



Science Subject Lead Information for Applicants

At XP Trust, we deliver our curriculum predominantly through cross disciplinary learning expeditions. These are standards based projects that are specifically designed to make connections between subjects and encourage deep and purposeful learning experiences. Expeditions are tightly structured through careful mapping of standards, skills and content and designed by teachers to ensure that all students:

- make better than expected academic progress;
- produce beautiful work and through this are agents for positively improving themselves, their community and the wider world;
- grow their characters in readiness for the challenges presented by the world;

As such, we are responsible for designing a curriculum that goes beyond narrow constraints and allows our students to build a sense of community in themselves; that develop the habits and skills they require to lead their own learning; and that encourages activism in our students so that they change themselves, their peers and the world for the better; and is founded on equity of opportunity, creating a powerful narrative that is rich and memorable.

Science at XP is predominantly taught through learning expeditions. Through engaging fieldwork, the use of experts and the creation of authentic products we ensure social equity.

Furthermore, the acquisition of powerful scientific knowledge allows our students to grapple with complex and challenging problems, interpret meaning from evidence and then transfer this knowledge and understanding to their own learning so that they can change the world for the better. In addition, this approach allows students to make connections between subjects and understand the relationship of Science to the wider curriculum so that their learning is deepened and consolidated.

For example, In their learning expeditions students at XP have worked with Torne Catchment to install a [SUDS](#) in the school grounds to solve an issue with flooding; they have created a [field guide to Potteric Carr](#) - our local nature reserve; they have campaigned for planting of wildflower areas to provide habitats for [bees](#); they have



made informative posters for adults and children about how to stay healthy for the NHS; they have published booklets detailing the [chemistry of viking artefacts](#) for the Jorvik festival; they have hosted evenings where they have cooked for visitors and made [animations](#) to show the physical and chemical changes at play; they have created model wind turbines with [optimal blade design](#); they have modelled and built [bridges](#) that could hold their entire class and these are just some of the examples of science work completed by our students that has made a difference to the world.

In conclusion, through their study of Science as part of learning expeditions, students achieve highly, grow their characters and that enables them to become positive agents for social change in their local, wider and global community.

“Every day, for one reason or another, it is confirmed that XP is something immensely special and that I am part of a team that has embarked on a very special project that will change the future lives of children and send waves across education in the UK”,
Gemma Vayro, Teacher of Humanities, XP.

Some of the books students have written include:

- What Makes a Successful Community?
- Grand Designs – A Field Guide for Potteric Carr – a local Nature Reserve
- What does the community of Doncaster owe to the Miners?
- What does the community of Doncaster owe to the Railways?
- What legacy was forged by the Vikings?
- Poetry Anthologies

In order to grow student character we insist that students acquire knowledge and skills that are then shared with authentic audiences. As such oracy is a predominant aspect of our curriculum. Examples of where students use speaking as part of their development are:

- Presentations of Learning (at the culmination of all learning expeditions)
- Community meetings (students articulate appreciations, apologies and stands)
- Participation in Poetry Slams
- Ambassador Tours of the school (all students)
- Student Led Conferences
- Passage Presentations
- Final Word



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The successful candidate would work with an enthusiastic and experienced team who are receptive and open to new ideas, enable the creation of beautiful products and ensure academic success for our students.

We look forward to receiving your application.

Useful links and wider reading:

Every learning expedition has purposeful fieldwork that links to learning back in the classroom. (Hatfield Moors Nature Reserve, Balby Church, Mam Tor, First day of Y7: outward bound in Wales, 'Local architecture', Frenchgate survey, Hyde Park cemetery, National Railway museum, Advanced manufacturing park, 'University of Leeds', 'Conversation Club', Jodrell Bank, 'National memorial arboretum',

Every learning expedition uses experts to support, strengthen and provide authenticity to the learning process for students (Macbeth, WW1 munitions expert, Architect, Tapton 6th form, Graffiti expert,)

Every learning expedition has a product that connects to, and impacts positively on the world. (#StandUpDoncaster, Should I stay or should I go documentary, published books, Romeo & Juliet student performance, 'NHS Diabetes UK',

Every expedition has a Presentation of Learning where students publicly share and celebrate their work with a wider audience: 'Making My Mind Up', 'A Place Of Our Own', 'Remembrance Day Service', 'Society, Steam and Speed book launch', 'Human Machine', 'Poetry Slam', 'Viking Art Gallery', 'How can maths and science save a life?', 'Chefistry', 'High Voltage',

- Principal's Blog
- XP Crew blogs
- XP East Crew blogs
- Expedition websites
- XP OFSTED report

Salary is negotiable, depending on capability and experience.

If you are interested please apply using the link below:

<http://xptrust.org/vacancies/>

Position: Science subject leader

Pay Scale : MPS/UPS/Leadership scale



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Deadline for Applications: Friday 30.04.21

Potential Interview Dates: Friday 06.05.21

Start Date: 31st August 2021 (or sooner if possible)

Temporary or Permanent Position: Permanent

We encourage visits to XP should you be available to see our school.

Send your application or any questions you may have to vacancies@xptrust.org

Application Form