SEPnet & Opening Doors

Working together to deliver excellence in Physics
Major learning points from Opening Doors:

• Subject Equity (Relative difficulty / Hard work vs innate ability)
• Careers Guidance (Parental engagement)
• Student Ownership
• Training (Gender awareness & Unconscious Bias)
Implementing good practice at three different levels:

• Strategic Level

• General Programmes (carried out by all SEPnet partners)

• Specific Projects (smaller projects done by a few partners)
Strategic Implementation

Outreach Programme

High profile universities engaging the wider community with physics and inspiring future physicists.

The core programme will deliver activities which communicate the following messages across the region, with particular focus on students in Key Stage 3 and 4:

1. Anyone can do physics.
2. Physics is exciting, relevant & important; it goes beyond the classroom.
3. Studying physics further broadens career possibilities.
Projects

Outreach

Public Engagement

Strengthening The Core
Physics: It’s For Me
Teacher Support
Developing Primary

High profile universities engaging the wider community with physics and inspiring future physicists.

SEPnet Impact Group
Festivals

Research In Schools

Working together to deliver excellence in Physics
Projects

**Physics It’s For Me**

Pilot project for 2016 / 17.

Targeting KS3 students, specifically Year 8/9.

Project aims to:

*Raise awareness of Opening Doors and gender stereotyping in partner schools.*
Projects

Each officer will sign schools up to two schools for the pilot programme. Direct engagement with Headteacher & Head of Science.

Over the year deliver:
• Briefing to all teachers
• Workshops based on Science: It’s a People Thing & WISE Workshop
• Career evening variety of physics graduates

Who will deliver?
Projects

Physics It’s For Me

Identify 6th form college and run WISE workshop

Enlist 2/3 A-Level students

Year 12’s will help run the WISE workshop and Careers evening to KS3.

Year 12 will then run project with KS3 looking at gender stereotyping in their school and create a poster / give talk / run discussion in their year group.

SEPnet wide Year 12 conference
Projects

Still early stages and developing plan & content!

Need to determine SMART objectives and an evaluation plan. (Before Christmas)

Run past our Teacher Advisory Panel (By Easter next year)

Trial workshops and sign up schools (Over summer term)

Launch Autumn terms next year.
Projects

Physics It’s For Me

Have an external evaluator monitor attitudes to gender stereotyping in the school and classes we are working with.

Any comments or advice would be helpful!

Also if you’d like to take part in the pilot, do let me know.
Projects

Strengthening The Core

Design new workshops for KS3 and rework out KS4 workshops to focus on three messages in our Outreach Aims.

• Developed in 2015 / 16

• Rolled out in 2016 / 17 across SEPnet
Projects

Still deciding how best to proceed. Teacher support, resources or delivery?

• Research in 2015 / 16

• Pilot project in 2016 / 17
Projects

Teacher Support

Looking at how best to support teachers at a regional level. This will include championing *Opening Doors*.

- Consulting with SEPnet Teacher’s Panel, Science Learning Centres and IOP over early 2016.