

SPACE EXPLORER'S POSTER CHALLENGE

Become a NASA Junior Educator and teach a third grader one big space idea.

DUE TUESDAY, SEPTEMBER 29 • 100 POINTS

Your Mission

Create an educational, eye-catching poster about **ONE** topic: Earth's gravity, the Sun's brightness, or patterns in the sky. Your audience is curious third-grade students at a children's science fair.

EARTH'S GRAVITY

Explain Earth's downward pull and include a safe drop-test idea.

THE SUN'S BRIGHTNESS

Explain why the Sun looks larger and brighter because it is closer.

PATTERNS IN THE SKY

Show a pattern using a graph or chart, such as changing shadows.

Your Poster Must Include

1. Clear Explanation

Accurate science in simple language.

2. Visual or Diagram

A drawing, diagram, or chart that teaches.

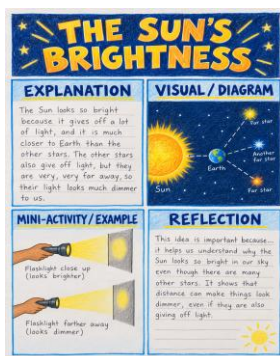
3. Mini-Activity or Example

Something safe and easy to try or understand.

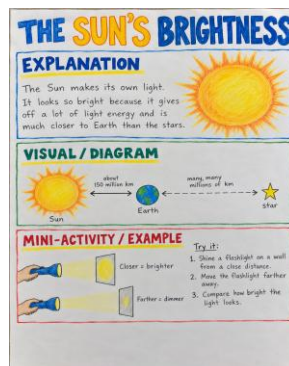
4. Reflection Sentence

"This idea is important because it helps us understand ____."

Example Poster Models: What Changes the Score?



Excellent model
95/100



Developing model
75/100



Incomplete model
45/100

Turn over for the grading rubric.

100-POINT GRADING RUBRIC

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Category	Points	Full Credit	Partial Credit	No Credit
Explanation	30	Clear, complete, accurate, and written in simple language younger students can understand.	Somewhat accurate, missing details, or not fully clear.	Incorrect or very unclear.
Visual or Diagram	20	Creative, colorful, and directly supports the explanation.	Present but unclear, incomplete, or loosely connected.	Missing or unrelated.
Mini-Activity or Example	20	Engaging, easy to do, and clearly fits the topic.	Included but weak, confusing, or missing details.	Missing.
Reflection Sentence	10	Thoughtful sentence explaining why the concept matters.	Included but vague or incomplete.	Missing.
Neatness and Effort	20	Neat, organized, finished, and clearly shows strong effort.	Somewhat neat but rushed or incomplete.	Very messy, unfinished, or shows little effort.

Final Check Before Turning It In

- ☐ My explanation is accurate and easy for a third grader to understand.
- ☐ My visual helps teach the science idea.
- ☐ My mini-activity or example is clear and connected to my topic.
- ☐ I completed the reflection sentence.
- ☐ My poster is neat, colorful, organized, and finished.

Space Explorer's Poster Scoring Rubric

100 Points

Student _____

Homeroom _____

Topic: ☐ Earth's Gravity ☐ The Sun's Brightness ☐ Patterns in the Sky

Category	Check One Point Value	Score
Explanation (30 points)	☐ 30 Clear, complete, accurate, and easy for a third grader to understand ☐ 25 Accurate and clear, but one useful detail could be added ☐ 20 Main idea is correct, but details or clarity are limited ☐ 10 Explanation is unclear, incomplete, or partly inaccurate ☐ 0 Missing or incorrect	<u> </u> / 30
Visual or Diagram (20 points)	☐ 20 Colorful, accurate, and directly helps explain the science idea ☐ 16 Clear and connected to the topic, but could include more detail ☐ 12 Present, but only partly explains the idea ☐ 8 Unclear, incomplete, or loosely connected ☐ 0 Missing or unrelated	<u> </u> / 20
Mini Activity or Example (20 points)	☐ 20 Engaging, easy to try, clearly explained, and fits the topic ☐ 16 Fits the topic and mostly makes sense, but needs one detail ☐ 12 Included, but directions or connection need improvement ☐ 8 Weak, confusing, or very incomplete ☐ 0 Missing	<u> </u> / 20
Reflection Sentence (10 points)	☐ 10 Thoughtful and clearly explains why the idea matters ☐ 8 Complete and connected to the topic ☐ 6 Shows some understanding but needs more explanation ☐ 4 Vague or incomplete ☐ 0 Missing	<u> </u> / 10
Neatness and Effort (20 points)	☐ 20 Neat, colorful, organized, finished, and shows strong effort ☐ 16 Organized and complete with good effort ☐ 12 Mostly complete but needs better organization or finishing ☐ 8 Rushed, difficult to follow, or incomplete ☐ 0 Unfinished or shows very little effort	<u> </u> / 20

TOTAL SCORE: _____ **/ 100**

Teacher Feedback
