



**Bluebonnet
Learning™**

Secondary Mathematics

EDITION 1

Algebra II

Standards Overview

Acknowledgment

Thank you to all the Texas educators and stakeholders who supported the review process and provided feedback. These materials are the result of the work of numerous individuals, and we are deeply grateful for their contributions.

Notice

These learning resources have been built for Texas students, aligned to the Texas Essential Knowledge and Skills, and are made available pursuant to Chapter 31, Subchapter B-1 of the Texas Education Code.

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ALGEBRA II STANDARDS OVERVIEW

TEKS covered at the lesson level are shown in **course color**. Additional TEKS covered in Skills Practice are shown in black.

| | | Attributes of Functions and their Inverses | Systems of Equations and Inequalities | Quadratic and Square Root Functions, Equations, and Inequalities | Exponential and Logarithmic Functions and Equations |
|---|---|--|---|--|---|
| MODULE 1: Extending Linear Relationships | TOPIC 1: Absolute Value Equations and Inequalities | 2A.2A | (P)2A.3B (P)2A.3E (P)2A.3F | | |
| | TOPIC 2: Application of Linear Relationships | 2A.2B (E)2A.2C 2A.2C | 2A.3A (E)2A.3A 2A.3B (P)2A.3B 2A.3E (E)2A.3B 2A.3F (E)2A.3F 2A.3G | (P)2A.4B | |
| MODULE 2: Exploring Quadratic Functions | TOPIC 1: Quadratic Functions and Equations | | 2A.3A 2A.3B | 2A.4A (E)2A.4A 2A.4B (E)2A.4B 2A.4D (E)2A.4D 2A.4F (P)2A.4D (E)2A.4F (E)2A.4H | |
| | TOPIC 2: Applications of Quadratics | (E)2A.2A | 2A.3A (E)2A.3C 2A.3C 2A.3D | 2A.4B (E)2A.4B 2A.4E 2A.4F 2A.4H (E)2A.4H | |

(P) = Prerequisite for TEKS (E) = Extension of TEKS

ALGEBRA II STANDARDS OVERVIEW

| | | Cubic, Cube Root, Absolute Value and Rational Functions, Equations, and Inequalities | Number and Algebraic Methods | Data |
|---|---|--|------------------------------|---|
| MODULE 1: Extending Linear Relationships | TOPIC 1: Absolute Value Equations and Inequalities | 2A.6C (E)2A.6C 2A.6D (E)2A.6F 2A.6E 2A.6F | 2A.7I (P)2A.7E | |
| | TOPIC 2: Application of Linear Relationships | 2A.6C 2A.6D 2A.6E 2A.6F | (P)2A.7E (E)2A.3F | |
| MODULE 2: Exploring Quadratic Functions | TOPIC 1: Quadratic Functions and Equations | 2A.6C 2A.6D 2A.6E | 2A.7A 2A.7B | |
| | TOPIC 2: Applications of Quadratics | | 2A.7B | 2A.8A (E)2A.8A 2A.8B (E)2A.8B 2A.8C |

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ALGEBRA II STANDARDS OVERVIEW

| | | Attributes of Functions and their Inverses | Systems of Equations and Inequalities | Quadratic and Square Root Functions, Equations, and Inequalities | Exponential and Logarithmic Functions and Equations |
|--|---|--|---------------------------------------|--|---|
| MODULE 3: Analyzing Structure | TOPIC 1: Composing and Decomposing Functions | 2A.2A (E)2A.2A | 2A.3A 2A.3C 2A.3D | 2A.4F 2A.4A 2A.4B (E)2A.4F | |
| | TOPIC 2: Attributes of Cubic Functions | 2A.2A (E)2A.2A | | 2A.4F | |
| | TOPIC 3: Relating Factors and Zeros | 2A.2A (E)2A.2A (P)2A.2A | 2A.3B 2A.3E | 2A.4F 2A.4B | |
| MODULE 4: Extending Beyond Polynomials | TOPIC 1: Rational Functions | 2A.2A (E)2A.2A (P)2A.2A 2A.2B | | | |
| | TOPIC 2: Radical Functions | 2A.2A (E)2A.2A 2A.2B (E)2A.2B 2A.2C (E)2A.2C 2A.2D (P)2A.2C (E)2A.2D | | 2A.4C 2A.4B 2A.4F | |
| | TOPIC 3: Radical Equations | 2A.2C 2A.2D | | 2A.4E 2A.4D 2A.4F (E)2A.4E 2A.4G (E)2A.4F | |
| MODULE 5: Exploring Exponentials and Logarithmics | TOPIC 1: Exponential and Logarithmic Functions | 2A.2A 2A.2D 2A.2B 2A.2C | | 2A.4C 2A.4E 2A.4F | 2A.5A 2.5B 2A.5B (E)2A.5B 2A.5C (E)2A.5C 2A.5D |
| | TOPIC 2: Exponential and Logarithmic Equations | 2A.2A 2A.2B | | 2A.4A | 2A.5B 2A.5A 2A.5C (E)2A.5C 2A.5D (E)2A.5D 2A.5E (E)2A.5E |

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ALGEBRA II STANDARDS OVERVIEW

| | | Cubic, Cube Root, Absolute Value and Rational Functions, Equations, and Inequalities | Number and Algebraic Methods | Data |
|--|---|--|--|---|
| MODULE 3: Analyzing Structure | TOPIC 1: Composing and Decomposing Functions | | 2A.7B 2A.7A 2A.7I (P)2A.7B (P)2A.7D (E) 2A.7D (P)2A.7E (E)2A.7I | 2A.8A |
| | TOPIC 2: Attributes of Cubic Functions | 2A.6A | 2A.7I 2A.7A | |
| | TOPIC 3: Relating Factors and Zeros | | 2A.7B (E)2A.7B 2A.7C (E)2A.7C 2A.7D (P)2A.7D 2A.7E (E)2A.7D (P)2A.7E (E)2A.7E | |
| MODULE 4: Extending Beyond Polynomials | TOPIC 1: Rational Functions | 2A.6G 2A.6E 2A.6H (E)2A.6H 2A.6I (E)2A.6I 2A.6J (E)2A.6K 2A.6K 2A.6L | 2A.7E 2A.7A 2A.7F (E)2A.7F 2A.7I (E)2A.7I | |
| | TOPIC 2: Radical Functions | 2A.6A 2A.6H 2A.6I 2A.6G 2A.6K | 2A.7I 2A.7B (E)2A.7B 2A.7C 2A.7D (E)2A.7I | (E)2A.8C |
| | TOPIC 3: Radical Equations | 2A.6B 2A.6A 2A.6H 2A.6I | 2A.7G 2A.7F 2A.7H (E)2A.6G 2A.7I | |
| MODULE 5: Exploring Exponentials and Logarithmics | TOPIC 1: Exponential and Logarithmic Functions | 2A.6A 2A.6B 2A.6I 2A.6L | 2A.7I 2A.7G (E)2A.7I | 2A.8A (E)2A.8A 2A.8B 2A.8C |
| | TOPIC 2: Exponential and Logarithmic Equations | 2A.6I | 2A.7I 2A.7H | 2A.8A (E)2A.8A 2A.8B (E)2A.8B 2A.8C |

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