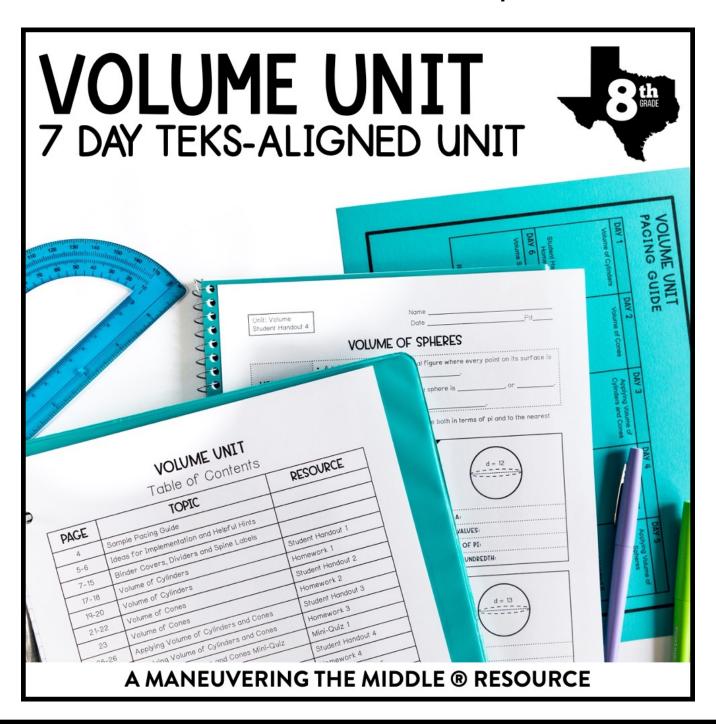
learning focus:

- use formulas to find the volume of cylinders, cones, and spheres
- describe the formula for a cylinder in terms of its base area and height
- use formulas for volume to solve mathematical and real-world problems





a 7 day TEKS-aligned unit

TEKS: 8.6A, 8.7A

ready-to-go, scaffolded student materials

VOLUME UNIT

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a 7 day TEKS-aligned unit

TEKS: 8.6A, 8.7A

student friendly + real-world application

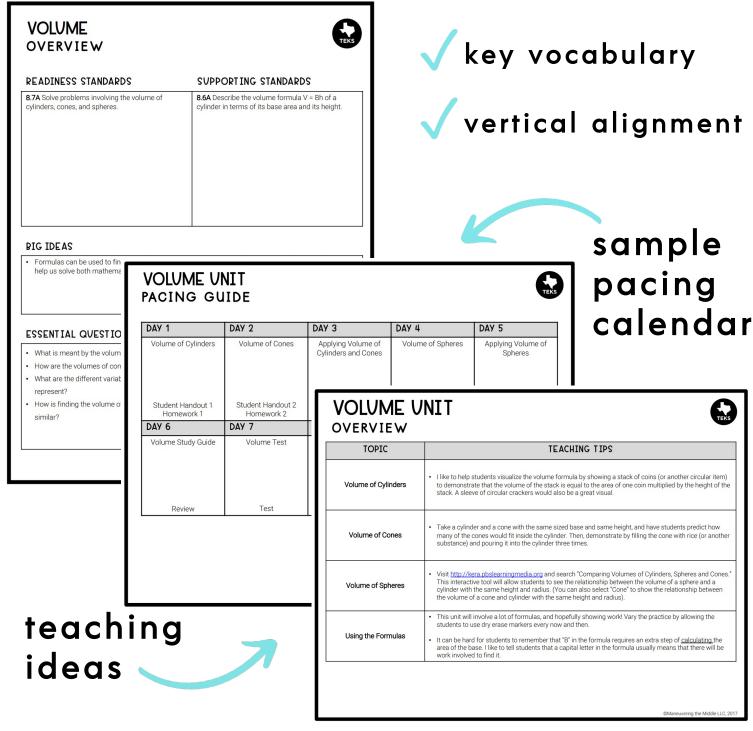
Unit: Volume Student Handout 4	Pd	graphic organizers			
VOLUME OF the same distance	ree-dimensional figure where every point on its subset from its				
SPHERES • The formula for • Half of a sphere Use the formula above to find the volunt hundredth.		es to help you answer each quest	ers built a snowman in wman's head was in vith a diameter of 16		
FORMULA:		Unit: Volume Homework 4	Name Date	Pd	
PLUG IN VALUES: IN TERMS OF PI:	7. A sphere has a volume of 288π in ³ . radius of the sphere.		VOLUME OF SPHERES		
NEAREST HUNDREDTH:	_	In 1-4, draw a line connection to the nearest tenth. Not all	ng each sphere to its volume in terms choices will be used.	of π , then to the volume rounded	
3	1	SPHERE 1.	VOLUME (IN TERMS OF PI)	VOLUME (NEAREST TENTH)	
FORMULA: PLUG IN VALUES:		2.	457.3π units ³ 121.5π units ³ 21.3π units ³	3,053.6 units ³ 67 units ³ 33.5 units ³	
IN TERMS OF PI: NEAREST HUNDREDTH:	10. A sphere, cylinder, and cone all hav	3. d = 14	10. $\overline{6}\pi$ units 3	381.7 units ³	
	equal to the diameter of the sphere. La a. The area of the cylinder's b. I can find the volume of th c. The volume of the sphere in	4. r = q	972π units³ 3,201.3π units³	10,052.2 units ³ 1,436.8 units ³	
	Summarize today's lesson:	5. Find the volume of a hen radius of 8 centimeters to t	he nearest tenth. is filled 85% fu	I all has a diameter of 5 inches. It ill with blue water. How much ied by the water? Round to the	
teractive ractice			7. A sphere has a volume of 36π in ³ . Find the radius of the sphere. Use 3.14 for pi. 8. A sphere has a volume of 2,304π mit the diameter of the sphere.		



a 7 day TEKS-aligned unit

TEKS: 8.6A, 8.7A

streamline your planning process with unit overviews



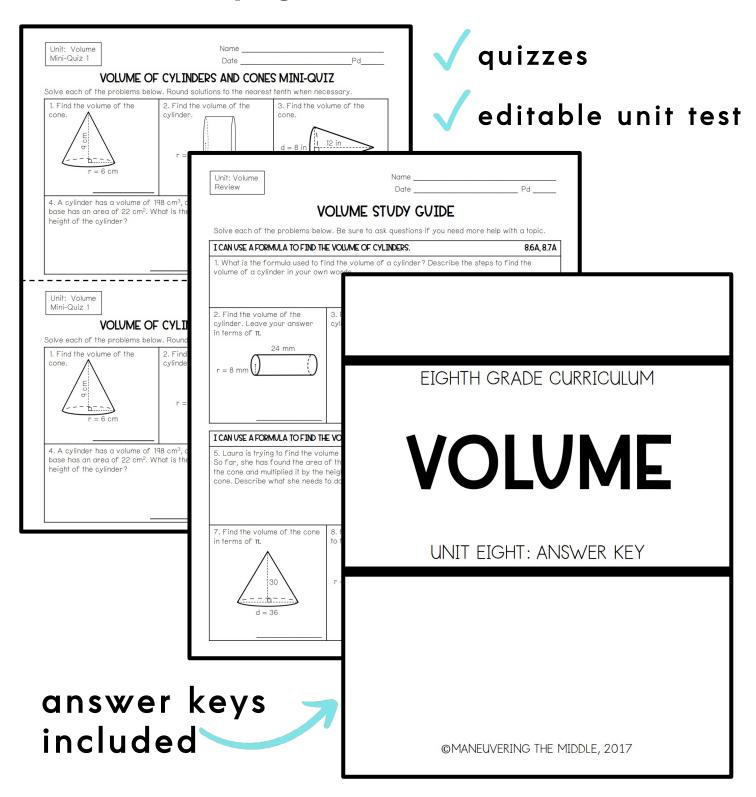
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TEKS: 8.6A, 8.7A

unit study guide + assessments



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