

Grade 6

Roadmap for Success

Key standards and skills in
Math, Science, English & Spanish



Math 6

For additional practice opportunities, check out Khan Academy's
[Get Ready for 7th grade Math challenges](#)

6th Grade Math

All student materials can be found at www.khanacademy.org Linked Tests used to check understanding and suggest online practice.

Mathematical Strands	Performance Expectations	Mathematical Practices	Links to Resources
Ratios, Rates, & Percentages	<ul style="list-style-type: none"> • <u>Reason</u> about multiplication and division to <u>solve</u> ratio and rate problems about quantities. • Use multiplication and division to <u>solve</u> problems, and <u>connect</u> ratios and fractions. • <u>Solve</u> a wide variety of problems involving ratios and rates. 	<ul style="list-style-type: none"> • Making sense and persevere in solving problems. • Reasoning abstractly and quantitatively. • Modeling with mathematics. • Attending to precision. 	Ratios, rates, & percentages test CCSS.MATH.CONTENT.6.RP.A.3
Arithmetic Operations	<ul style="list-style-type: none"> • <u>Model</u> the meaning of fractions, the meanings of multiplication and division, and the relationship between multiplication and division to understand and <u>explain</u> why the procedures for dividing fractions make sense. • Use operations to <u>solve</u> fraction and decimal problems <u>precisely</u>. 		Arithmetic operations test CCSS.MATH.CONTENT.6.NS.A.1 CCSS.MATH.CONTENT.6.NS.B.3
Negative Numbers	<ul style="list-style-type: none"> • <u>Order</u> rational numbers including negative rational numbers. • <u>Reason</u> about the order and absolute value of rational numbers and about the location of points in all four quadrants of the coordinate plane. 		Negative numbers test CCSS.MATH.CONTENT.6.NS.C.5 CCSS.MATH.CONTENT.6.NS.C.7 CCSS.MATH.CONTENT.6.NS.C.8
Variables and Expressions	<ul style="list-style-type: none"> • <u>Write</u> expressions and equations that correspond to given situations, <u>evaluate</u> expressions, and use expressions to <u>solve</u> problems. • <u>Model</u> expressions and equations reasoning that the solutions of an equation are the values of the variables that make the equation true. • Use properties of operations and the idea of maintaining the equality of both sides of an equation to <u>solve</u> simple one-step equations. 		Variables and expressions test CCSS.MATH.CONTENT.6.EE.A.1 CCSS.MATH.CONTENT.6.EE.A.2

6th Grade Earth Science

6th Grade Earth Science

All student materials can be found at www.fossweb.com (Username or email: asfearthscience; Password: scienceiscool)

Power Standards	Performance Expectations	Science & Engineering Practices	Links to Resources
<p><u>Investigate, Model, & Describe</u> Space Systems in Relation to the Earth</p>	<ul style="list-style-type: none"> ● <u>Analyze</u> and <u>interpret</u> data to determine scale properties of objects in the Solar System ● <u>Develop</u> and <u>use a model</u> of the Earth-Sun-moon system to <u>describe</u> the cyclic pattern of lunar phases, eclipses of the sun and moon, and seasons 	<ul style="list-style-type: none"> ● Developing Models 	<ul style="list-style-type: none"> ● FOSS Planetary Science Resources
<p><u>Explain and Model</u> Weather Systems and Climate Factors</p>	<ul style="list-style-type: none"> ● <u>Develop a model</u> to <u>describe</u> the cycling of water through Earth's systems driven by energy from the sun and the force of gravity ● <u>Collect data to prove evidence</u> for how the motions and complex interactions of air masses results in changes in weather conditions ● <u>Develop and use a model</u> to <u>describe</u> how unequal heating and rotation of the Earth causes patterns of atmospheric and oceanic circulation that determine regional climates 	<ul style="list-style-type: none"> ● Planning and Carrying Out Investigations ● Analyzing and Interpreting Data ● Constructing Explanations 	<ul style="list-style-type: none"> ● FOSS Weather and Water Resources <ul style="list-style-type: none"> ○ Student Reader
<p><u>Analyze Data to Explain</u> Earth Forces and Geologic Time</p>	<ul style="list-style-type: none"> ● <u>Construct an explanation</u> based on evidence for how geoscience processes have changed Earth's surface at varying time, rock strata, and spatial scales over Earth's 4.6 billion-year-old-history ● <u>Analyze and interpret data</u> on the distribution of fossils and rocks and continental shapes to <u>provide evidence</u> of the past plate motions ● <u>Develop a model to describe</u> the cycling of Earth's materials and the flow of energy that flow of energy that drives this process 	<ul style="list-style-type: none"> ● Obtaining, Evaluating, and Communicating Information 	<ul style="list-style-type: none"> ● FOSS Earth History Resources <ul style="list-style-type: none"> ○ Student Reader

English 6

To view the Summer Assignment for English 6, go to
<https://www.asf.edu.mx/learning/middle-school/summer>

6th Grade English

Power Standards	Performance Expectations	Links to Resources
Cite textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.	Close reading: Students will be able to read and annotate a text carefully, looking for main ideas, supporting details as well as making inferences.	Common Lit Ereadingworksheets
By the end of the year, read and comprehend literature, including stories, dramas, and poems, in the grades 6-8 text complexity band proficiently, with scaffolding as needed at the high end of the range.	Independent reading: Students will be able to read a wide variety of fiction and non-fiction texts at or above grade level.	Summer book list
Write arguments to support claims with clear reasons and relevant evidence.	CEA Paragraph: Students will be able to write a well-structured CEA paragraph with claim, evidence and analysis.	No Red Ink Learn Your Smart
Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.	Spelling: Students will be able to spell commonly confused words (such as their, there and they're). Punctuation: Students will be able to use periods to end sentences.	No Red Ink

Spanish 6

To view the Summer Assignment for Spanish 6, go to
<https://www.asf.edu.mx/learning/middle-school/summer>

6th Grade Spanish

Estándar	Objetivos	Recursos
<p>Demuestran dominio de las normas y convenciones de la gramática y del uso del español al escribirlo o hablarlo.</p>	<p>Aplicar los signos de puntuación (coma, punto y aparte, punto y seguido, punto final, signos de interrogación, exclamación, guion y puntos suspensivos) correctamente en una variedad de textos.</p> <p>Utilizar de manera correcta los diferentes tipos de acentos (ortográfico, diacrítico y prosódico) en diferentes contextos.</p> <p>Aplicar la letra mayúscula en sustantivos propios, al inicio de un párrafo y después de un punto y seguido, para escribir correctamente.</p>	<p>Ejercicios en línea.</p> <p>http://reglasdeortografia.com/signosindice.html</p> <p>Libro de ortografía <i>Punto y Aparte 6o</i> de Celia María Deolarte Alcázar</p> <p>Ejercicios de acentuación https://aprenderespanol.org/gramatica/acentuacion-silabas.html</p> <p>Ejercicios de mayúscula.</p> <p>http://roble.pntic.mec.es/~msanto1/ortografia/mayuejer.htm</p>

6th Grade Spanish

Estándar	Objetivos	Recursos
Escriben narraciones para relatar experiencias o acontecimientos reales o imaginarios, utilizando una técnica eficaz, detalles descriptivos relevantes y secuencias de acontecimientos bien estructurados.	Producir diferentes tipos de textos breves (noticia, biografía, autobiografía y cuento) siguiendo la estructura correspondiente a cada uno.	Biografía y autobiografía https://es.slideshare.net/lvnGarca26/biografia-y-autobiografia-62519003#:~:text=La%20biograf%C3%ADa%20y%20la%20autobiograf%C3%ADa.Incluyen%20soportes%20gr%C3%A1ficos%20como%20fotos.
Comparan y contrastan textos de diferentes formas o géneros (por ejemplo: cuentos y poemas, novelas históricas y cuentos de fantasía) en cuanto a la manera en que estos abordan temas y asuntos similares.	Leer una variedad de textos para reforzar su comprensión lectora, acrecentar su vocabulario y mejorar su redacción.	El cristal con que se mira Alicia Molina Fondo de Cultura Económica Un viejo gato gris mirando por la ventana Toño Malpica Fondo de Cultura Económica No comas renacuajos Francisco Montañez Ibañez Castillo