

Developing an Early Years STEM Network Together

April 2022





Introductions



Hi I am Maria and I am part of the Forth Valley and West Lothian Numeracy Workstream.

Hi I am Fiona and I am part of the Forth Valley and West Lothian STEM Workstream.





Hi I am Nicola and I am part of the Forth Valley and West Lothian STEM Workstream. Hi I am Mairi and I am part of the Forth Valley and West Lothian STEM Workstream.





equity

Our RIC values

empowerment

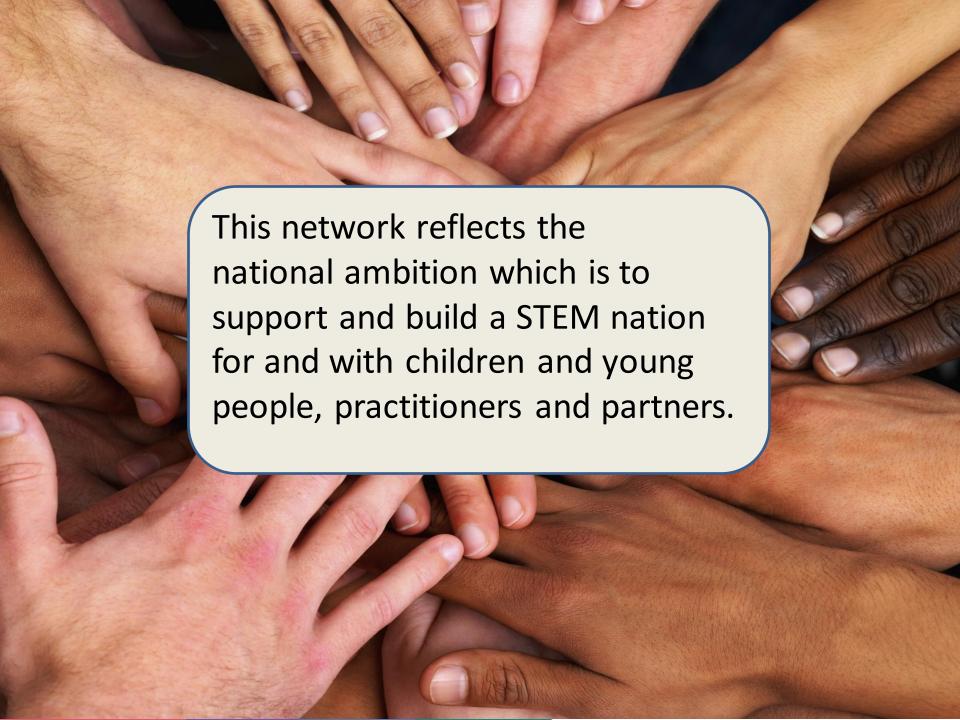
collaboration



Protocols

- Work and learn together
- Safe space
- Everyone has something to offer









Numeracy and Mathematics - Rationale

The curriculum needs constant review to ensure it is **relevant**, capturing **real-world** N&M, leading to increased motivation...

Greater **consistency** in the quality of learning and teaching, eliminating passive learning...



Explore further the potential of **STEM** and DYW to **add value** to children's experiences in N&M.



the role of **play settings** as contexts for learning in numeracy.





Shaped by need

Ideas for simple

experiences

within a play

based setting

where to

resourses,

a network

of support

find

ideas

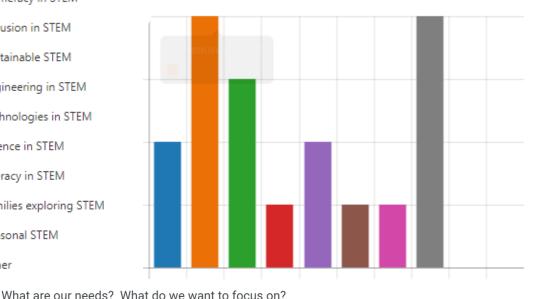
stem

- Numeracy in STEM
- Inclusion in STEM
- Sustainable STEM
- Engineering in STEM
- Technologies in STEM
- Science in STEM
- Literacy in STEM
- Families exploring STEM

Practical

ideas

- Seasonal STEM
- Other



How frequently do we want to meet? What times of day suit?

Evenings work for myself, online works well with family and being able to access details afterwards allows me to go back and take in details better.

Termly after 4pm

Evenings

Quarterly would

share ideas and

then go away with time to put things

into practice before we meet again

works best and online is working well

Evenings are best, maybe 4 rather than 5 © Mid term tim

evenings around 5pm suits best for working patterns

after 4pm and termly please

What format should our sessions take?

opportunities to share ideas and activities that have worked

opportunities to share ideas and develop ideas and experiences

opportunity share experiences that have been carried out in setting

settings to see their ideas in practice once Covid restrictions allow

I think it is better

network face to

when everyone can

face. Visiting other

share our ideas with others. Teamwork makes the dream work!

What areas of STEM do you want to explore?

how to explore the engineering I LOVE technology and would love to share my love with the children in my setting, it's just finding out how

The science side and ideas to use.

Technology - ideas on how to move away from the 'obvious' technology activities / resources.

How to implement Gender Friendly ideas into everyday

family links and bringing parents on board looking for ideas

sharing practice and ideas with others sharing with team Sharing ideas on how to embed STEM

Sharing

practice

and ideas.

practice into every

day (busy!) life in the nursery!

links to recourses are great

To work in

collaboration

with others in a similar stage/position

New to STEM, newly qualified so simple ideas that I can share with others.

ideas and

places to

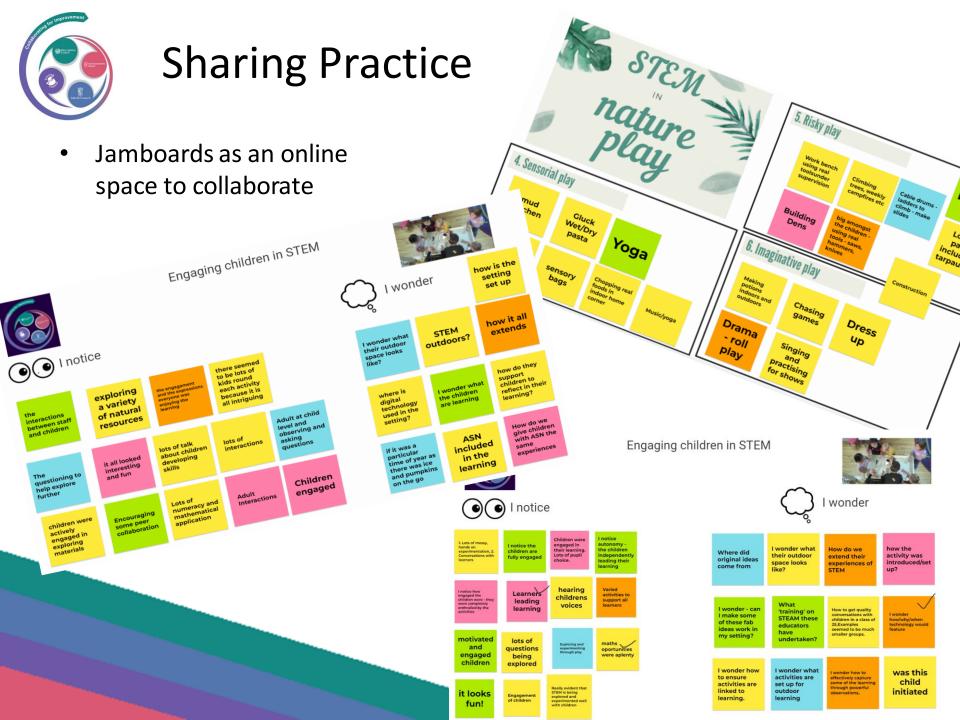
source

suitable

materials for

opportunities

side of STEM?





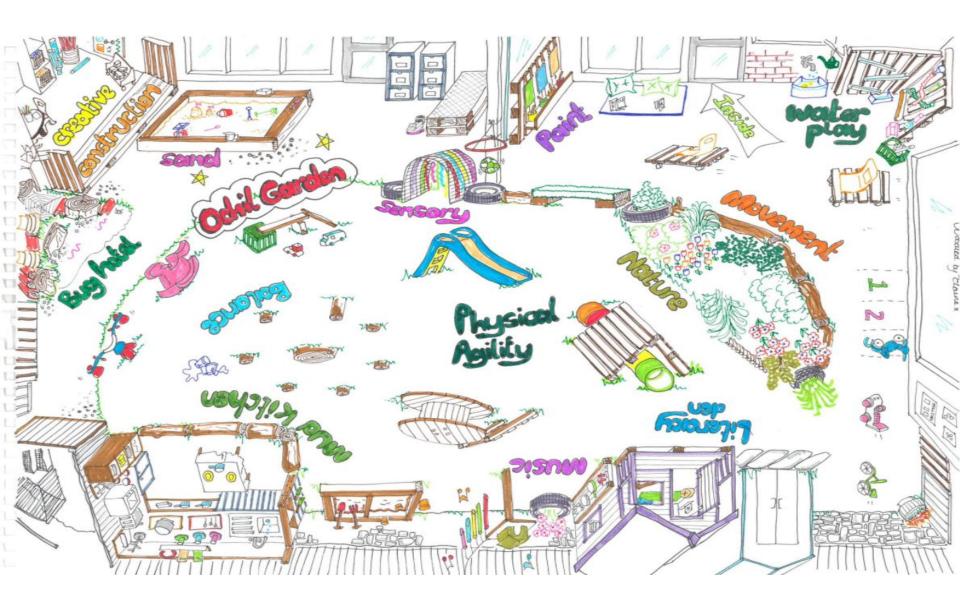
Sharing Practice



- Wakelet to capture sessions, share resources and links
- <u>Thinglink</u> created from feedback to support practice
- Sway created by a practitioner to share impact on practice



Sketchnotes created by a setting to evaluate learning environments and share with families



Sharing Practice

WL Application of skills project

Education Scotland STEM grant

2 Development officers working in

2 targeted clusters across West Lothian











Made me think about
What we observe and
children using natural
resources

The links to other websites

for training was very useful

for training was were thought

and the videos were thought

provoking.

very informative session

The resources and good practice that was shared will help us to improve our approaches to providing quality STEM opportunities in our school as one of our improvement priorities.

Feedback

I found the videos we watched useful and the information that was shared.

I extended my learning of STEM through play in the early years.

I will provide more opportunities for STEM in my setting Excited for the journey

Very clear and great information

Enjoy these courses to stay up to date.

I am looking forward to another session.

Lots of good ideas to take away and try. The direction to the blog and the list of resources available is really Valuable.



Shaping Next Steps

 How might you become involved in and support the network?

Please take a few moments to complete this E-Form

https://forms.office.com/r/Et7ZazAiBc

