



The Big Bang Fair 2023: Evaluation summary



Ages 10 to 13



One-off event



Teacher selected groups



Showcase of STEM careers

In 2023, approximately **15,738 students** attended The Big Bang Fair

Evaluation respondents ¹

2,456 students

291 teachers

Student Gender

Female.....**47%**

Male.....**48%**

Other gender identities.....**5%**

Student Ethnicity

Asian, Asian British.....**22%**

Black, Black British..... **8%**

Multiple ethnic groups.....**7%**

White.....**61%**

Other ethnic groups.....**3%**

Student STEM engagement ²

High..... **46%**

Medium..... **42%**

Low..... **12%**

Student Disability

Consider themselves disabled... **11%**

88%

of students say they **enjoy The Big Bang Fair**

71%

of students say that attending made them **want to do more STEM activities**

73%

of students say that attending **made them want to find out more about STEM careers**

97%

of teachers **agree that The Big Bang Fair was engaging** for their students

After attending The Big Bang Fair...

Capability



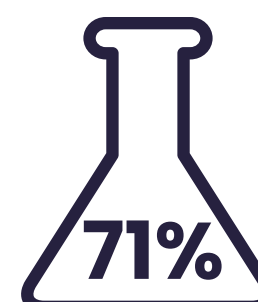
59% of students say they **know what job they want to do when they're older**



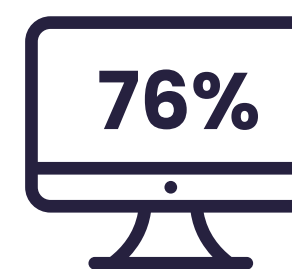
60% of students believe they **could become an engineer if they wanted to**

Motivation

Students said that they are **interested in a future career involving:**



Science



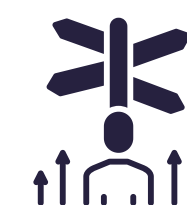
Technology



Engineering

Opportunity

70% Likelihood



67% Confidence

Teachers are more likely to **suggest to a student that they consider a career in engineering and** are more confident **giving related careers advice**

Students need **capability, motivation and opportunity** to pursue further study and careers in STEM



Teachers have an important role to play in supporting students to achieve this

1. Students and teachers were asked to complete the evaluation survey at The Big Bang Fair.

2. STEM engagement refers to the degree to which young people possess the requisite knowledge, attitudes and capability to pursue science, technology engineering or mathematics (STEM). This was calculated based on students' survey responses to our question asking about the type of science related activities they already do outside of school.

