



# Third Grade Science

## **Purpose**

The rubrics help teachers and students authentically monitor growth and progress toward end-of-the-year learning standards. They support district consistency across teachers and grading practices. The rubrics provide a broad lens to the intricate and multifaceted learning that takes place throughout the school year. Additional ongoing assessments are utilized to provide detailed data regarding student progress.

## **Philosophy Statement**

Waukee students will construct knowledge about the natural world through exploration, questions, and critical thinking. Learners will utilize process skills and innovative thinking to collaboratively participate in ongoing scientific inquiry for the future.

## Third Grade Science

Statement	Exceeds	Secure	Developing	Beginning
<b>Observes patterns through organization, classification and relationships. (Patterns)</b>	Analyzes and interprets data for evidence to identify patterns.*	Uses similarities and differences within patterns to sort and classify natural objects, as well as identify patterns related to cycles.	Identifies similarities and differences in order to sort and classify natural objects as well as patterns related to cycles.	Observes patterns in order to identify similarities and differences of natural objects
<b>Investigates and explains causal relationships through mechanisms across contexts. (Cause and Effect)</b>	Designs and conducts investigations where components (cause) are changed to create different results (effects).*	Designs, investigates, and explains cause and effect relationships across contexts with evidence.	Investigates, and explains cause and effect relationships across contexts with evidence.	Identifies cause and effect relationships across contexts with evidence.
<b>Examines systems and system models for components and their interactions. (Systems and System Models)</b>	Constructs a model that demonstrates interactions between components of an individual system.*	Constructs a model that demonstrates individual components of a system.	Identifies interactions between components within a system.	Identifies the components of a system.

*The asterisk (\*) denotes one possible way a student could demonstrate enrichment or extension that would be designated as Exceeds Standard.*