<table>
<thead>
<tr>
<th>STAAR Reporting Category 1</th>
<th>STAAR Reporting Category 2</th>
<th>STAAR Reporting Category 3</th>
<th>STAAR Reporting Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matter and Energy</strong>: The student will demonstrate an understanding of the properties of matter and energy and their interactions.</td>
<td><strong>Force, Motion, and Energy</strong>: The student will demonstrate an understanding of force, motion, and energy and their relationships.</td>
<td><strong>Earth and Space</strong>: The student will demonstrate an understanding of components, cycles, patterns, and natural events of Earth and space systems.</td>
<td><strong>Organisms and Environments</strong>: The student will demonstrate an understanding of the structures and functions of living organisms and their interdependence on each other and on their environment.</td>
</tr>
</tbody>
</table>

**Knowledge and Skills Statement**

- **(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)
- **(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)

**Essence Statement**

Identifies and classifies matter by its physical properties and determines how matter is changed.

**Knowledge and Skills Statement**

- **(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)
- **(3.6) Force, motion, and energy.** The student knows that forces cause change and that energy exists in many forms. (Supporting Standard)

**Essence Statement**

Recognizes force, motion, and energy and their relationships.

**Knowledge and Skills Statement**

- **(5.7) Earth and space.** The student knows Earth’s surface is constantly changing and consists of useful resources. (Readiness Standard)
- **(4.7) Earth and space.** The students know that Earth consists of useful resources and its surface is constantly changing. (Supporting Standard)
- **(3.7) Earth and space.** The student knows that Earth consists of natural resources and its surface is constantly changing. (Supporting Standard)

**Essence Statement**

Knows that Earth’s surface is constantly changing and consists of useful resources.

**Knowledge and Skills Statement**

- **(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)
- **(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)
- **(3.8) Earth and space.** The student knows there are recognizable patterns in the natural world and among objects in the sky. (Supporting Standard)

**Essence Statement**

Recognizes patterns in the natural world and among the Sun, Earth, and Moon system.

**Knowledge and Skills Statement**

- **(5.9) Organisms and environments.** The student knows that there are relationships, systems, and cycles within environments. (Readiness and Supporting Standard)
- **(3.9) Organisms and environments.** The student knows and can describe patterns, cycles, systems, and relationships within the environments. (Supporting Standard)

**Essence Statement**

Knows that there are relationships and characteristics within environments that support organisms.

**Knowledge and Skills Statement**

- **(5.10) Organisms and environments.** The student knows that organisms have structures and behaviors that help them survive within their environments. (Readiness Standard)
- **(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)

**Essence Statement**

Knows that organisms undergo similar life processes and have structures and behaviors that help them survive within their environments.