

## WE BUILT THIS CITY, MASTERING VOLUME JENNIFER MCINTOSH, CLARK CREEK ELEMENTARY

**GRADE LEVEL AND CONTENT:** 5<sup>th</sup> Grade Math and Science

### OVERVIEW

During this two week hands-on unit, students master volume computation and science skills by building model cities. Students first construct 3D cubes and rectangular prisms to deepen their understanding of area within the context of volume. Then, students work cooperatively in teams to build a city and find both the volume and additive volume of their structures. Additionally, students create circuits to use as lights for their buildings to learn elements of circuits, insulators, and conductors.

### STANDARDS ADDRESSED

**Math:** M.5.MD.3; M.5.MD.4; M.5.MD.5

**Science:** S.5.CS.1; S.5.CS.3; S.5.P.3

### AVAILABLE MATERIALS

- Video of Unit
- Daily Lesson Plans
- “What’s the Difference?” Activity Sheet
- “What’s It Take to Fill Me Up?” Activity Sheet
- Volume Assessment Activity Sheet



#### ABOUT THE TEACHER

*Jennifer McIntosh is currently a 5<sup>th</sup> grade teacher at Clark Creek Elementary in Acworth, GA. Ms. McIntosh holds a Bachelor of Science in Middle Grades Education from Kennesaw State University and a Master of Education in Educational Leadership from University of Georgia. Additionally, she has an Education Specialist degree in Curriculum and Instruction from Piedmont College. Her best piece of teaching advice is to build meaningful relationships with your students; once they realize you believe in them, they will rise to meet your high expectations.*