

Course Overview	Amplify Science for second grade is an interactive program that helps students learn science by doing, reading, and discussing like real scientists and engineers. Throughout the year, students explore how living things depend on each other, test and improve their own designs through fair investigations, and study how changes happen on Earth. They take on roles like plant scientists, engineers, and geologists to solve problems and make sense of what they observe. This course matters because it builds curiosity, critical thinking, and the skills students need to understand and explain the world around them.
Course Standards	<u>Second Grade Science TEKS</u> (Texas Essential Knowledge and Skills)
Instructional Materials	Amplify Science

Scope & Sequence

Units & Instructional Days	Assessments & Scanning Deadlines	Standards
Unit 0: Welcome to Wonder 5 days	N/A	2.1.C, 2.1.D, 2.1.E, 2.1.F, 2.3.B, 2.3.C, 2.4.A, 2.4.B
Unit 1: Plant and Animal Relationships 44 days	TX_SCI_2ndScience_F26_UE1 Scanning Deadline: November 6, 2026	2.9.A, 2.10.B, 2.12.A, 2.12.B, 2.12.C, 2.13.A, 2.13.B, 2.13.C, 2.13.D 2.1.A, 2.1.B, 2.1.C, 2.1.D, 2.1.E, 2.1.F, 2.1.G, 2.2.B, 2.2.C, 2.3.A, 2.3.B, 2.3.C, 2.4.A, 2.4.B, 2.5.A, 2.5.B, 2.5.C, 2.5.D, 2.5.F, 2.5.G
Unit 2: Properties of Materials 44 days	TX_SCI_2ndScience_S27_UE2 Scanning Deadline: February 4, 2027	2.6.A, 2.6.B, 2.6.C, 2.8.B, 2.11.A, 2.11.B 2.1.A, 2.1.B, 2.1.C, 2.1.D, 2.1.E, 2.1.F, 2.1.G, 2.2.A, 2.2.B, 2.2.C, 2.2.D, 2.3.A, 2.3.B, 2.3.C, 2.4.A, 2.4.B, 2.5.A, 2.5.B, 2.5.C, 2.5.E, 2.5.F, 2.5.G
Unit 3: Changing Landforms 44 days	TX_SCI_2ndScience_S27_UE3 Scanning Deadline: April 20, 2027	2.7.A, 2.9.B, 2.10.A, 2.10.B, 2.10.C 2.1.A, 2.1.B, 2.1.C, 2.1.D, 2.1.E, 2.1.F, 2.1.G, 2.2.A, 2.2.B, 2.2.C, 2.2.D, 2.3.A, 2.3.B, 2.3.C, 2.4.A, 2.4.B, 2.5.A, 2.5.B, 2.5.C, 2.5.G
Unit 4: Natural Phenomena 10 days	N/A	2.7.A, 2.7.B, 2.8.A, 2.8.B, 2.8.C, 2.12.B 2.1.A, 2.1.B, 2.1.C, 2.1.D, 2.1.E, 2.1.F, 2.1.G, 2.2.B, 2.2.C, 2.2.D, 2.3.A, 2.3.B, 2.3.C, 2.4.A, 2.4.B, 2.5.A, 2.5.B, 2.5.C, 2.5.D, 2.5.E, 2.5.F, 2.5.G
Final Exam: Month TBD		
	TX_SCI_2ndScience_S27_FE Scanning Deadline: TBD	2.6.A, 2.6.B, 2.6.C, 2.7.A, 2.7.B, 2.8.A, 2.8.B, 2.8.C, 2.9.A, 2.9.B, 2.10.A, 2.10.B, 2.10.C, 2.11.A, 2.11.B, 2.12.A, 2.12.B, 2.12.C, 2.13.A, 2.13.B, 2.13.C, 2.13.D 2.1.A, 2.1.B, 2.1.C, 2.1.D, 2.1.E, 2.1.F, 2.1.G, 2.2.A, 2.2.B, 2.2.C, 2.2.D, 2.3.A, 2.3.B, 2.3.C, 2.4.A, 2.4.B, 2.5.A, 2.5.B, 2.5.C, 2.5.D, 2.5.E, 2.5.F, 2.5.G

Primary Texts

Unit 0 Primary Texts

What is Science?, Rebecca Dotlich
Ada Twist, Scientist, Andrea Beaty

Unit 1 Primary Texts

Habitat Scientist, John Erickson
Handbook of Habitats, Rochelle Urban
Investigating Seeds, Rochelle Urban and Ashley Chase
My Nature Notebook, Kevin Beals
A Plant is a System, Rochelle Urban
What Does a Scientist Look Like?, Lizzy Vlasses and Ashley Chase

Unit 2 Primary Texts

Can You Change It Back?, Phaela Peck
Handbook of Interesting Ingredients, Jacqueline Barber
Ideas and Inventors, Sophia Lambertsen and Ashley Chase
Jelly Bean Engineer, Gina Cervetti
Jess Make Hair Gel, Jacqueline Barber
What If Rain Boots Were Made of Paper?, Kevin Beals and P. David Pearson

Unit 3 Primary Texts

Gary's Sand Journal, Kate Donaldson-Fletcher
Handbook of Land and Water, Gary Griggs, Catherine Halversen and Craig Strang
Landform Postcards, Chlöe Delafield
Making Models of Streams, Josey Baker
What's Stronger? How Water Causes Erosion, Lincoln Bergman and Jacqueline Barber

Unit 4 Primary Texts

N/A

TEKS Alignment

Instruction in this course is aligned to the Texas Essential Knowledge and Skills (TEKS) as adopted by the State Board of Education and implemented in accordance with Texas Education Code Chapter 28.

Instructional Materials

Primary Texts (if applicable)

Supplemental instructional materials may be used to support instruction. Supplemental materials do not replace board-approved core instructional materials.

Additional information regarding instructional programs, assessments, and parent access to instructional materials is available on the district website.

Instructional Expectations

Instruction is delivered using board-approved instructional materials and aligned to the scope and sequence outlined above. Teachers are expected to ensure all required standards are taught within the course timeframe.

Assessment Overview

Student learning is monitored through formative and summative assessments aligned to course standards. Assessment results are used to inform instruction and student supports. Students participate in required state assessments when applicable.