

STEM Nation Award action plan

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| Name of setting | Balmalloch Primary School |
| SEED / CS number | 8358427 |

| Staff involved | Key stakeholders |
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| John Paterson Ruth McCarthy Hannah McCarthy Coral McNeil | Staff, pupils, families, Cluster Schools. |

| Our current strengths |
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| <ul style="list-style-type: none"> STEM Learning – STEM Learning experiences are part of our weekly school routine and supported with a STEM Week organised and run by our Young STEM Leaders. Employability & STEM Partnership working – We have a very successful Developing the Young Workforce committee who have provided opportunities for pupils to engage with STEM careers and employability skills. STEM Curriculum – We have clear STEM Planners and Overviews to ensure breadth, depth and challenge to support teaching staff in their learning, teaching and assessment. |

| Start date | Progress review date | Completion date |
|----------------------|-----------------------------|------------------------|
| Start of Term 4 2024 | End of Term 2 2025 | End of Term 4 2025 |

| Successful outcomes <i>What impact do we want to achieve?</i> | Evidence and evaluation <i>How will we gather evidence of impact?</i> |
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| <ul style="list-style-type: none"> Providing more STEM Family Learning Opportunities. Improved P7 to S1 Transition in relation to STEM Learning experiences. Develop the teaching, learning and assessment of Science across all levels and stages. A clear and coherent STEM skills progression framework. | <ul style="list-style-type: none"> Survey of families involved. Survey of P7 pupils. Self-evaluation from teaching staff and pupils from HGIOS 4 and STEM Self-Evaluation. Evaluate and review framework created. |
| Challenges <i>What might hinder success?</i> | Solutions <i>How can we overcome these challenges?</i> |
| <ul style="list-style-type: none"> Lack of interest in STEM Family Learning Opportunities. A packed P7 Transition programme already established and time for opportunities. Turnover of staff and funding for staff development. | <ul style="list-style-type: none"> Show possibilities and opportunities through social media and newsletter led by pupils and be present at Parent Evening to gauge interest. A Cluster based approach to offering P7 – S1 STEM opportunities. Creating STEM Leaders throughout our permanent staff team to support peers and source grants for staff development. |

Resources and staff development needs *What will we need to support this?*

- Support from NLC CLD service for family learning opportunities.
- Holding lets in school.
- Resources for family learning and P7 transition opportunities.
- Potential cover for staff to engage with development needs.
- STEM Pedagogy Officer from NLC.

Sharing learning and supporting others

How will we share our learning with others in our learning community / authority / region / country?

- Through the School Twitter and School Young STEM Leader Twitter.
- Through our school Monthly Newsletter.
- HT to share information and learning at Cluster meetings and offer opportunities for Cluster schools to engage with our school.

RACI Who is Responsible, Accountable, Consulted and Informed?

| Breakdown of tasks | Staff and stakeholders | By when? |
|---|---|--------------------|
| <i>e.g. Set up calendar of meetings for STEM working group.</i> | <i>Anne Example – Principal Teacher (R & A) Working group members (R, A, C) All staff (I)</i> | <i>August 2021</i> |
| Calendar of Family Learning opportunities. | John – Class Teacher (R&A), Ruth – Head Teacher (C&I), Coral – YSL Teacher (C&I), Teachers (C&I). | August 2024 |
| Meeting with Kilsyth Academy Science Department. | Ruth and John (R,A,C,I), Kilsyth Academy PT (C&I). | December 2024 |
| Plan of P7 – S1 STEM Transition events. | John and Kilsyth Academy PT (R&A), Pupils (C). | January 2025 |
| Provide opportunities for Family Learning. | John and Coral (R&A), Young STEM Leaders and Digital Leaders (R,C,I), Families (I). | September 2024 |
| Provide P7 transition opportunities. | John & Kilsyth Academy PT (R,A,C), Pupils (C), Cluster (C&I). | February 2025 |
| Staff Survey | John (R&A), Ruth (C), Teaching Staff (I). | August 2024 |
| Provision of training and calendar of professional learning. | John (R&A). | October 2024 |
| Monthly Newsletter | John (R&A), Families (I). | June 2025 |
| STEM Leaders in Staff Team. | Ruth, John, Coral and Hannah – Class Teacher (R&A), Staff (C&I). | September 2024 |

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| Parent Survey. | John and Ruth (R&A), Coral and Hannah (C&I), Families (C&I). | June 2025 |
| Pupil Survey | John and Ruth (R&A), Coral and Hannah (C&I), Pupils (C&I). | June 2025 |
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