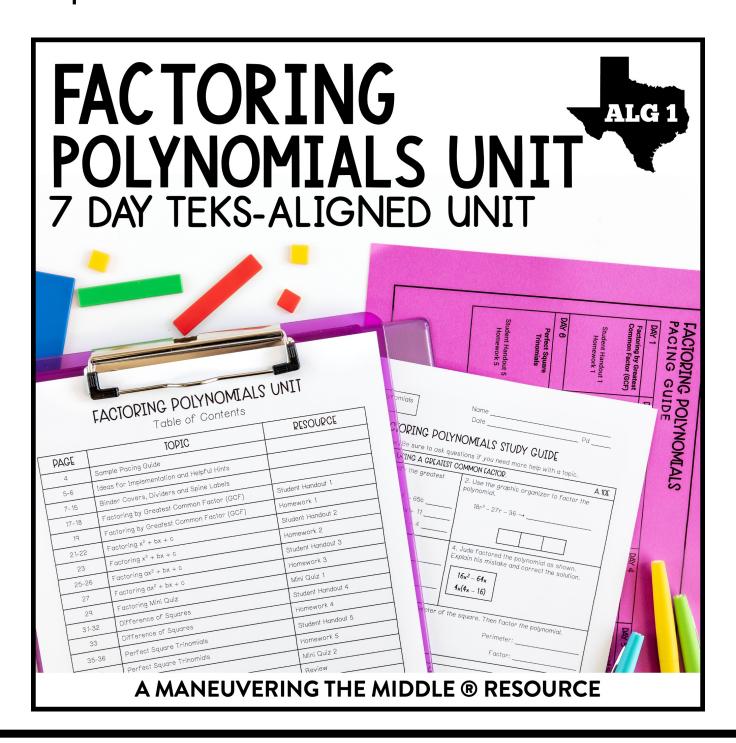
learning focus:

- factor trinomials by using a gcf
- $\sqrt{\text{factor trinomials in the form } x^2 + \text{bx} + \text{c}}$ and $ax^2 + \text{bx} + \text{c}$
- factor difference of two squares and perfect square trinomials





a 7 day TEKS-aligned unit TEKS: A.10B, A.10D, A.10E, A.10F

ready-to-go, scaffolded student materials

FACTORING POLYNOMIALS UNIT

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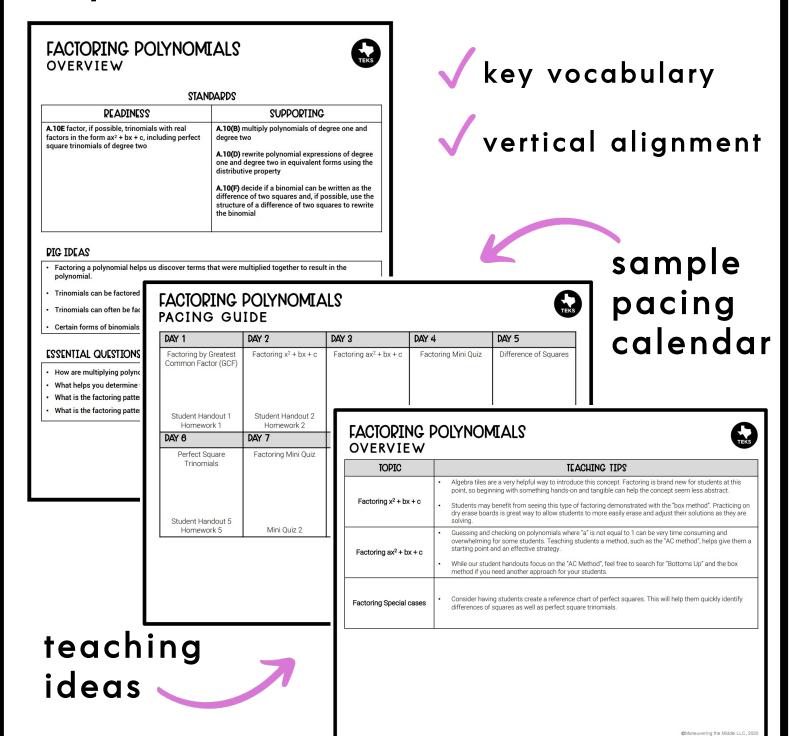
student friendly + real-world application

The characteristics of a polynomial can	Name	concepts concepts
one. Use the checklist to help you facto		20
1. Is there a GCF that can be factore		
2. Is the polynomial of the form $x^2 + t^2$ 3. Is the polynomial of the form $ax^2 + t^2$	3. 6x ² - 11x + 3 4.	
Next, complete step 1 and 2 of the check $\label{eq:complete} To factor a polynomial of the form $ax^2 + $"AC" method)$ to help. Follow the steps in$	t l	
b. 3x ² + 8x + 5		Unit: Factoring Polynomials Homework 3 DatePd
3x ² + 5	6. Is it possible to have a polynomial your answer with an example. If no,	or
		Factor each of the polynomials in 1-6 and use the answer bank to check your work. Not all choices will be used.
Follow the steps above to factor each tri 1. $4x^2 + 12x + 5$ ✓ CHECK	Determine his mistake drid correctly	multiple $(x, y) = (4x + 3) + (3x + 1) + (4x - 3) + (-1) + (2x + 2) + (7x + 2)$
	q. Paulo has a vintage record player The volume of the player is 10x² – 65 possible dimensions for the length, w (Hint: V = lwh)	$5x - 4 \cdot 6x^2 - 55x + 9$ $5 \cdot 4x^2 - x - 3$ $6 \cdot 21x^2 + x - 2$
	Summarize today's lesson:	Use your knowledge of factoring to answer questions 7 and 8. 7. Fernando and Risa are factoring 5x²-x - 6. They each made a chart below and selected a pair of integers. Which student is correct? Explain your reasoning.
ror anal	ysis	FERNANDO RISA FACTORS SUM 1 - 6 - 5



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streamline your planning process with unit overviews

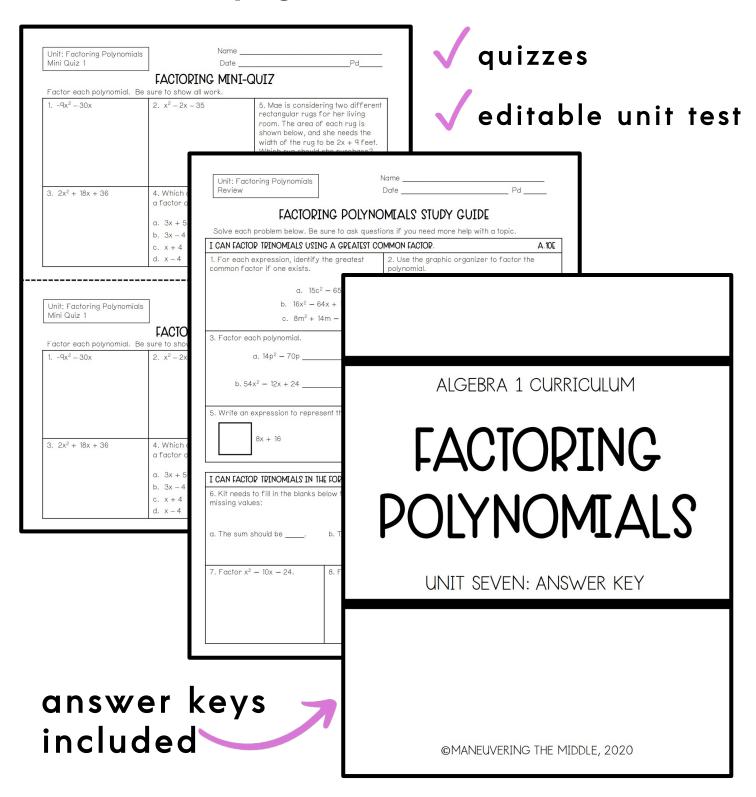


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unit study guide + assessments



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