

Paralympian and Versarien Project

Introduction

Versarien are a company based in Gloucester and specialising in developing composite materials. They have been working closely with the British Skeleton Team to use the properties of Graphene to design and make a more efficient sled for the skeleton team.

http://www.versarien.com/files/8615/1998/8339/Release_Bromley_Skeleton_Olympics_1_March_18.pdf

Versarien are asking you to develop a piece of piece of equipment used by a Paralympian to help improve their performance. The equipment will be made from Graphene and you will need to explain which properties of the material you are focussing on and how this will be used in the piece of equipment.

To help support the athlete you will also be expected to design a piece of wearable tech that can help in the performance or training of the athlete. <https://builtin.com/wearables>

You only have four hours to complete the work and your team will present your ideas to the other students and members of staff in the classroom. It is therefore essential that you assign tasks to all team members building upon their strengths. All work will need to be submitted digitally to Jennie Peirce.

After two hours you will be given an ethical question to answer. You must include the answer to this question in your presentation.

What you will be expected to produce in your presentation

Who is in your Team and their roles

Research into Graphene

Research Olympic sport

Research wearable tech

Design ideas for equipment and wearable tech

Final design for your sporting equipment

Final design for your wearable tech

Conclusion including answering the ethical problem.

Feedback

You will receive feedback from your class teacher at the end of the day. The presentations will be sent to Versarien who will be judging them and will provide prizes!

UniFrog

At the end of the day you will need to evaluate what you have done, using the feedback you have been given. This will be added to your UniFrog account and will contribute towards your Baker Award at the end of the year. You will be given more information about the Baker Award at the beginning of the next project.

Good luck and enjoy the project.