

## Safety Suit Competition (Due: January 31, 2025 11:59 ET)

**Prompt:** In 1,000 words or less, write an **essay** describing a problem that a safety suit can solve and the best design for the safety suit to solve those problems. To write the essay, you will need to design a safety suit that someone would use to stay safe while doing an important job. Managing risks also includes exploring opportunities. Describe how your suit addresses those risks and the opportunities your suit creates.

Include two **scale drawings** that show how your suit works.

### Overview

Written work is assessed for structure, grammar, content, and scale drawing.

**Structure** refers to the overall organization of the writing. A cohesive, successful essay has clear topic sentences that introduce each paragraph or idea, supporting details to explain each idea, and conclusions to summarize the ideas. Transition sentences connect ideas and show how the ideas build on each other.

**Grammar** means the writing is clear and understandable. Good writing does not need to be complex. Sentences should use commas, transition words, and punctuation to create meaning. Very minor point deductions reflect grammatical mistakes for incomplete sentences or misspelled words. Review your work before submitting to make sure there are no grammatical errors.

**Content** includes your response and your voice. Author's voice is an essential part of good writing. We want to hear your voice, not artificial intelligence. AI can be used for research, but not for creating your response. Successful writing will clearly reflect the author's unique written voice and vocabulary. Additionally, the author's ideas show a thoughtful response to the prompt. Both problems and solutions should be thoroughly explained and supported with details. Opportunities for the design to benefit a real industry should be explained. The suit design should address a real-world problem or risk.

**Scale Drawing** should show key elements of your solution and clearly state the scale factor. The scale drawing should show content in your writing. They should not introduce new ideas that are not described in your writing.

### Rubric

#### Topic sentences

2/25 points

Topic sentences are unclear or too short to capture the topic.

1

Topic sentences are vague or partially shows the topic.

1.5

Topic sentences show complete understanding of the topic.

2

## January Competition Writing Rubric: Grades 7-12

### Supporting details in paragraphs

**2/25 points**

Includes 0-1 factual details. <b>1</b>	Only 2 details are provided, or some facts are incorrect. <b>1.5</b>	More than 2 details are provided, and all included facts are correct. <b>2</b>
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### Conclusion paragraph

**2/25 points**

Conclusion is unclear or too short to capture the topic. <b>1</b>	Conclusion is vague or partially shows the topic. <b>1.5</b>	Conclusion shows complete understanding of the topic. <b>2</b>
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### Grammar

**2/25 points**

Grammar inhibits a reader from understanding. <b>1</b>	Grammar detracts from the reader's understanding. <b>1.5</b>	There are three or fewer minor grammatical mistakes. <b>2</b>
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\* Subtract 0.1 scoring points for each misspelling or incomplete sentence.

### Voice

**2/25 points**

Author's voice is not identifiable. <b>1</b>	Author's voice is partially identifiable or generic. <b>1.5</b>	Author's voice is clearly identifiable and unique. <b>2</b>
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### Problem and risks

**5/25 points**

Problem and risks are undefined or unrelated to topic. <b>1</b>	Problem and risks are partially defined. <b>3</b>	Problem and risks are clearly defined and related to topic. <b>5</b>
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### Solutions

**8/25 points**

Solution and opportunities are unclear, unrelated to problem, and unjustified. <b>1</b>	Solution and opportunities are partially explained or justified. <b>5</b>	Solution and opportunities are clear, related to problem, and justified with multiple details. <b>8</b>
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### Scale Drawings

**2/25 points**

Scale drawings are unclear or unconnected to the solution. <b>1</b>	Scale drawings are partially clear or partially connected to the solution. <b>3</b>	Scale drawings are clear and well connected to the solution. <b>5</b>
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**Total: \_\_\_\_\_ / 25 points**