



Example Case Studies

Big Bang at School 2024–25 Event Examples

William Perkin CofE School *Example of a themed carousel event*

Model: Carousel

Event date: 2nd May 2025

Student reach: 1,300 young people in KS3 and KS4

EDI Criteria: Significantly above average ethnicity

Format: This fair is a **carousel** styled event with numerous activities including a keynote assembly from Oxford University, hands on workshops showcasing careers in STEM and a show by the Royal Institution. The theme this year was “**All the Small Things**” which includes exciting activities around the science and engineering of the small. Think cells, atoms, viruses and stardust.

Details on Activities

Keynote speakers: Dr [Rebecca Jeffery](#) from Oxford University (Microbiology) and Professor [Ray Owens](#) from Oxford University (Molecular Biology)

Assembly Show: Royal Institution (Super Cells)

Workshops: Animals UK, Centre of the Cell (Snot, Sick and Scabs), University of West London (Little Numbers), University of West London (Neuroscience in Sport), University of West London (Microbial Metabolism), University of West London (Stardust), MRC Lab of Medical Sciences (Microbiology), Synthoma (Microbiology), London School of Health and Tropical Medicine (Biology of Malaria), Canal & River Trust (Ecology of Waterways), Harbour Energy (Energy), Imperial College (Atomic Chemistry), Sainsbury Wellcome Centre: (Neutrons)

[Watch our case study video on William Perkin CofE High School's event in 2024.](#)



Support

We have provided the school with a **£650 bursary** and linked them to **free outreach** activities.

Inspiration

This event is a great example of how a school can combine an **assembly show**, **talks** and **numerous workshops** into a carousel day and fit the activities into a STEM inspired theme.

Sarah Bonnell School

Example of a carousel style event

Model: Carousel

Event date: 5th March 2025

Student reach: All of Year 7 (~1,300 young people)

EDI Criteria: Above average FSM (42%) and Ethnicity (98%). All-girls school.

Format: This was a **carousel** styled event which involved a rotation of activities throughout school periods across a timetable. The school combined the Big Bang at School event with **International Women's Day** to create a IWD x STEM crossover day.

Detail on Activities

Assembly show: All Year 7s attended the International Women's Day assembly which celebrated achievements of **women in STEM** from school's alumni, including the [first RAF Military Pharmacist](#).

Hands-on Workshops:

- Big Bang AI Design Challenge
- Medical Mavericks
- Planetarium 360 Immersive experience
- Sublime Science
- ZooLab Biomimicry Workshop
- SPITE Queen Mary University of London
- Bracelet Making for International Women's Day

Support

Our **£650** bursary helped secure some of the external content that amounted to **£4,000** in total.

Inspiration

This event was a great example of how a school can combine their Big Bang at School event with International Women's Day to celebrate inspirational women in STEM. Sarah Bonnell School is an **all-girls school**, so this theme enhanced the message of encouraging young girls to pursue careers in STEM.

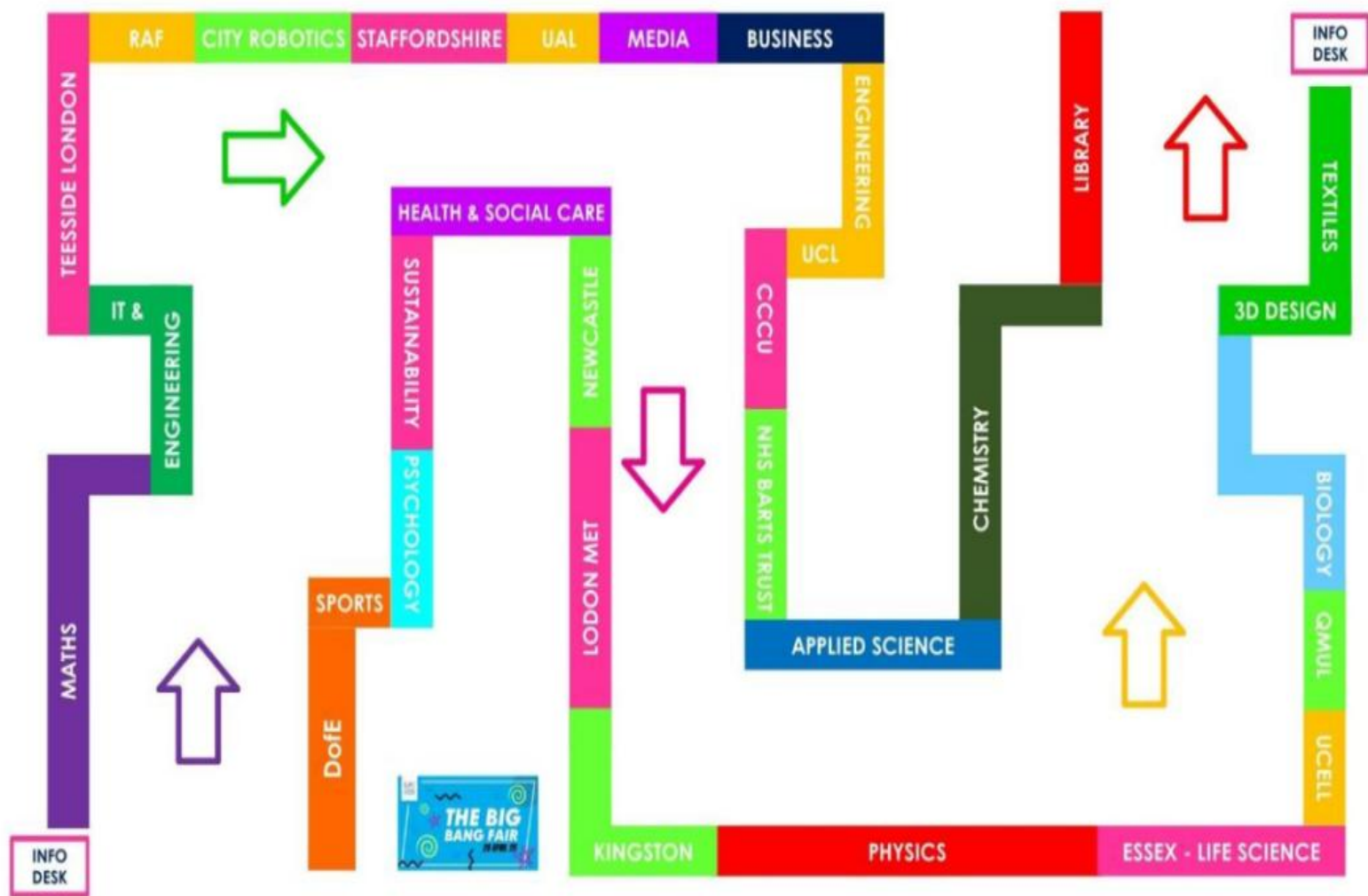
Example timetable of a carousel style event.

| | 8:30-8:55 | 9:00 - 10:00 | 10:00 - 11:00 | | 11:20-12:20 | | 13:00-14:00 | 14:00 - 15:00 |
|---|---------------------|---------------------------------------|---------------|-------|--|-------|---------------------------------------|--|
| | Form Time | Period 1 | Period 2 | | Period 3 | | Period 4 | Period 5 |
| S | Bracelet Making IWD | Medical Mavericks | IWD Assembly | BREAK | Planetarium | LUNCH | Bracelet Making IWD | Big Bang Design Competition Form Room |
| A | Bracelet Making IWD | Big Bang Design Competition Form Room | IWD Assembly | | ZooLab - H05 | | Planetarium | Sublime Science |
| R | Bracelet Making IWD | Planetarium | IWD Assembly | | Sublime Science | | Medical Mavericks | Big Bang Design Competition Form Room |
| H | Bracelet Making IWD | Sublime Science | IWD Assembly | | Big Bang Design Competition Form Room | | SPITE Queen Mary | Medical Mavericks |
| B | Bracelet Making IWD | Big Bang Design Competition Form Room | IWD Assembly | | Big Bang Design Competition Form Room | | Sublime Science | 15 students to Planetarium 15 students Zoolab |
| N | Bracelet Making IWD | Big Bang Design Competition Form Room | IWD Assembly | | SPITE Queen Mary | | ZooLab - H05 | 15 students to Medical Mavericks 15 students Zoolab |
| E | Bracelet Making IWD | ZooLab - H05 | IWD Assembly | | Medical Mavericks | | Big Bang Design Competition Form Room | SPITE Queen Mary |
| L | Bracelet Making IWD | SPITE Queen Mary | IWD Assembly | | 15 students to Medical Mavericks 15 students Zoolab | | Big Bang Design Competition Form Room | Bracelet Making IWD |

Leyton Sixth Form College *Example of a fair style event*

Model: Fair show floor style
Event date: 29th April 2025
Student reach: 700 KS3 from 14 local schools
EDI Criteria: Schools attending Significantly above average ethnicity and FSM

Example map of the show floor for a Fair style event:



Format: This Fair is a **show floor styled event** with numerous **hands-on activities** from companies, universities and a **peer-to-peer approach** with college students representing STEM departments. Local schools were invited to attend the fair and follow the careers trail to interact with stand members and get inspired about STEM careers.

Details on Activities
Careers: RAF, City Robotics, NHS Barts Trust, Department of Education
Universities: Teesside University, Staffordshire University, University of the Arts London (Design), UCL (Chemical Engineering), Canterbury Christ Church University, Queen Mary, University London, University of Essex, Kingston University, London Met, University of Newcastle
Peer-to-Peer student stands: Media, Business, Engineering and IT, Applied Science, Chemistry, Textiles, 3D Design. Physics
Career Trail: to link the activities together under one narrative.

Support
We did not provide this school with a bursary in 24.25 but we have linked them to **free outreach networks**, offered event planning support and supplied **free career resources**.

Inspiration
This event is a great example of how a school can deliver an impactful careers fair style event, with **hands-on activities** on the stalls, and utilise older students for **peer-peer** support. It is also an example of how you can engage external schools to expand the reach of your event to your **local community**.