

## Fifth Grade Parent Rubric

### Quarters 1 - 4 Science

<b>Earth Science</b>	<b>3 Meets Standards</b>
<b>Identify surface features caused by constructive /destructive processes</b>	The student consistently can identify surface features caused by constructive/destructive processes (deposition, earthquakes, volcanoes, faults, erosion, weathering, impact of organisms).
<b>Relate the role of technology and human intervention in the control of constructive and destructive processes</b>	The student consistently can explain the use of technology to control constructive and destructive forces (changes in earth's surface features, human impact).
<b>Physical Science</b>	<b>3 Meets Standards</b>
<b>Verify that an object is the sum of its parts</b>	The student consistently demonstrates through manipulation and measurement that the mass of an object is equal to the mass of its parts even though the parts are too small to be seen without magnification.
<b>Investigates &amp; provides evidence of physical &amp; chemical changes</b>	The student consistently explains the difference between physical and chemical changes by separating mixtures, manipulating paper, recognizing the changes in states of water involve temperature change, and investigating chemical reactions.
<b>Investigates the nature of electricity &amp; magnetism &amp; explores their relationships</b>	The student consistently explains and explores the nature of electricity & magnetism and explores their relationships through investigations involving static electricity, insulators, conductors, equipment that uses circuits, and compares bar magnets to electromagnets.
<b>Life Science</b>	<b>3 Meets Standards</b>
<b>Demonstrate classification systems &amp; how they are used</b>	The student consistently classifies animals and plants into groups according to characteristics (invertebrates, vertebrates), subgroups of vertebrates and plant classification.
<b>Compare/contrast characteristics of learned behaviors &amp; discuss inherited traits &amp; the role played by genes</b>	The student consistently differentiates between learned behaviors and inherited traits, including the role genes play in transferring inherited traits.
<b>Identifies parts of cells &amp; explains their functions</b>	The student consistently uses magnifiers to observe cells and identifies functions and labels parts of animal & plant cells (membrane, wall, cytoplasm, nucleus, chloroplasts).
<b>Compare multi-cell &amp; single cell organisms</b>	The student consistently compares single- & multi-celled organisms.
<b>Recognizes the effects of microorganisms on larger organisms</b>	The student consistently identifies and explains beneficial and harmful microorganisms.