## Grade 8 Standards Parent Resource

## Unit \#7: Transformations and Geometric Measurement

Unit 7 includes 3 topics of study, listed below. This resource is for Topic 3.
Topic \# 1
Topic \# 2
Congruence Through Rigid
Transformations

Similarity Through Non-Rigid
Transformations

Topic \# 3
Volumes of Cones, Cylinders, and Spheres

| Topic | Learning Goals by Common Core State Standard <br> Students will be able to... |
| :---: | :---: |
|  | - Know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems. <br> Instructional videos in the hyperlinks above are meant to support C2.0 content, but may use vocabulary or strategies not emphasized by MCPS. |

The Common Core State Standards require a balance of three fundamental components that result in rigorous mathematics acquisition: deep conceptual understanding, procedural skill, and mathematical applications and modeling.



