



STEM and V2

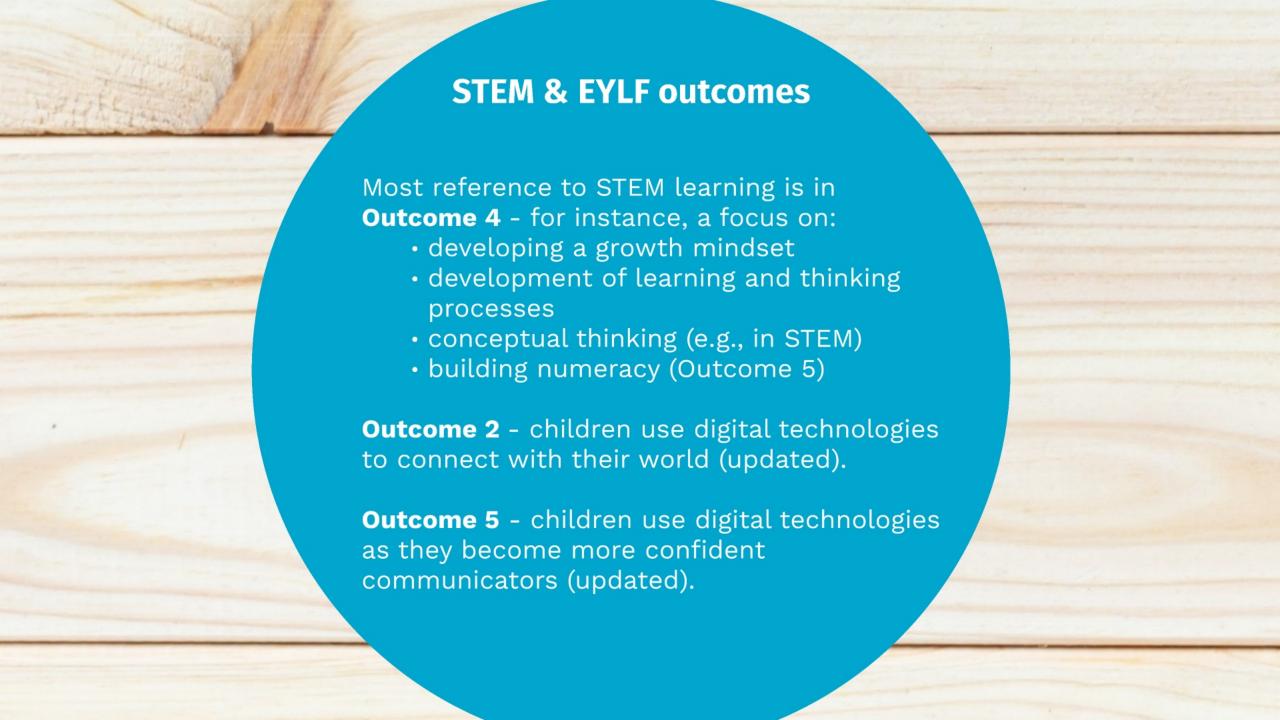
Here are some of the major changes in EYLF-V2 that relate to STEM:

- Sustainability
- Emphasis on dispositions which we refer to as STEM Ideas, Methods and Values
- Multimodal play included in our ERA pedagogical approach
- Types of assessment
- Focus on conceptual thinking in maths and science
- Indigenous perspectives

A key addition is strenthening the relationship between PBL and intentionality, which we will discuss later.

Outcomes

'I Can' Statements





STEM and V2

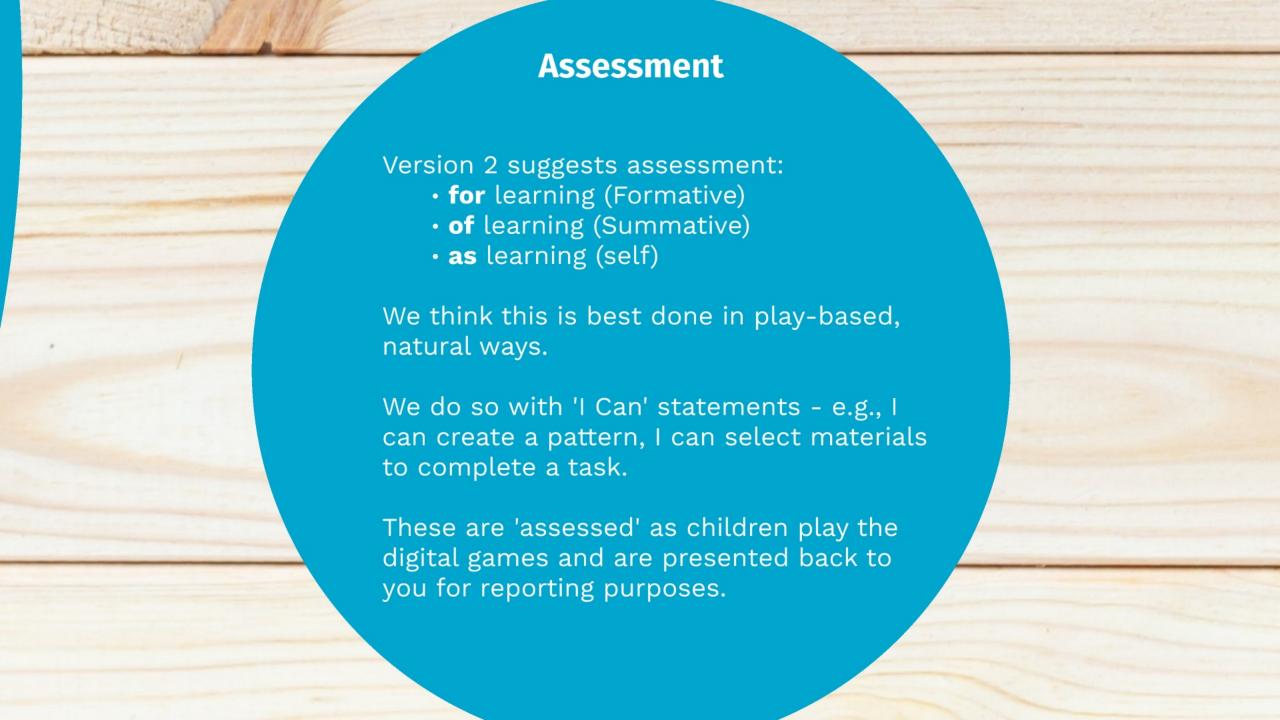
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Intentional Teaching

What is intentional teaching?

There is a focus in the new EYLF on the intentional role of both the children and their educators to engage, extend, and enrich learning.

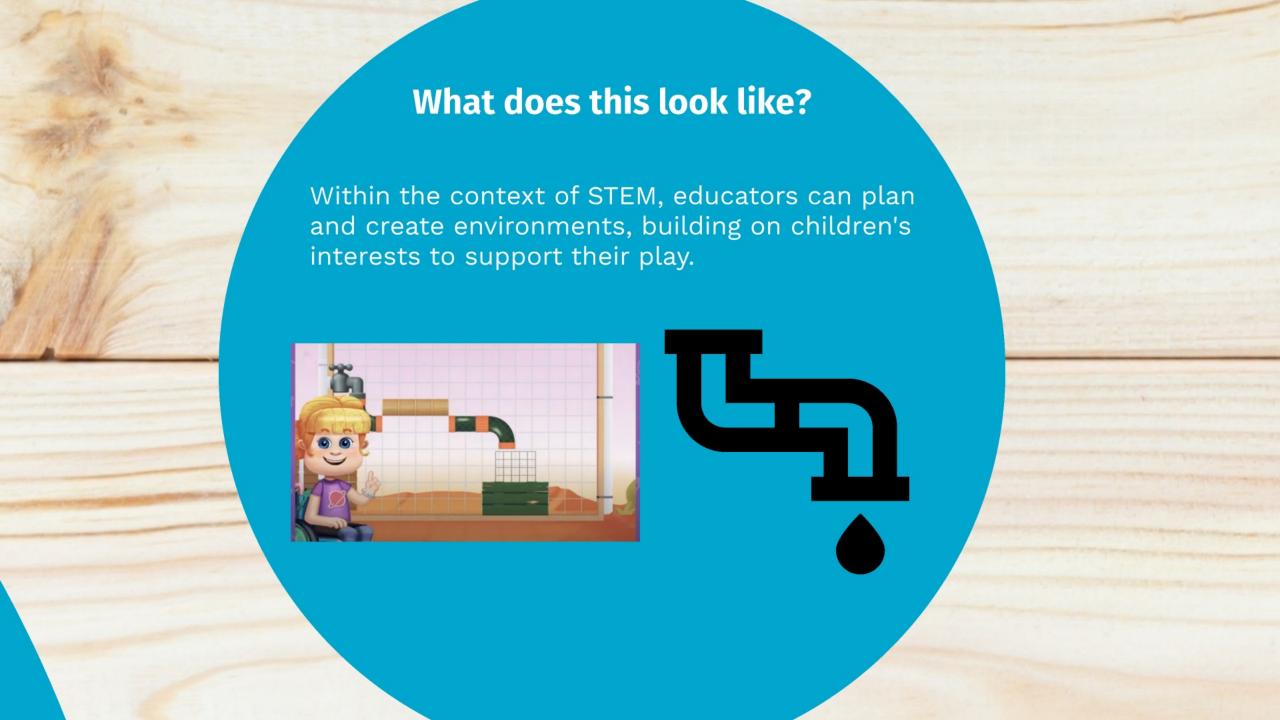
In the new EYLF you are encouraged, in all aspects of your work, to act deliberately, thoughtfully, and purposefully to support children's learning through play.

This means you are encouraged to take an active role in planning and practice (as well as still being spontaneous as opportunities arise).

We will suggest our approach to intentionality later in this presentation.

What does this look like?

More ideas for STEM





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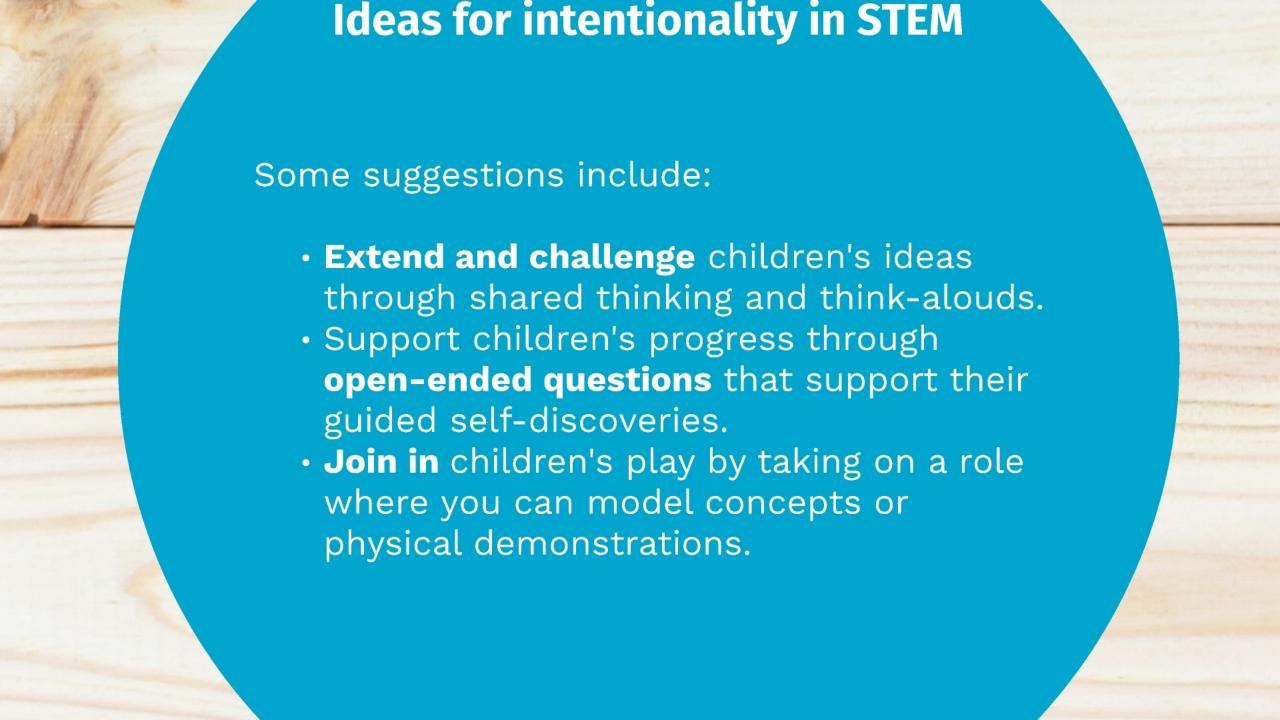
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ERA - A play-based, intentional approach

We suggest, in our work with educators, our ERA approach:

Experience (E) - build on what children already know using familiar language to develop concepts (off app).

Represent (R) - children represent their learning using digital tools (on app).

Apply (A) - children transfer their learning to a new context.

Example of ERA in action

Educator role in ERA



Experience... establish foundation pattern concepts (e.g., children find, copy and extend patterns using familiar shapes - off-app).

Represent... children create patterns with preloaded (or their own) objects to decorate a cubby (on-app).

Apply... new patterning understanding in different contexts (e.g., children translate shape patterns into movement patterns).



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Example of ERA in action

Educator role in ERA

How the ERA can support your work

The ERA is a tool that can help you be more intentional in supporting children's play.

In this short video, Luke Carroll explains the ERA, and how it can help in your centre.

https://youtu.be/rWbMHoRJplE



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Example of ERA in action

Educator role in ERA



What would you like to know more about?

- From this presentation?
- In future presentations?
- About the ELSA team and what we do?



Thank you

Today we have spoken about connections between STEM and the updated EYLF (V2).

We hope we've shown you new ways to be more intentional in your STEM teaching.

We hope to see you online again for future presentations.

As a new "Storypark Grandad" - thanks for all you do for our precious young children.

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