



Preschool Prospectus 2022



Overview of the ELSA Program



Early Learning STEM Australia (ELSA) is a play-based digital learning program for children in preschool to explore science, technology, engineering and mathematics (STEM). ELSA encourages children to play, experiment and make sense of the world around them – which is part of STEM, and also part of being a child. ELSA's STEM Practices encourage children to ask questions, make predictions, experiment, and reflect on what happened and why.

Learning Program

Educators will receive a detailed learning program that supports the implementation of the ELSA Program in a conceptually and pedagogically appropriate way. The engaging program has been developed by our team of pedagogy experts. It contains suggested learning experiences as part of our Experience, Represent, Apply (ERA) framework and aligns with the EYLF.

Educator Professional Learning

Educator Professional Learning (PL) is a cornerstone of the ELSA Program and is provided asynchronously online via our learning portal. Educators can work through the PL at their own pace at a time that suits them. Our PL also supports educators in using the innovative technologies that are part of the program.

Digital Apps

The ELSA apps allow children to direct their own play while building capacity in spatial and logical reasoning in STEM. Children can also create their own content, enabling children to be 'creators' not 'consumers' of digital content.

STEM resources

The ELSA Program includes STEM resources such as picture books, board games, card games and augmented reality cards for use in your centre.

Preschool Program

The ELSA Program is designed to run over Terms 2, 3 and 4 of the preschool year. All 16 children's apps (in 4 bundles) are available for you to use over the whole year.

The ELSA apps are innovative, play-based and fun for children. While only one part of the wider program, the ELSA apps offer a way for children to use technologies for learning and communication as they build positive dispositions towards learning.

The 16 children's apps (grouped in four pedagogical app bundles), incorporate a number of foundational STEM concepts with a focus on spatial reasoning and logical reasoning, and support children to explore literacy and numeracy in personally meaningful ways.

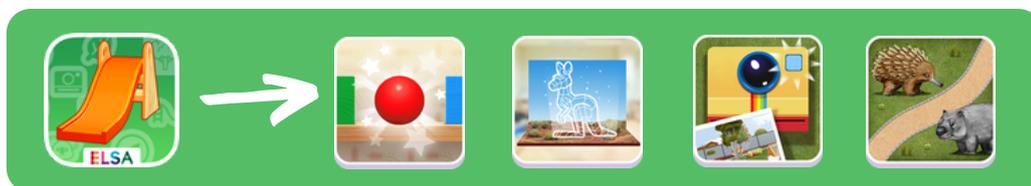
Patterns and Relationships - App bundle 1



Patterns and relationships are valuable topics for children to explore, as it helps them understand their world. Exploring relationships between objects gives children new ways to consider relationships between people. In ELSA's Patterns and Relationships app bundle, children engage with STEM Practices while ordering a story, sorting food, patterning with colourful animals and objects, and representing a dance with symbols.

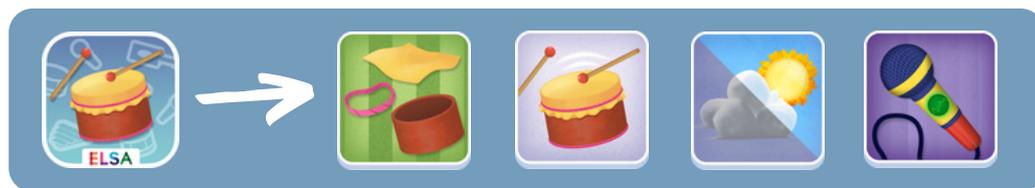


Location and Arrangement - App bundle 2



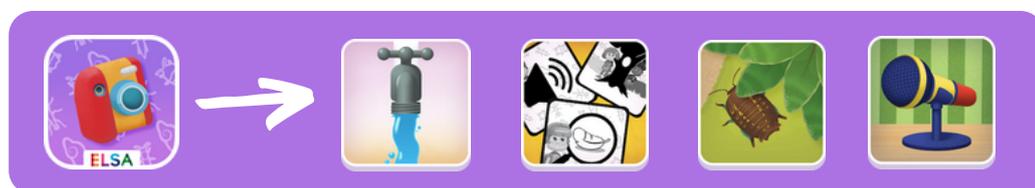
Location and arrangement are natural concepts for children as they engage with their world. Children relish opportunities to experience, observe and describe positions, directions, people, places and things. In the ELSA Location and Arrangement app bundle, children engage with STEM Practices while moving objects and using positional language, hiding and finding animated animal cards, arranging playground equipment on a map, and following directions to navigate through a zoo.

Representations - App bundle 3



Representations provide powerful ways for children to express their understandings using language, pictures and symbols. Exploring how objects can be represented gives children new insights into how others' view the world and communicate these views. In the ELSA Representations app bundle, children engage with STEM Practices while making musical instruments, playing music in a band, creating and recording sounds for their musical instruments, and helping choose the right clothes to match the weather.

Investigations - App bundle 4



Young children are born investigators. They poke and prod whatever they discover, and they delight in learning new skills and developing new understandings about their world. Investigations help children develop inquiry skills while supporting their natural curiosity. In the ELSA Investigations app bundle, children engage with STEM Practices while building pipes to allow water to flow into a veggie patch, matching evidence to a particular animal, using tools to find hidden insects, and creating their own evidence for use in the app.

ELSA Educator app

The Educator app acts as a hub for educators to monitor children's activity and provide rich resources for educators. The breakdown of these activities also includes which STEM Practices are being covered and how that activity relates to the EYLF. The educator app also features 100+ off-app activities to engage children in real-world play.



Educator app

ELSA Families' web-app

The Families web-app provides home-based activities that parents and guardians can do with children. These STEM activities support children's learning in the centre.



Families web-app



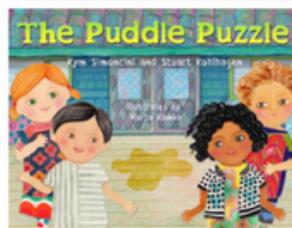
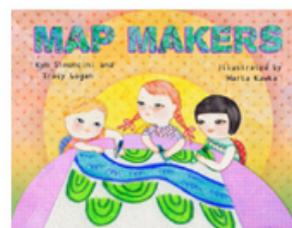
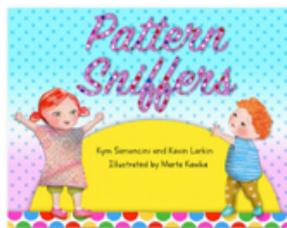
ELSA Kit

One ELSA Kit is included when you join ELSA (with a minimum of 10 children).

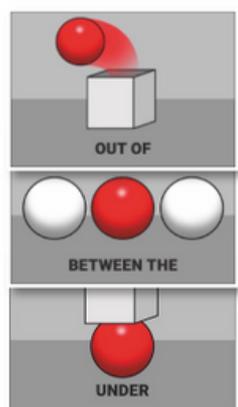
The ELSA kit contains:

- 4 children's picture books written specifically to align with the program - *Pattern Sniffers*, *Map Makers*, *The Treehouse*, and *The Puddle Puzzle*
- 4 children's board games and card games aligned with the program

4 Children's STEM books



4 Children's STEM games



Program Costs 2022

Cost per child* \$30 + GST

Extra ELSA Kits \$200 + GST

*includes program, apps and one ELSA Kit per class

What do I do now?

- Sign up to the program
- Get access to apps and professional learning
- Start using the program and resources —with the support of the ELSA Team!

Sign up to ELSA now!

Click [this link](#) or scan the QR code.

