



**PLAYMAKER AT
START SMALL DREAM BIG
(SSDB) 2020**

A group of young children are sitting on the floor, focused on playing with small electronic components and a breadboard. An adult's hand is visible on the left, pointing towards the components. The background is slightly blurred, showing other people in a room.

PLAYMAKER

**Inspire young children to play and make with technology,
sparking imagination and building creative confidence.**

PLAYMAKER

The **PlayMaker** programme introduces child-friendly, technology-enabled toys that teaches Computational Thinking, helps children explore and find creative solutions. Guided by adults, children will acquire abilities like logical thinking, sequencing and inventive thinking.

The tech toys also encourage children to collaborate in small groups to develop their social and communication skills.

We hope to inspire the next generation to become Creators of Technology, whereby they have the knowledge to use technology to create solutions for problems in the future.

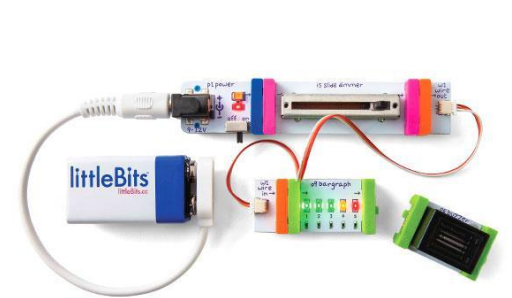
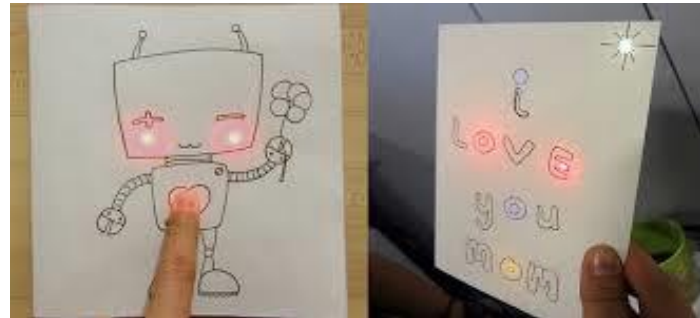


PLAYMAKER TOYS

We have curated different types of tech-enabled toys that are age-appropriate and developmentally-appropriate and categorized them into Robotics and Maker types. Most of them require little or no screen time.

Robotics tech toys promote Computational Thinking skills such as Decomposition, Pattern Recognition, Abstraction and Algorithm. Some examples include Bee-Bot, KIBO, Code-a-Pillar and Cubetto.

Maker tech toys teaches electronics, engineering and IOT concepts. Some examples include Circuit Stickers and littleBits.



PLAYMAKER LIBRARY

IMDA is setting up a PlayMaker library for pre-schools to borrow tech toys to support pre-school educators in the use of technology in the classroom.

Pre-schools can borrow the tech toys for a short period of time and use them during their lessons to introduce Computational Thinking to the pre-schoolers.

New and emerging tech toys that are suitable for the pre-schoolers will be continuously curated.

Look out for more information on our [website](#) in April 2020!



PLAYMAKER CERTIFICATION COURSE

IMDA has partnered with the Association for Early Childhood Educators (Singapore) (AECES) to develop a “**Tech Toys in Pre-school Classroom**” **certification course** to help pre-school educators learn how to infuse the tech toys into their curriculum.

The course is 2.5 days over 2 months.

1st day (full day)	<ul style="list-style-type: none">• Learn about the toys, pedagogy & why the technology is important.• Hands-on activities to learn and play with the tech toys.• Teachers are allowed to bring the tech toys back to schools for 2 – 4 weeks.
2nd day (full day)	<ul style="list-style-type: none">• Come back and share what they have learnt.• Learn another 2 tech toys and bring them back to schools for 2 – 4 weeks.
3rd day (half day)	<ul style="list-style-type: none">• Come back and share what they have learnt.

For more details on the course fee and dates, please refer to the [AECES website](#).





POSSIBLE SSDB ACTIVITIES WITH IMDA

Family Coding Day

Invite parents or grandparents to pre-schools. The pre-schoolers will teach their family how to use the tech toys.

Simple challenges can be played amongst different families.

Visit an old folks' home

An excursion trip to an old folks' home whereby pre-schoolers spend time & play games with the elderly using tech toys.

Making Thank-You cards

Show appreciation for people in the neighborhood and community (store-owners, cleaners, etc) to make thank-you cards that can light up.

Science Fair

Imagine and create solutions to problems the pre-schoolers encounter in their daily life and showcase their inventions to their family and the community!

For any queries, please drop an email to jamie_lim_from.tp@imda.gov.sg.

SG:DIGITAL WONDERLAND 2020

SG:Digital Wonderland 2020 is the largest tech carnival hosted and organized by IMDA in Singapore. The event exposes the community to some of the latest and coolest tech showcases and encourages youths and families to discover, experience and innovate with technology.

- **Date:** 3rd – 5th July 2020 (*3rd July is open exclusively to schools*)
- **Venue:** Suntec Convention & Exhibition Centre Singapore

Date	Time
3 rd July 2020	10am – 4pm
4 th July 2020	11am – 8pm
5 th July 2020	11am – 8pm

IMDA would like to invite pre-schools to participate in PlayMaker workshops that introduce computational thinking concepts as well as ignite the pre-schoolers' creativity.

If you are interested, please drop an email with your pre-school name, teacher's name, teacher's contact (email and phone number), number of students and from which level to jamie_lim_from.tp@imda.gov.sg by end April.

We will contact you in May to check which timeslot you are keen in.

PLAYMAKER WORKSHOPS IN LIBRARIES

Another opportunity for pre-schoolers to try out the PlayMaker tech toys and learn computational thinking concepts would be the parent-child PlayMaker workshops in the libraries.

Parent and child can experience learning and playing with different tech toys to learn about fundamental programming and engineering concepts, develop computational thinking and problem-solving skills.

Please feel free to inform your pre-schoolers' parents of the PlayMaker workshops. More details of the workshops will be available [here](#).





THANK YOU