas to be considered suitable for adoption:

Assessment	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
1. Not every form of assessment is appropriate for every student or every topic area, so a variety of assessment types need to be provided for formative assessment. Some of these could include (but is not limited to) graphic organizers, student observation, student interviews, journals and learning logs, exit ticket activities, mathematics portfolios, self- and peer-evaluations, short tests and quizzes, and performance tasks.	ALEKS offers a variety of types of assessment, including the adaptive Initial Assessment, progress assessments, quizzes, and worksheets. All assessments are individualized to each student. Quizzes and worksheets are teacher-created materials using ALEKS content and automatically graded by ALEKS.				
2. Summative assessment is the assessment of learning at a particular time point and is meant to summarize a learner's skills and knowledge at a given point of time. Summative assessments frequently come in the form of chapter or unit	Before starting the course, students take the adaptive Initial Assessment which identifies each student's individual knowledge state in order to configure their personalized learning path.	Teachers may also create quizzes and homework using ALEKS content and automatically-graded by ALEKS. Quizzes and homework do not affect student's Pie Charts but are			

Assessment	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
tests, weekly quizzes, end-of-term tests, or diagnostic tests.	Throughout an ALEKS course, the student periodically completes ALEKS progress Assessments, which focus on topics students have recently learned. ALEKS uses the results of progress assessments to adjust the system's detailed map of students' knowledge of the course. Near the end of a course, teachers can elect for students to complete a comprehensive assessment for the course. This assessment tests mastery of material in the entire course. If students complete a comprehensive assessment and show mastery of all topics, they will fill their entire ALEKS Pie and reach 100% mastery of the course.	instruments used by a teacher to reinforce specific standards and concepts.			
3. All assessments should have content validity and measure individual student progress both at regular intervals and at strategic points of instruction. The assessments should be designed to: • Monitor student progress	Throughout an ALEKS course, students periodically complete ALEKS progress Assessments, which focus on topics they have recently learned. These assessments determine what students know, do not know,	See ALEKS Student Account to take an initial assessment. Work in Learning Mode through five hours or twenty topics to trigger a progress assessment. Create a quiz			

Assessment	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
toward meeting the content and mathematical practice standards. • Assess all three aspects of rigor: conceptual understanding, procedural skill and fluency, and applications. • Provide summative evaluations of individual student achievement. • Provide multiple methods of assessing what students know and are able to do, such as selected response, constructed response, real-world problems, performance tasks, and open-ended questions. • Assist the teacher in keeping parents and students informed about student progress.	and are ready to learn. ALEKS uses this information to continually update and optimize the students' personalized learning paths. The results of the assessments, as well as data from work students complete in Learning Mode, are used to create ALEKS' comprehensive, real-time reports. These reports provide both students and teachers with a plethora of information regarding progress toward mastering topics and meeting state standards.	in the Teacher Account and then take the quiz as a student.			
4. Intervention aspects of mathematics programs should include initial assessments to identify areas of strengths and weaknesses, formative assessments to demonstrate student progress toward meeting	Before starting the course, students take the adaptive Initial Assessment, which creates a comprehensive map of each student's knowledge state. Throughout the course, ALEKS provides students with				

Assessment	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
grade-level standards, and a summative assessment to determine student preparedness for grade-level work.	periodic progress assessments to identify weaknesses, provide targeted instruction, and continually update their learning paths. Near the end of a course, teachers can elect for students to complete a comprehensive assessment for the course. This assessment tests mastery of material in the entire course. If students complete a comprehensive assessment and show mastery of all topics, they will fill their entire ALEKS Pie and reach 100% mastery of the course.				
5. Suggestions on how to use assessment data to guide decisions about instructional practices and how to modify instruction so that all students are consistently progressing toward meeting or exceeding the standards should be included.	Suggestions, techniques, and tips are part of the free training included with the purchase of ALEKS subscriptions.	Visit the ALEKS website to access the Implementations Strategies Database at http://www.aleks.com/k12/implementations. Teachers can use the database to learn more about how other educations have successfully implemented ALEKS. ALEKS also hosts an interactive forum at http://www.aleks.com/k12/			

Assessment	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
		community where teachers can answer each other's questions and share strategies, tips, and information on teaching with ALEKS.			
6. Assessments that ask for variety in what students produce, answers and solutions, arguments and explanations, diagrams, mathematical models.	All ALEKS assessments, including the Initial Assessment and progress assessments, draw from a variety of topics and require students to produce authentic input using the Answer Editor. The Answer Editor also requires students to input answers for multiple representations of mathematical entities, such as plotting points on a graph, creating a bar graph, drawing a scatterplot, using a virtual protractor, or measuring with a digital ruler.				
7. Assessment tools for grades six through eight help to determine student readiness for Common Core Algebra I and Common Core Mathematics I.	ALEKS Initial Assessment. Also, we have a product called MS RtI Assessment that determines student readiness for grade-level work.				

Assessment	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
8. Middle school acceleration aspects of mathematics programs include an initial assessment to identify areas of strengths and weaknesses, formative assessments to demonstrate student progress toward exceeding grade-level standards, and a summative assessment to determine student preparedness for above grade-level work.	ALEKS Initial Assessment, progress assessments, comprehensive assessments.	ALEKS works at the individual student level, so the workflow is generally the same, no matter what group (intervention, grade-level, gifted, etc.) the student has been placed into.			

Category 4: Universal Access

Students with special needs must be provided access to the same standards-based curriculum that is provided to all students, including both the content standards and the standards for mathematical practice. Instructional materials should provide access to the standards-based curriculum for all students, including English learners, advanced learners, students below grade level in mathematical skills, and students with disabilities. Instructional materials in mathematics must have strengths in these areas to be considered suitable for adoption:

Universal Access	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
1. Comprehensive guidance and differentiation strategies, based on current and confirmed research, to adapt the curriculum to meet students' identified special needs and to provide effective, efficient instruction for all students. Strategies may include: • Working with students' misconceptions to strengthen their conceptual understanding. • Intervention strategies that describe specific ways to address the learning needs of students using rich problems that engage them in the mathematics reviewed and stress conceptual development of topics rather than focusing only on procedural skills. • Suggestions for reinforcing or expanding the curriculum.	ALEKS employs a number of instructional strategies to support student learning. As a mastery-based program, students work at their own pace. The program is flexible and because it works at the individual student level, it accommodates the diverse needs of students by employing strategies that have been shown through research to be the most effective (e.g., immediate feedback, open-response questions, worked examples, detailed explanations). The program supports teachers in their instructional efforts as well.	These topics are covered in the free training that is included with the purchase of ALEKS subscriptions.			

Universal Access	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
• Additional instructional time and additional practice, including specialized teaching methods or materials and accommodations for students with special needs. • Help for students who are below grade level, including more explicit explanations with ample and different opportunities for review and practice of both content and mathematical practices standards, or other assistance that will help to accelerate student performance to grade level. • Technology may be a used to aid in the implementation of these strategies.					
2. Strategies for English learners that are consistent with the English Language Development Standards adopted under *Education Code* Section 60811. Materials incorporate strategies for English learners in both lessons and teacher's editions, as appropriate, at every grade level and course level.	ALEKS for mathematics is fully English/Spanish bilingual. In ALEKS, students can switch between English and Spanish using the language toggle. The entire ALEKS Student Module (interface and all content) will be translated. Since the language barrier is mitigated, ALEKS is able to target a	Language acquisition is not necessarily an indicator of mathematical knowledge. ALEKS allows students to work at their true levels of mathematical knowledge (so they don't fall behind in math) even as they are learning English language skills.			

Universal Access	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
	bilingual student's learning gaps more accurately and facilitate the student's success at learning mathematical material				
3. Materials incorporate instructional strategies to address the needs of students with disabilities in both lessons and teacher's editions, as appropriate, at every grade level and course level, pursuant to *Education Code* section 60204(b)(2).	The program is flexible and because it works at the individual student level, it accommodates the diverse needs of students by employing strategies that have been shown through research to be the most effective (e.g., immediate feedback, open-response questions, worked examples, detailed explanations). The program supports teachers in their instructional efforts as well.	Additionally, the ALEKS Pie Report, which you may view in the Teacher Account, provides support for the easy creation of achievable IEPs on a student's present level of performance, progress history, and progress toward mastery of standards.			
4. Teacher and student editions include thoughtful and well-conceived alternatives for advanced students and that allow students to accelerate beyond their grade-level content (acceleration) or to study the content in the *Common Core State Standards for Mathematics with California Additions* in greater depth or complexity (enrichment).	With a valid and active subscription, students who complete a course can move onto the next course for the duration of the subscription.	Class Resources Feature also allows teachers to load into ALEKS open educational resources (OERs) as materials for enrichment projects.			

Universal Access	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
5. Materials should help students understand and use appropriate academic language and participate in discussions about mathematical concepts and reasoning. Materials should include content that is relevant to English learners, advanced learners, students below grade level in mathematical skills, and students with disabilities.	Readability of the ALEKS text components is measured by grade levels. The reading level of ALEKS K-12 products is purposefully kept as low as possible. In order to facilitate success in ALEKS, students should be able to read at least at a third grade level. Problems and explanations use simple, clear, and precise language.	See ALEKS problems, explanations, and dictionary in Student Account.			
6. Materials help English learners access challenging mathematics, learn content, and develop grade-level language. For example, materials might include annotations to help with comprehension of words, sentences and paragraphs, and give examples of the use of words in other situations. Modifications to language do not sacrifice the mathematics, nor do they put off necessary language development.	See ALEKS Student Account for bilingual toggle and ALEKS Dictionary.	Language acquisition is not necessarily an indicator of mathematical knowledge. ALEKS allows students to work at their true levels of mathematical knowledge (so they don't fall behind in math) even as they are learning English language skills.			
7. Materials are consistent with the strategies found in Response to Intervention and Instruction	ALEKS offers within one product what the National Center on Response to Intervention calls the "Essential Components of				

Universal Access	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
(http://www.cde.ca.gov/ci/cr/ri/).	RtI." The essential components are: 1. Multi-level Prevention System: ALEKS has created several specialized courses for students at varying competency levels. 2. Screening: ALEKS has an embedded screening tool to precisely identify students' learning gaps and needs. 3. Progress-Monitoring: ALEKS has built-in progress assessments that will check for student retention. If students cannot demonstrate mastery of a concept in the assessment, the concept will be placed back into their learning path for them to re-master. ALEKS has also created several robust and comprehensive reports for teachers, administrators, students, and parents to monitor student progress towards meeting class goals and state standards. 4. Data-based Decision				

Universal Access	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
	Making: Teachers can use the robust, real-time ALEKS reports to plan their daily instruction, target student gaps in knowledge, and spend more time one-on-one with intervention students.				
8. The visual design of the materials does not distract from the mathematics, but instead serves to support students in engaging thoughtfully with the subject.	The visual design of ALEKS is simple and clean, and the interface is very easy to navigate through. The ALEKS Pie provides extrinsic motivation (students want to fill the Pie) and engages them in their learning. Visual elements serve learning purposes in ALEKS. See ALEKS Student Account.				

Category 5: Instructional Planning

Instructional materials must contain a clear road map for teachers to follow when planning instruction. Instructional materials in mathematics must have strengths in these areas to be considered suitable for adoption:

Instructional Planning and Support	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
1. A teacher's edition with ample and useful annotations and suggestions on how to present the content in the student edition and in the ancillary materials, including modifications for English learners, advanced learners, students below grade level in mathematical skills, and students with disabilities.	See ALEKS Teacher Account. Additional instructional support is provided by ALEKS Certified Trainers in the free training sessions that are included with the purchase of ALEKS subscriptions.	Visit the ALEKS website to access the Implementations Strategies Database at http://www.aleks.com/k12/implementations. Teachers can use the database to learn more about how other educations have successfully implemented ALEKS. ALEKS also hosts an interactive forum at http://www.aleks.com/k12/community where teachers can answer each other's questions and share strategies, tips, and information on teaching with ALEKS.			
2. A list of program lessons in the teacher's edition, cross-referencing the standards covered and providing an estimated instructional time for each lesson, chapter, and unit.	See the Standards Report in the Teacher Account for a list of all the standards covered by the course and the corresponding ALEKS topics. Teachers may view the percentage of				

Instructional Planning and Support	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
	students who have mastered a particular standard, allowing them to focus instruction on topics the majority of students are ready to learn and make classroom time maximally efficient.				
3. Unit and lesson plans, including suggestions for organizing resources in the classroom and ideas for pacing lessons.	See the content list in the Teacher Account for a complete list of ALEKS topics covered in the course. Teachers may use this list to organize instruction of topics by topic area. The textbook integration feature in the ALEKS Teacher Account also supports the incorporation of class syllabi and pacing guides. The Class Resources Feature can be used to organize external resources for student use.	You may also visit the ALEKS Implementations Strategies Database at http://www.aleks.com/k12/implementations. Teachers can use the database to learn more about how other educations have successfully implemented ALEKS. ALEKS also hosts an interactive forum at http://www.aleks.com/k12/community where teachers can answer each other's questions and share strategies, tips, and information on teaching with ALEKS.			
4. A curriculum guide for the academic instructional year.	See the content list in the Teacher Account for a complete list of ALEKS topics	The textbook integration feature can also reorder ALEKS content to line up with			

Instructional Planning and Support	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
	covered in the course. Teachers may use this list to organize instruction of topics by topic area.	textbook chapters, syllabi, and pacing guides.			
5. All components of the program are user friendly and, in the case of electronic materials, platform neutral.	The only material needed in order to use ALEKS is a computer with Internet connection that meets ALEKS system requirements, The minimum system requirements are such that ALEKS can be used on all nearly any computer. ALEKS is also supported with all standard browsers. Please visit http://www.aleks.com/support/system_requirements for more details.	ALEKS works on all major platforms and their supported browsers. System requirements are very low to accommodate the widest group of users.			
6. Answer keys for all workbooks and other related student activities.	ALEKS automatically grades all quizzes and worksheets. Quiz results are sent to the teacher in a downloadable report. The answer keys for all worksheets are also sent automatically to the teacher.				
7. Concrete models, including manipulatives, support instruction of the *Common Core State*	ALEKS does not contain manipulatives.				

Instructional Planning and Support	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
Standards for Mathematics with California Additions and include clear instructions for teachers and students.					
8. A teacher's edition that explains the role of the specific grade-level mathematics in the context of the overall mathematics curriculum for kindergarten through grade twelve.	Not available.				
9. Technical support and suggestions for appropriate use of audiovisual, multimedia, and information technology resources.	Our highly-trained Customer Support Specialists can answer any general or technical question you may have about use or implementation of ALEKS. An ALEKS Customer Support Specialist is available by phone at (714) 619-7090 on Sunday from 4:00 PM to 1:00 AM, Monday through Thursday from 7:00 AM to 1:00 AM, and Friday from 7:00 AM to 9:00 PM. All hours are in Eastern Time. Additionally, questions and requests may be submitted 24/7/365 online at http://www.support.aleks.com.	Suggestions for appropriate use of audiovisual, multimedia, and information technology resources in the classroom are also provided by ALEKS Certified Trainers. You can sign up for free training sessions or send questions by email to implementation@aleks.com.			

Instructional Planning and Support	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
10. Homework activities, if included, that extend and reinforce classroom instruction and provide additional practice of mathematical content, practices, and applications that have been taught.	ALEKS allows educators to create individualized worksheets based on topics they select. These worksheets can be customized to contain any combination of review and ready-to-learn questions. ALEKS will algorithmically generate the actual problems, but educators can choose their own combination of review and ready to learn topics for each student.				
11. Strategies for informing parents or guardians about the mathematics program and suggestions for how they can help support student progress and achievement.	ALEKS Reporting ensures that the parents and families of students are all kept up-to-date on important information regarding the child's current status and progress in the class. By logging into their child's Student Module, parents can view comprehensive and easy-to-interpret online reports. ALEKS is online and can be accessed 24/7 from virtually any Web-based computer, so parents always have access to knowledge of where their child				

Instructional Planning and Support	Publisher Citations		Criterion Met?		CRE/IMR Comments, Citations, and Questions
	Primary	Supporting	Y	N	
	is at in terms of mastering specific math concepts and the state or Common Core standards. parents can also be given an Individual Education Plan (IEP), which teachers are able to quickly access and print through the Instructor Module. This report is always available for immediate use and provides real-time data to monitor each student's progress through the course material. This easy access to detailed knowledge of the student facilitates increased and clearer communication among administration, teachers, parents, and students.				

Category 6: Teacher Support

Instructional materials should be designed to help teachers provide mathematics instruction that ensures opportunities for all students to learn the essential skills and knowledge specified for in the *Common Core State Standards for Mathematics with California Additions*. Instructional materials in mathematics must have strengths in these areas to be considered suitable for adoption:

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	Primary	Supporting	Y	N	
1. Clear, grade-appropriate explanations of mathematics concepts that teachers can easily adapt for instruction of all students, including English learners, advanced learners, students below grade level in mathematical skills, and students with disabilities.	See Content List in ALEKS Teacher Account. See the Standards Report in the Teacher Account for a list of all standards covered by a course and the corresponding topics; teachers may also view sample problems and explanations for each corresponding topic.	See Content Review Account.			
2. Strategies to identify, address, and correct common student errors and misconceptions.	See Student Account. Immediate feedback and explanations are provided by ALEKS to address and correct common errors and misconceptions.				
3. Suggestions for accelerating or decelerating the rate at which new material is introduced to students.	Progression in ALEKS is based on mastery rather than seat-time; students advance to the next topic based on whether they have truly learned a concept, not because they have fulfilled a certain time requirement for a course. Thus, students with below grade-level skills who need more time to learn				

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	concepts can take the necessary extra time to thoroughly understand and truly master a topic, instead of struggling to learn at the same rates as their peers and falling further behind. At the same time, advanced students who would be otherwise working below their achievement level may learn as many topics as they want at their own pace, rather than at the rate of a fixed curriculum. They may also move onto the next course with an active subscription.				
4. Different kinds of lessons and multiple ways in which to explain concepts, offering teachers choice and flexibility.	ALEKS may offer alternative explanations for some topics. Otherwise, not available.				
5. Materials designed to help teachers identify the reason(s) that students may find a particular type of problem(s) more challenging than another (e.g., identify skills not mastered) and point to specific remedies.	The ALEKS Pie Chart Report in the Instructor Model informs teachers about the exact topics each student has mastered, not mastered, and is ready to learn. In this report, teachers may also view the topics the student has attempted, allowing teachers to pinpoint the exact areas students may need extra assistance with.				
6. Learning objectives that are explicitly and clearly associated	See ALEKS Student Account. The ALEKS Pie lays out the learning				

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	Primary	Supporting	Y	N	
with instruction and assessment.	objectives, and it is also the navigation tool for instruction. Assessment is based on a student's recently learned topics, and before an assessment, a student can use the review feature to refresh his memory on recent learning.				
7. A teacher's edition that contains full, adult-level explanations and examples of the more advanced mathematics concepts in the lessons so that teachers can improve their own knowledge of the subject, as necessary.	Teachers using ALEKS with students receive their own complimentary Student Accounts that can be used for online, continuous mathematics learning as a component of their professional development. ALEKS can be used to assist teachers in adding higher level courses to their teaching portfolios.				
8. Explanations of the instructional approaches of the programs and identification of the research-based strategies.	Please visit http://www.aleks.com/about_aleks/research_behind for more information on the research behind ALEKS.				
9. Explanations of the mathematically appropriate use of manipulatives or other visual and concrete representations.	Not applicable				