

STEAM GRADE 4: Year-at-a Glance

Unit	Title	Performance Expectations
1	Processes that shape the Earth	<p>3-5-ETS1-1. Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.</p> <p>Planning and Carrying Out Investigations</p> <ul style="list-style-type: none"> • Make observations and/or measurements to produce data to serve as the basis for evidence for an explanation of a phenomenon
2	Coding	<p>3-5-ETS1-2. Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.</p> <p>Using Mathematical and Computational Thinking</p> <ul style="list-style-type: none"> • Use evidence to construct or support an explanation or design a solution to a problem
3	Waves and Energy	<p>3-5-ETS1-3. Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.</p> <p>Developing and Using Models</p> <ul style="list-style-type: none"> • Develop a model using an analogy, example, or abstract representation to describe a scientific principle