

Theme 4 Performance Task-1 Assessment

Your performance task will be evaluated according to the scoring rubric provided below.

Criteria	Above Average (4)	Sufficient (3)	Developing (2)	Needs Improvement (1)
Understanding and Application of Scientific Concept	The explanation clearly describes how light reflection and mirror placement create kaleidoscope patterns. Scientific reasoning is accurate and well-integrated into the report or presentation.	General understanding of light reflection is shown. Some scientific terms or connections are present but not fully developed.	Basic explanation is present but may be vague or contain inaccuracies. Limited connection to scientific principles.	Little or no understanding of how the kaleidoscope works is shown. Scientific explanation is missing or incorrect.
Construction and Creativity	Kaleidoscope is well-constructed, durable, and highly creative. Decorative elements enhance the design and reflect strong effort and innovation.	Kaleidoscope is neatly made and includes some creative decoration. Minor flaws may exist but do not affect function.	Construction is simple or incomplete. Creativity and effort are limited. Kaleidoscope may not function well.	Kaleidoscope is poorly constructed, lacks creativity, or is not functional. Instructions may not have been followed.
Visual and Written Communication	Poster and report are clear, well-organized, and visually engaging. All required components (diagrams, explanations, visuals) are present and high-quality.	Most components are included and understandable. Organization and visuals are adequate.	Some components are missing or unclear. Visuals may be poorly integrated or unorganized.	Poster/report is incomplete, disorganized, or hard to understand. Required elements are mostly missing.
Time Management and Collaboration	Task was completed on time. Excellent cooperation and role-sharing within the group are evident.	Submitted on time with minor delays. Group worked together with mostly equal contribution.	Delays occurred. Unequal participation or communication issues observed.	Task was late or incomplete. Group collaboration was poor or absent.