

What I liked best was making the Sprite move

Interim Report
Children's STEM Survey Year 1
Scottish Out of School Care Network
March 2019

Headline Results

A **Big Thank You** to all the children who helped us last year by filling in over 430 surveys about Science, Technology, Engineering and Maths (STEM).

With help from 2 colleges we trained staff in some out of school care services in how to do fun STEM activities with you in creative computing and science.

Making games with the Raspberry Pi, or fingerprinting science and coding games like minecraft. Most of the staff and children in the first year were from services in Glasgow.

We asked children to fill in a survey of five questions before, then five questions after learning the new STEM activity. We asked another 2 questions afterwards.

Nine out of ten children who took part want to do more fun STEM activities.

This is about the same for boys and girls.

More than eight out of ten children who took part said they learned new skills doing the STEM activities.

This is just over eight out of ten boys and nearly nine out of ten girls.

Before the activity, most children, 303 (70%), felt confident in doing STEM activities.

After doing the activities, this increased to 360 (83%) children. There was not much difference between boys and girls.

We wanted older children (8+) to take part as we know sometimes they want new and exciting activities in out of school care.

Over three-quarters, 330, were aged 8 or over, but plenty of young children also enjoyed the activities!

We wanted to get more women and girls involved in STEM and we did!

More than four fifths of the staff were women.

222 results were from girls, and 211 from boys. Sometimes girls are less likely to take part in STEM activities, but over half of those taking part were girls (51%), so this is a good result.

Before the STEM activity, nearly two thirds (62%) of children agreed they know what STEM means.

After learning about STEM, this increased to 84%.

For girls, this was a big increase from 133 (60%) to 188 (85%).

For boys, this went from 136 (65%) to 177 (84%).

When asked how confident they would be in showing someone else how to do a STEM activity, children were a bit less sure before the activity.

Before the activity, just over half, 248 (56%) of the children agreed they would feel confident showing others how to do a STEM activity.

After the activity, this increased to nearly three quarters, 311 (72%).

For girls, this was an increase from 131 (59%) to 163 (73%).

For boys, this was an increase from 117 (56%) to 148 (71%).



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