5th May 2023

Dear Parents/Carers,

**Campion Science Fair**

We will be holding a Campion Science Fair on the 14th July 2023 and some of our curriculum time will be given over to the planning and preparation for this.

This week, for year 7, and after half term for year 8 and 9, in their Google Classrooms, students will have access to the preparation materials and project themes. The idea is that they will be able to begin the process to designing their entry.

In a change to last year’s Science Fair in response to student, staff and judge feedback we have streamlined the themes for the fair. Whilst we don’t want to limit creativity, the open structure of last year left many students struggling for ideas. This year will deliver 4 key themes and briefs and their interpretation of these briefs is where the creativity will lie.

The themes are:

**Wild Creations** –A Wild Creation is an indoor or outdoor sculpture that reflects an aspect of the students' culture. Inspired by the giant rugby ball created for Cardiff Castle for the 2015 Rugby World Cup, Wild Creations are about inspiring students to use their imaginations, dream big, and discover that they can create just about anything they put their minds to!

**A Home for Everyone**– There’s been lots in the news about a UK house shortage. Your challenge is to design a house that is safe, comfortable, accessible and secure, that supports health and well-being; a house that is truly a home.

**Sustainable Solutions** - Explore the connection between industrialisation and sustainability. Your challenge will be to come up with an idea for a sustainable start-up business linked to your local community

**Taught by technology** - This looks at the connection between humans and technologies. You will conduct and investigation comparing and evaluating AI powered apps.

**Format:**

Each class will have 1 planning lesson where they will form their teams and decide on their project. This will be followed by 6 lessons of design and build in project specific classrooms.

Each class will then decide on their class winner and that winner will go through to the science fair final in July. Each year group will have a separate final slot.

Independent (from their class and form teachers) judges will decide upon the winner in each of the 5 categories:

* Year 7
* Year 8
* Year 9
* Overall Fair winner

**Judging:**

If anyone is currently working in a STEM (Science, technology, engineering and maths) industry and would like to be a judge please do not hesitate to get in touch. We had 4 fabulous judges last year and they did a tremendous job. You would need to be available on the 14th July for the finals. A part time approach could be considered.

**One last thing:**

They will only have access to normal levels of science educational materials. During your discussion with your child about their project, if it is very resource heavy like ‘Wild Creations’ or ‘Home for Everyone’ (i.e. requires plastic bottles, toilet roll tubes, cardboard, bottle tops, jam jars etc) please can you begin collecting materials at home. We will do our best to collect as a department but we are only 12 and there are 600+ of them!

We are very excited about this science fair and I would like to thank you for your support thus far. If you have any concerns or queries please do not hesitate to contact your child’s science teacher in the first instance.

Yours sincerely,

Mrs Wiseman

Head of Science