

Where to Use PHENOMENA! STEM ACTIVITY CARDS

6-8

For All Learners

Enrichment

Challenging activities for advanced learners to explore science concepts in greater depth and apply them in new content areas.



Intervention

Hands-on activities with peer support using STEM tools, targeting specific science concepts for those needing additional practice.



English Language Learners

Engage diverse learners with captivating images that speak a universal language.



In-Class Activities

- 1 Warm-Up:**
Engaging activities designed to introduce a new unit and spark student interest in the topic.
- 2 Independent/Small Group Investigation:**
Targeted, standards-aligned activities for focused exploration of science concepts.
- 3 Station Rotation:**
Review activities to reinforce previously learned concepts and informally assess student understanding.

Additional Learning Opportunities

Early Finisher Activity

Enrichment activities that extend learning beyond grade-level standards for students who complete assignments early.



Study Hall Choice Option

Engaging, hands-on collaborative activities for students to choose during free time in their schedule.



Assessment Opportunity

Investigations allow students to demonstrate mastery of specific concepts, potentially improving their grades through the application of knowledge and skills.



After-School (STEM/Robotics Club)

Engaging activities using STEM tools and robotics to explore scientific concepts in a challenging and purposeful way, specifically tailored for STEM or Robotics clubs.



Integration Ideas Across Content Areas

TECHNOLOGY

Integration embedded within activities, making this resource suitable for technology-focused classes.



ARTS

Supplemental activities and assessments using these cards are included, making them a valuable addition to art elective courses.



WRITING

Create writing prompts, activities, and challenges, serving as enrichment and extension tools for ELA classes.



ELA

Search for and explain grammar concepts, as well as to spark creative writing activities.



SOCIAL STUDIES

Research and create presentations, lead and participate in Socratic Seminars related to STEM concepts (e.g. geography, seasons, mapping, latitude and longitude).



..... What teacher's are saying about Phenomena!

“These are perfect for high school classes! High school World Geography social studies teachers, Earth Science science teachers, even Geology science and social science teachers could use these to **enhance their units by having students in groups and passing a card out to each group.** The students could do the activities on one side, but could be responsible for research and a presentation based upon the topic. **High school students love hands-on work, and then don't mind the written work so much!**”

“As a STEM lover and teacher, these **Phenomena cards will give your classroom the edge and excitement that is needed to ensure the success of students** and for them to gain a love of learning. To understand the world around us is one thing but to **experience the world around us** is what these Phenomena cards will do.”