

Building STEM Capital in the Early Years: New College Lanarkshire

Partners

New College Lanarkshire, North Lanarkshire Council, South Lanarkshire Council, East Dunbartonshire Council, Developing the Young Workforce.

Focus

A partnership approach which utilises students as ambassadors to promote and inspire interest in STEM in nursery pupils and their families.

Success factors

- Regional STEM Partnership supporting STEM in Early Years across the education pipeline
- Inspiring STEM in the early years' curriculum
- Creating a pipeline for STEM talent in the workforce
- Early Years students as college ambassadors for STEM

- Addressing STEM poverty / Improving Science Capital
- Tackling gender imbalances in STEM By introducing and raising awareness of STEM careers to 3 years plus, removing barriers of typical gender assigned roles (Scottish Government Strategy for Gender Equality)
- Connecting with families
- Sustainable, ambition to roll out nationally

“Our aim is to create opportunities for anyone in the education sector to become involved and to know that they have a resource in the Lanarkshire region they can turn to. Our ambition in Lanarkshire is to introduce STEM at as early an age as possible, to expose learners of all ages to STEM activities and create a STEM mind-set throughout the education pipeline.”

Clare Flynn, Head of Faculty of Care and Science



Impact



“We need to ensure that we build on every generation’s ‘Science Capital’, from the youngest learner to the eldest, to ensure that in Lanarkshire we bridge the gap in the STEM labour market.”

Derek Steven, Curriculum and Quality Leader for Science

Approximately 60 students in this pilot stage at SCQF Level 6 over 3 campuses are involved.

Moving forward:

- Local roll out and ambitions for a national roll out
- Influencing course design at SCQF Levels 4 and 5 with Introduction to STEM in Early Years aligned with outdoor learning and Forest Schools initiative.
- Professional Learning opportunities for staff across the pipeline supported by Regional STEM Partnership



www.cdn.ac.uk/school-college-partnership-report-co-creating-learner-journey