

Senior Research Assistant B – STEM Try Five + Project

Biology, Engineering, Chemistry, Electronics, Rocketry + Coding

(Short term specified purpose contract with estimated duration of 5 months)

Access & Outreach

Reference: 110/2024

Technological University Dublin

Job Description

TU Dublin Access & Outreach is seeking to appoint a Senior Research Assistant B – STEM Try Five + Project (Biology, Engineering, Chemistry, Electronics and Rocketry + Coding) on a short-term specified purpose contract with estimated duration of 5 months, whole-time basis.

The post holder is expected to develop, co-ordinate and deliver a programme of STEM workshops in partnership with TU Dublin linked DEIS primary schools. The project is funded by Workday.

The STEM Try Five + Project aims to provide pupils from DEIS primary schools with an opportunity to get hands-on experience in engaging in STEM activities. This will result in increasing pupils' understanding of STEM and its applications to everyday life and to their future careers. The research is concerned with demonstrating a shift in attitude towards STEM subjects in terms of confidence gained, increased knowledge and understanding of their potential, and improved skill levels.

Principal Accountabilities

- Plan, develop and deliver a cohesive programme of STEM engagement workshops for primary school pupils that relate to the primary school curriculum and to wider applications in science and technology.
- Develop STEM curriculum materials and resources for teachers to use within the classroom.
- Engage in data analysis, project evaluation and development work as appropriate.
- Manage all data entry systems, and prepare reports on qualitative and quantitative data.
- Carry out any other duties within the scope, spirit and purpose of the job as requested by the Project Manager.
- Actively comply with all TU Dublin policies and regulations, including those in relation to Research Ethics, Health and Safety, GDPR and Child Protection.

Person Specification

The ideal candidate will demonstrate the appropriate mix of knowledge, experience, skills, talent and abilities as outlined below:

Experience

- Successful completion of a Master's Degree in a relevant discipline ***(essential)***
- 2 years post-graduation research experience in the public or private sectors. ***(essential)***
- Experience of delivering educational workshops or activities to primary school pupils, early secondary-age school students, youth groups or similar. ***(essential)***
- Experience in planning and developing interactive STEM workshops for primary school pupils, early secondary age school students, youth groups or similar. ***(essential)***
- Experience in gathering, reviewing and analysing data on educational outreach activities and generating reports on both qualitative and quantitative data. ***(desirable)***

Knowledge

- Understanding of the Irish education system, in particular primary & post-primary STEM education.
- Appreciation of the relationship between socio-economic disadvantage and educational opportunity.

Skills, talents & abilities

- Excellent facilitation, communication, training and presentation skills.
- Ability to map, manage and implement systems for evaluation.
- Ability to deliver high-quality work through teamwork and partnership.
- Ability to problem-solve effectively and efficiently.
- Initiative, persistence, flexibility and a high level of motivation and enthusiasm.
- Ability to plan, negotiate and implement effective educational initiatives.
- Excellent organisational skills, time management and ability to undertake duties assigned and meet deadlines required.

Salary

- **The successful candidate will be appointed at Point (01) of the Senior Research Assistant B salary scale i.e. €37,843 gross per annum.**

Interested parties should send a current CV and cover letter to riona.fitzgerald@tudublin.ie by 5 pm Friday 27th March with interviews taking place on the week of April 8th.