Designing Solutions for a Better World

The world faces many challenges today, from access to clean water to education inequality. MIT will be setting you three exciting challenges this year to think about how we can make the world a better place. For the opportunity to win a place on a once-in-a-lifetime trip to visit MIT, Nord Anglia is setting you a fourth challenge.

Your challenge is to think of a problem or issue that you are passionate about and design a creative solution using the resources available at MIT. How can cutting-edge technology, research, or innovation from MIT help solve this problem? We want you to not only think about the solution but also why it's necessary and impactful.

The Task

1. Identify a Problem or Issue:
- Think about a global or local problem that needs solving. It could be related to the environment, health, technology, education, or any other issue that concerns you.
- **Ask yourself:** Why is this issue important to me, my community and the world? Why does it need solving now?

2. Design a Solution:
- Use your imagination, knowledge, and collaborative skills to design a solution that could be developed or supported by resources at MIT. Consider how working with others—either as part of this project or based on past experiences—has helped shape your thinking. You can draw on MIT's state-of-the-art labs, research programmes, and unique technology.
- Explain your solution in detail. How would it work? Who would benefit? How would you measure its success? How did collaboration or input from others help you develop or refine your idea?
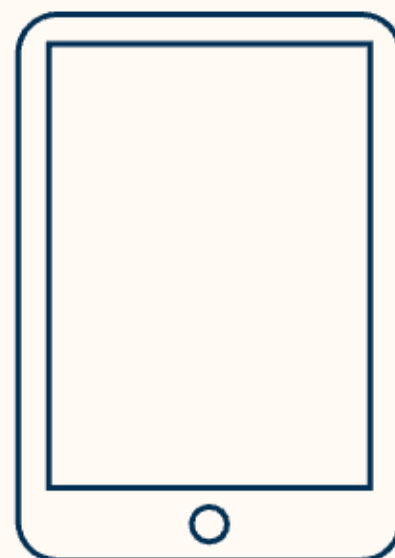
3. Create a Poster:
- Design a poster that clearly explains your chosen problem, why it is important, and the solution you propose.

Tips for a Great Poster:
- **Visual Appeal:** Use images, graphs, and colour to make your poster engaging.
- **Clarity:** Make sure your text is easy to read. Use bullet points and headers to organise information.
- **Focus:** Stick to the key points. Don't overload the poster with too much text or information.
- **Creativity:** Think outside the box. How can you make your poster stand out?

4.Present your Poster :

- Record a short video (2-3 minutes) where you present your poster and explain your solution. This must be an individual video: each student must record their own presentation.

Tips for a Great Video:
- **Confidence:** Speak clearly and confidently about your project.
- **Visuals:** Use your poster as a visual aid during your presentation.
- **Engagement:** Make your presentation interesting by showing enthusiasm and explaining why this issue and solution matter.

Submission Guidelines:
- **Submission:** Submit your poster and video to your school STEAM Lead.
- **Poster:** Submit your poster in PDF or image format.
- **Video:** Submit your video presentation file or a link to a hosted video (e.g., YouTube or Vimeo) - make sure the file is visible to your teacher (not password protected or set to private view).
- **Consent:** Your teacher will share a letter with your parents. If your parents are happy for you to participate in this competition, they will need to complete a linked form and give consent.
- **Due Date:** Check with your teacher

Evaluation Criteria:

Your submissions will be judged on:

1.Problem Identification
- Have you clearly identified a significant and relevant global or local issue? Do you demonstrate a deep understanding and personal connection to the problem?

2.Solution Development
- Is your solution innovative and feasible? Have you made strong use of MIT resources? Have you thoroughly explained your solution, including the benefits and measurable success indicators?

3.Creativity and Collaboration
- How original and creative is your solution? Have you demonstrated effective collaboration with others and shown how working with others strengthened your ideas?

4.Clarity and Communication
- How well do you explain the problem and your solution? Is your explanation clear, logical, and easy to follow?

5.Visual Design
- How effective and engaging is your poster? Is your poster visually appealing, well-organised, and does it make good use of images, graphs, and colour?

6.Presentation Skills
- How clear, confident, and compelling is your video presentation? Have you effectively used your poster as a visual aid and clearly articulated your ideas with enthusiasm?

Good luck! We're excited to see how you plan to make the world a better place with the resources available at MIT.