Outbox 2020: Project Examples

Projects done by Outbox participants need to be feasible during the two-week period, and will be decided collaboratively by participants in their groups at the beginning of the sprint. We're excited to see them on topics from across the breadth of STEM, and related to industry, entrepreneurship or academia. Participants will be able to present them on the final day of the sprint in an extended Show'n'Tell session ending at 5pm in front of parents, role models and other participants.

Streams participating in Projects:
Outbox Connect: 11-15 year olds
Outbox Academy: 16-25 years olds

Roughly 10 hours, as a group of up to 5 individuals.

Project can take the format of:
- Product pitch deck (might include: benefits, disadvantages, pricing model, USP, expertise/STEM knowledge needed, size of audience, celebrity/expert review)
- Presentation
- Film, Animation or Video
- Poster, Display Image, Collage or Scrapbook
- Research Project or Whitepaper (like an EPQ)
- Demo Product or Website
- Online Repository
- Blog Post
- Resource or eBook

Topics for projects that will be suggested are below. These are a starter guide only, and groups will be encouraged to formulate their own topic – based on their preferences, what they'd like to explore, the timeframe and the virtual constraints of project work.

Entrepreneurship

- Sustainability focussed product or idea (e.g. creating from natural products only or reused items)
- HealthTech product or idea
- Artificial Intelligence product or idea
- BioTech product or idea
- Product that solves a problem.
- EdTech (Education) product or idea
- Introduction to a new tech trend or sector
- Combination of the above!

Industry

- 'What inspired you?': a look at what inspired role models to pursue their STEM careers
- Forgotten Women – stories of women that people should really know about. Shining a light on people or one person who has contributed a lot to their field, but hasn't been recognised as such.
- How to talk about diversity or affirmative action as a teenager / parent
- Black Lives Matter and STEM
- The Future of …. Science/Technology/Engineering/Media/Sport/Art/Fashion
- Mistakes made during the Coronavirus pandemic across countries or industries

Academia

- Recreating experiments virtually – how to do Science virtually doing Covid-19 pandemic
- An explainer of Gravity (or insert other Scientific/Mathematical/Technical/Engineering topic here)
- Fields of Mathematics: parts of the subject they don't teach you in school, but that you can take to a high level
- New trends of academic research being used for Innovation (where Academia meets Entrepreneurship).
- Coronavirus vaccines and testing.
- Disproving Scientific Theories (for example A look at Epigenetics – environment changing genetics)
- Diversifying Textbooks – an alternative Textbook which is less white and less male.
- What the STEM classroom should look like for a more balanced experience (for girls, and people of colour).