

Ripley TSA Paid STEM Internships Programme 2018

This programme is part of a government drive to attract undergraduates in STEM subjects to consider a career in teaching. For some time now there has been a shortage of subject specialists teaching these subjects in schools.

The objective is to increase attainment and progress of pupils in STEM and high quality teaching is the most important factor in achieving this objective. We need highly qualified STEM teachers so that the teaching of STEM subjects can be improved.

Therefore, the aim of our paid STEM internship programme is to help you to gain classroom experience to help you decide if teaching is for you and to support you in making a future ITT (initial teacher training) application. In addition, we welcome the contribution that you can make to STEM teaching during the 4 weeks you are with us by carrying out an individualised project. This could be any one of the following:

- Maths intervention work with individual or small groups of pupils
- Teaching of a specific topic or project in your subject, eg building a rocket or a scientific investigation
- Contributing to careers education by promoting your subject to pupils, especially encouraging girls into science or engineering
- Creating teaching resources for STEM teachers
- Helping STEM teachers to develop and update their own subject knowledge for teaching
- Run a club or extracurricular activity relating to STEM
- Dissemination of your own research to teachers and/or pupils

A **subject mentor** will discuss the initial ideas for the **individual project** from the selection interview and identify any areas of help which the subject department would welcome based on intern expertise and subject strengths.

The 4 week programme:

A **weekly focus** will be set by a half day **professional studies** session every Monday to include teaching and learning, behaviour management, lesson planning and creating resources, all linked to the **Teacher Standards**. Interns will undertake **lesson observations** in STEM subjects but also across the whole school, such as tracking a pupil and a teacher for a day to get a sense of what the school day involves. Interns will then progress from observations to **team teaching** with peers and mentors to deliver parts of lessons, use of resources and small group and individual pupil support.

Creating resources for teaching STEM subjects will be an important part of this programme, as will dissemination of subject expertise to STEM subject departments.

Each intern will complete a **Subject Knowledge audit** during the programme to enhance their understanding of the STEM curriculum in schools and the level of understanding expected in the secondary age phase. Completion of structured observations and **reflective writing** will give interns a flavour of what is expected on a PGCE programme and how to develop their reflective writing skills.

Week	Professional studies programme	Intern teaching activities and tasks	Other info
1	Teaching, Learning and Behaviour	Whole school observations – pupil track Departmental observations	Interns will meet their mentor and discuss their Individual Training Plan and project Interns will receive an Observation Booklet with structured activities to complete during the 4 weeks Interns will receive a Subject Knowledge audit proforma which will allow them to build up their knowledge of the national curriculum in the relevant STEM subject during the 4 weeks
2	Planning lessons	Create detailed lesson plans and deliver a lesson or parts of lessons Individual project work	Interns will work with mentor to produce appropriate lesson plans
3	Creating resources	Create teaching resources for the department Deliver a lesson/parts of lessons using created resources Individual project work	Interns will discuss with mentor the resources to be created
4	Applying for ITT End of programme evaluation	Plan a topic/short scheme of work Individual project work	Interns will complete SK audit and observation booklets and discuss with mentor

You will be paid £300 for each full week you attend this programme.

At the end of the programme trainees will have a taught session about **applying for ITT courses** – different routes, requirements and how to make a successful application. They will finalise their SK audit and reflective log and deliver a presentation about their internship to school and university colleagues.

Interns will receive follow-up support from Ripley TSA SCITT and will be able to remain in contact with their mentor. They will be invited to future SCITT marketing events and encouraged to make an early ITT application. If applying for Ripley SCITT places they will be guaranteed an interview, but all interns will receive support for completing their UCAS application no matter which route they choose. Ripley TSA SCITT will be able to provide a reference for ITT applications and support for the Professional Skills Tests alongside advice on Subject Knowledge Enhancement programmes.

Timescales:

Activity	Key milestone/delivery date
Application deadline	End of March 2018
Interviews at Ripley	April 2018
Orientation Day at Ripley	May 2018
Programme delivery 4 weeks	June - July 2018

Completing your application:

Please complete the details below to tell us about your subject details and why you want to do this programme. We are looking for:

- A genuine interest in a career in teaching
- Why you wish to participate in this programme
- Enthusiasm for promoting STEM subjects in schools
- Basic entry requirements for ITT courses (GCSE Maths and English or equivalent at grade C or above)
- Good standard of written English

Your data: we will only ask you for information which is needed by us to assess your application and enable us to contact you about it. This application form will only be shared with the assessment panel.

Please be advised that once you apply and if offered a place, we will need to monitor your attendance and the impact of the programme on your future career decision, especially whether or not you apply for an ITT programme in future. This is a requirement of us running the programme as specified by the Department for Education and is part of the arrangement for payment of funding.

Please return your completed application form to:

Julie Bostock
Director of Teaching School
Ripley St Thomas CE Academy
bostockj@ripley.lancs.sch.uk

Paid STEM Internships Application Form

Full name:	
Title of your degree course:	
University:	
Degree start date:	
Degree end date:	

GCSE subject	Grades achieved
Mathematics	
English	
Science	

University email address	
Personal email address	
Mobile number	
City/town of residence during June-July 2016	

Please tell us what you might like to do as your **individual project** while in school. You will be asked to tell us more about this at the interview

Personal statement:

Please describe below your reasons for wanting to do this internship, why you might be interested in a career in teaching and how important you think STEM subjects are in school