

## EXPERTEDLIVE

**Aim:** To create a partnership of partnerships whereby speakers and resources are shared with local area partnerships across the country in order to give as many children as possible a richer and broader educational experience than they would otherwise have access to.

Patron: Professor Lord Robert Winston

Founding Supporters: Imperial College London, Swansea University, The OPEN Learning Partnership and other independent and maintained sector schools.

- **Highlight Speakers**

People who have done amazing things and who are capable of inspiring young people.

- **Engineering After School Club**

Supporting the curriculum with exciting content beyond the capability of individual schools.

- **Careers in the Classroom**

Bringing people from different careers to the classroom, appealing to children on both an academic and on a vocational trajectory.

- **ExpertEd Family**

Offering parents and children the opportunity to learn together from home in our 'Midweek Maths', 'Summer Science' series.



## SCITT

**Aim:** To make a difference to the national teaching profession through a joint independent and maintained sector training initiative, whilst sharing expertise with teachers across partner schools.

The OPEN LP schools have been involved in teacher training for the National Modern Languages SCITT (School-Centred Teacher Training) since 2017 and training graduates and career changers as part of the National Maths and Physics SCITT since 2020, with a hub at Oundle School. Trainees teach on two placements across our partner schools; one independent and one maintained.



**“The OPEN Learning Partnership is a great example of how local schools from a variety of contexts have come together to provide opportunities for students that an individual school would not be able to provide for them on its own. It is very much an idea of “the whole is greater than the sum of its parts”.**

Mr. Kim Homard-Roy, Prince William School, Chair of OPEN LP 2023-24

## TERTIARY COLLABORATION

**Aim:** To create connections with tertiary level institutions, enabling us to draw in additional expertise which can benefit all OPEN Learning Partner schools.

### Imperial College London



The development of our relationship with the College, one of the UK's top universities and a world leader in tertiary education, has been instrumental in expanding our reach and expertise.

- **STEM Potential**

Our version of Imperial's flagship outreach programme supporting pupils in Years 10-13 with the potential to enter high tariff tertiary level STEM courses. Priority is given to those from backgrounds statistically least likely to do so.

- **Imperial College London Outreach Fellows**

Two recent graduates, employed by Oundle School, who teach STEM lessons and After-School Science Clubs in Partnership schools.

- **Planetarium**

The College's Planetarium is a highlight of the Science Festival each July and is currently on loan to the OPEN LP to share with a wider audience year round.

- **STEM Roadshows**

A series of term-time roadshows, held in both independent and maintained schools, for Years 4-9 to inspire interest in STEM.

### Swansea University



Pupils benefit from the OPEN Learning Partnership link with Swansea's Engineering Faculty.

- Visits by Dr Ben Evans, Chief Aerodynamicist for the Bloodhound World Land Speed Record attempt.

- Regular presentations by the Swansea Engineering team for 6th Form Lectures, ExpertEdLive and other events.

- Visits by the Swansea Formula Student team and their race car simulator.

- 2022 will see the first Engineering Summer School at the Patrick Engineering Centre, led by Dr Evans and his team.

## LOCAL AREA

**Aim:** To increase opportunity, raise aspirations and allow the sharing of best practice between local schools from both the independent and maintained sector.

In 2018 the Oundle, Peterborough and East Northants (OPEN) Learning Partnership was founded. It includes Kettering Buccleuch Academy, Laxton Junior School, Oundle CE Primary School, Oundle School, Prince William School and Thomas Deacon Academy as well as Imperial College London.

- **VR Headsets**

Purchased by partner schools and matched DfE Funding, these are used by around 2000 children each year, supporting curriculum delivery in 15 schools.

- **Bloodhound STEM Challenge**

An annual initiative hosted by Kettering Buccleuch Academy for Year 7 pupils from KBA and Oundle School.

- **Family Science Saturdays**

Hosted by OPEN schools, and delivered by teachers from the partnership, these events see parents and their children learning together. Some specifically PP targeted.

- **Forest School Day**

Hosted by Oundle CE Primary School for KS1 children.

- **Physics Teacher Training**

A programme of CPD for non-specialists (or lone workers) trained teachers for GCSE and A level Physics from all OPEN secondary schools.

- **Greenpower Engineering Project**

A collaboration between Oundle School, Prince William School, Laxton Junior School and Oundle CE Primary School with pupils building an electric vehicle and competing in the Greenpower competition.

- **Step into STEM**

A short course of 5 lessons covering core skills and topics in the Science NC for Year 5 pupils from 9 schools.

- **Mathematics Enrichment:**

3 conferences each year for 100+ children, with CPD for staff, delivered by partnership teachers.

- **Ogden Trust Science Partnership**

Using OPEN LP expertise to support STEM opportunities in 10 primary schools

- **Careers and university preparation**

Regular events, as well as specific Medicine and Oxbridge interview preparation for UCAS applications.

- **Community Science Talks**

Monthly presentations from visiting speakers on a wide range of STEM topics

- **Cyber Girls**

Inspiring Girls in Years 8&9 to consider careers in technology and cyber security through activities led by major UK companies.

- **Continuing Professional Development**

Opportunities include training seminars and lesson observations across schools.

### Summer STEM Festival

Each OPEN LP secondary schools at least one member of staff to deliver content, reaching over 20 schools and 3500 children each year.

- STEM day visits and residentials for 400+ children

- STEM Potential summer school

- Series of STEM stage shows including the Royal Institution

- Roving STEM shows visiting schools across the region