



**Geology at Work
Virtual Education Program**

Grade Levels	North Carolina Essential Standards
K, 1, 2, 3, 4, 5, 6 +	<p>Grade K - K.P.2 (K.P.2.1; K.P.2.2)</p> <p>Grade 1 - 1.E.2 (1.E.2.1)</p> <p>Grade 4 - 4.P.2 (4.P.2.1; 4.P.2.3), 4.E.2 (4.E.2.3)</p> <p>Grade 6 - 6.E.2 (6.E.2.1; 6.E.2.3; 6.E.2.4)</p>
<p>Experience <i>Geology at Work</i> at Vulcan Materials Company’s active quarry in Winston-Salem! Join a Kaleideum Educator via ZOOM for a Virtual Field Trip experience that shows students the inner workings of a quarry and how aggregate mining provides the building blocks of cities, homes, hospitals, roads, and more. Grade-level programs are differentiated to align with NC Essential Standards. <i>This program is fully sponsored by Vulcan Materials Company.</i></p>	
<p>Grade-Level Program Descriptions</p>	
<p>Kindergarten: Students compare observable physical properties of igneous, metamorphic, and sedimentary rocks (K.P.2.1) and explore the different properties of mined materials that determine how they are used in our community (K.P.2.2).</p>	
<p>1st Grade: Students investigate properties of earth materials humans and animals use to solve problems and learn how a working quarry plays an integral role in providing the building blocks for human communities and many products we use daily (1.E.2.1)</p>	
<p>4th Grade: Students compare and contrast changes in the earth’s surface due to natural and human processes and explore mining and reclamation in the life of a quarry (4.P.2.3; 4.E.2.3). Students learn about unique and useful properties of various mined materials which lend to specific purposes and products used in everyday life and in the building blocks of our homes and communities (4.P.2.1).</p>	
<p>6th Grade: Students compare & contrast processes and products of natural and human destructive forces that create changes in the lithosphere over time (6.E.2.1; 6.E.2.3). Students learn how Vulcan Materials Company practices healthy stewardship of the lithosphere in each step of the mining process from determining a quarry site through the reclamation process (6.E.2.4).</p>	