

STAAR Alternate 2 Spring 2022

Grade 5 Science Essence Statements

| STAAR Reporting Category 1 | STAAR Reporting Category 2 | STAAR Reporting Category 3 | STAAR Reporting Category 4 |
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| <p>Matter and Energy: The student will demonstrate an understanding of the properties of matter and energy and their interactions.</p> | <p>Force, Motion, and Energy: The student will demonstrate an understanding of force, motion, and energy and their relationships.</p> | <p>Earth and Space: The student will demonstrate an understanding of components, cycles, patterns, and natural events of Earth and space systems.</p> | <p>Organisms and Environments: The student will demonstrate an understanding of the structures and functions of living organisms and their interdependence on each other and on their environment.</p> |
| <p>Knowledge and Skills Statements</p> <p>(5.5) Matter and energy. The student knows that matter has measurable physical properties and those properties determine how matter is classified, changed, and used. (Readiness and Supporting Standard)</p> <p>(3.5) Matter and energy. The student knows that matter has measurable physical properties and those properties determine how matter is classified, changed, and used. (Supporting Standard)</p> <p>Essence Statement Identifies and classifies matter by its physical properties and determines how matter is changed.</p> | <p>Knowledge and Skills Statements</p> <p>(5.6) Force, motion, and energy. The student knows that energy occurs in many forms and can be observed in cycles, patterns, and systems. (Readiness and Supporting Standard)</p> <p>(3.6) Force, motion, and energy. The student knows that forces cause change and that energy exists in many forms. (Supporting Standard)</p> <p>Essence Statement Recognizes force, motion, and energy and their relationships.</p> | <p>Knowledge and Skills Statements</p> <p>(5.7) Earth and space. The student knows Earth’s surface is constantly changing and consists of useful resources. (Readiness Standard)</p> <p>(4.7) Earth and space. The students know that Earth consists of useful resources and its surface is constantly changing. (Supporting Standard)</p> <p>(3.7) Earth and space. The student knows that Earth consists of natural resources and its surface is constantly changing. (Supporting Standard)</p> <p>Essence Statement Knows that Earth’s surface is constantly changing and consists of useful resources.</p> <p>Knowledge and Skills Statements</p> <p>(5.8) Earth and space. The student knows that there are recognizable patterns in the natural world and among the Sun, Earth, and Moon system. (Readiness and Supporting Standard)</p> <p>(4.8) Earth and space. The student knows that there are recognizable patterns in the natural world and among the Sun, Earth, and Moon system. (Supporting Standard)</p> <p>(3.8) Earth and space. The student knows there are recognizable patterns in the natural world and among objects in the sky. (Supporting Standard)</p> <p>Essence Statement Recognizes patterns in the natural world and among the Sun, Earth, and Moon system.</p> | <p>Knowledge and Skills Statements</p> <p>(5.9) Organisms and environments. The student knows that there are relationships, systems, and cycles within environments. (Readiness and Supporting Standard)</p> <p>(3.9) Organisms and environments. The student knows and can describe patterns, cycles, systems, and relationships within the environments. (Supporting Standard)</p> <p>Essence Statement Knows that there are relationships and characteristics within environments that support organisms.</p> <p>Knowledge and Skills Statements</p> <p>(5.10) Organisms and environments. The student knows that organisms have structures and behaviors that help them survive within their environments. (Readiness Standard)</p> <p>(3.10) Organisms and environments. The student knows that organisms undergo similar life processes and have structures that help them survive within their environments. (Supporting Standard)</p> <p>Essence Statement Knows that organisms undergo similar life processes and have structures and behaviors that help them survive within their environments.</p> |

