

The Ghana Science & Tech Explorer Prize (GSTEP) Challenge 2023

Judging Criteria

Instructions

This document outlines the criteria that assessors and judges will be using to assess ideas in the finalist support stage, as well as some prompt questions. The judges will also use these criteria to help decide the successful teams.

These questions should help to guide students' thinking on some key points to consider in the development of their ideas and in preparation towards their pitch to the judges.

If you have any questions, you might find the answer in the Frequently Asked Questions (FAQs), which can be found on the GSTEP Challenge website: www.gstep.org.gh.

If not, please email challenge@gstep.org.gh or contact 0595703311.

Good luck on your mission to become the next best inventors!

1. IMPACT: Has the team clearly explained the problem they are trying to solve? Is this a problem that needs solving?

Prompt questions:

- What is the problem you are trying to solve?
- How will your idea help to solve the problem?
- Why have you chosen to work on this specific problem?
- Why is your idea needed?
- Who does the problem affect and how does it affect them?
- Who will benefit from your idea?

2. INNOVATION: Is the project an innovative idea that uses Science and Technology in a new way?

Prompt questions:

- How does your idea use Science and / or Technology?
- Are there similar ideas that already exist? How is yours different from existing inventions, products and / or services?
- What makes your idea stand out?
- What makes your idea unique?

3. ENTERPRISING: Has the team clearly explained the steps they would need to take to turn their idea into a reality?
Is the idea feasible?

Prompt questions:

- What are the practical steps you have taken to build or create your idea?
- What are the next steps you'll need to take to build or create your idea?
- What materials and / or technology have you used to develop your prototype ideas?
- What additional materials and / or technology do you need to turn your idea into a reality?
- What research do you need to do to turn your idea into a reality?
- Who is your target audience? Who will use it?
- How much is your idea likely to cost? Will your target audience pay for it?
- Is this idea feasible?

4. TEAMWORK: Has the team worked together effectively?

Prompt questions:

- How did you work together as a team?
- Were the contributions and strengths of all team members recognised?
- How did you communicate with each other?
- How did you share work and responsibilities across team members?
- How often did you meet?
- What did you gain from working together as a team?
- What problems, if any, did you need to overcome?

5. COMMUNICATION: Does the team have a clear plan for marketing and promoting their idea to their target audience?

Prompt questions:

- How will you advertise or market your idea?
- Which communication channels will you use to reach them (e.g. newspapers, TV, social media etc)?
- Do you have a clear plan for marketing and advertising your idea to your target audience?
- Why have you chosen these advertising and communication channels?
- What messages would you use to make people want to buy or use your idea?

6. HEALTH, SAFETY & ENVIRONMENTAL CONCERNS (RISK FACTORS): Has the team thought about how they would make their idea safe for people and the environment?

Prompt questions:

- What are the ethical impacts of your idea?
- Can this idea have a negative impact on society?
- Can someone with negative intent misuse your idea?
- What could you do to prevent the possible negative impacts?