is important to identify the requirements of the target audience.

A learning needs analysis (LNA) online survey was developed to identify the learning requirements of students, and to gain feedback on the Clinical Immunology laboratory tour video developed for Healthcare Science Day. The LNA was distributed to UK secondary school students via multiple social media channels.

The LNA received 48 responses from students across the UK, with a roughly equal distribution of responses across all school years. Slightly over half of the respondents (55%) identified as female, with a mix of different reported ethnicities that demonstrated that the survey had reached a range of respondents.

When asked about their current experience of STEM careers, only 47.9% responded that their school had a formalised STEM careers programme, and 54% had not taken part in a STEM careers activity, demonstrating that schools may not be successfully promoting STEM careers to their students, further impacting on uptake of STEM subjects in higher education and application to STEM careers.

The majority of respondents agreed that the information in the laboratory tour video was useful (56.3%), but only 33.8% agreed that they would investigate further into healthcare science careers as a result. The general consensus amongst respondents was that the video needed to be longer, and to explain some of the concepts raised in more depth.

In conclusion, this survey provided a wealth of useful information that could be used to develop more effective digital STEM careers resources to be used in schools in order to raise the profile of healthcare science careers.

### UNDERSTANDING STEM CAREERS REQUIREMENTS OF UK SECONDARY SCHOOL STUDENTS

1Rahma Omar, 2Victoria Heath. 1Secondary school student on work experience placement; 2GOSH

Over half of STEM careers employers have reported difficulty in recruiting workers with the correct skills (The Open University, 2019), and it has been demonstrated that engagements with schools by employers can help support students to become more career ready (The Careers and Enterprise Company, 2020). Healthcare scientists work in the NHS using STEM skills to support diagnosis, prevention and treatment of disease and injury. As a lesser known career path, engagement with schools to raise awareness of healthcare science careers is vital.

An online learning needs analysis (LNA) was constructed to acquire an understanding of students learning requirements for STEM careers events, and to gain feedback on a previously recorded careers video. The LNA was distributed through a variety of social media channels.

Responses were received from 111 UK secondary school students aged 11-18 from a wide range of locations and ethnic background. Responses showed that the most commonly checked social media sites were Tik Tok (90.2%), Youtube (87.5%) and Instagram (84.8%) demonstrating the best sites to target in order to engage with students.