



Investigating Everyday Phenomena

<p>GRADE LEVELS: K-5</p> <p>Educational Setting: Both in school and out of school.</p> <p>Award Provides:</p> <ul style="list-style-type: none">● One of each of the modules for one grade level of your choice● Attend one 2-hour virtual training session. <p>Additional Cost(s) to Awardee in 2024-2025:</p> <ul style="list-style-type: none">● Not Applicable. <p>Approximate Sustainability Cost After Award Period:</p> <ul style="list-style-type: none">● Price Range: \$19.99-79.99* <p>*Prices may vary and are subject to change</p>	<p>2024-2025 STEM Scale-Up Program Summary: Investigating Everyday Phenomena is a K-5 science program designed to captivate young minds while demystifying real-world phenomena.</p> <p>Key features:</p> <ul style="list-style-type: none">● Grade-Level Modules: four modules per grade (K-5), covering life, earth, and physical sciences; and engineering.● Accessible Learning: module comprises of five lessons under 30 minutes, seamlessly fitting into existing curricula.● Standards-Aligned: adheres to educational standards, ensuring students meet essential requirements.● Hands-On Exploration: hands-on investigations centered on real-world phenomena.● Embedded Literacy Skills: students explore and develop literacy skills, enhancing their ability to communicate scientific ideas. <p>Module contents:</p> <ul style="list-style-type: none">● Comprehensive Resources: Materials for 30 students per module ensure two years of use.● Teacher Support: Comprehensive Teacher Guides offer step-by-step instructions, assessments, and guidance.● Differentiation and EL Support: We cater to diverse student needs with differentiation and English Language (EL) support.● eBook Access: A three-year Teacher eBook license includes phenomena videos, images, and how-to videos that enrich the learning experience. <p>Requirements to Implement the Program:</p> <ul style="list-style-type: none">● Educator(s) choose (1) grade level of Investigation Everyday Phenomena and attend a 2-hour Virtual Training session.● Educator(s) must participate in the STEM Council Scale-Up Educator Survey. <p>Iowa Standards Alignment:</p> <ul style="list-style-type: none">● Investigating Everyday Phenomena modules meet 21st Century Learning Skills and the Iowa's Academic Science Standards.● Solutions for Drought, a 3rd grade Investigating Everyday Phenomena, is a perfect example of the standards alignment design of this program. In this module, students make a claim about the merit of a solution to a real-world problem, drought, which causes environmental changes (IA 3-LS4-4). This module integrates the engineering design process as well as the science and engineering practices. Students respond to the phenomenon much like an environmental engineer, all the while practicing 21st century skills. This module also aligns with Iowa's Academic Science Standard IA 3-5-ETS1-1, 2, and 3.● Another example of how Investigating Everyday Phenomena is aligned to the standards is the module Weathering and Erosion. This 4th grade module focuses on students making observations and/or measurements to provide evidence of the effects of weather on the rate of erosion (IA 4-ESS2-1).● One can also see standards alignment by examining the 5th grade module, Movement of Matter. This module is designed around the standard IA 5-LS1-1 where students support their argument that plants get the materials, they need for growth chiefly from air and water. Standard 5-LS2-1 also aligns to this module.● See how the programs relate to all K-5 Standards.
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