

Blast off! for Space Academy Cardiff

A STEM eLearning event for Cardiff school children

PROJECT BRIEF

Each year, **Cardiff University** joins forces with the **Cardiff local authorities** to provide a space education week for disadvantaged children from around the district.

They wanted us to create a short eLearning course to consolidate and check for learning at the end of the week in a fun digital way.

CHALLENGES

The eLearning would be taken in groups at the event location using tablets for access. A time limit would need to be established.

The children would be of different abilities, but everyone needed to be rewarded for effort.

SOLUTIONS

We created a free mini space eLearning course, **Blast Off!**

The syllabus was drafted from our own expertise with (green) environmental technology, spaceTech partners, and as STEM and MARS Society ambassadors.

The accessibility and reading pace was checked for the age group, aiming for the lowest ability to complete all content within 20 mins.

Our team attended the event in person to help monitor the eLearning activity and assist with questions from students.

We produced a range of achievements to ensure “everyone wins”!

OUTCOMES

- Students were engaged and appreciated a fun digital activity.
- The eLearning helped measure understanding of new skills and knowledge from the week of events.
- The cartoons and story universe made the content appealing and more memorable.
- The event organisers wanted exactly the same activity repeated for 2024 and beyond!

At a glance

Course: **Blast Off!**

Topics: **space, STEM**

Platform: **STEM Futures**

Type: **community contribution**

Size: **1 Module, 20 minutes long**

Key metrics



First event in 2023



100+ attended



4 x custom achievements



STEM education



Space activity