TRANSFORMING THE EARLY YEARS



echnology has permeated every aspect of our lives, changing the way we live, work, play, learn and communicate.

In our preschools, technology is transforming daily operations and work processes to deliver better service. This helps educators streamline their workload so that they can focus on children's learning and curriculum development, as well as their own professional development and well-being.

Purposeful use of technology can create blended learning environments, enabling our educators to leverage the science of learning and introduce new ways of learning. It can also spark children's curiosity and motivate them to learn more about the world we live in.

For our educators, technology offers alternate avenues to engage in professional discourses and online projects and improve their pedagogical skills and

practices. They can even participate in peer-led virtual discussions with their counterparts, both locally and overseas, and collaborate on projects.

Preschools can also use technology to engage families and the community by offering digital channels to update the children's learning journeys, solicit feedback on preschool programmes and attract parent volunteers to help out.

As Singapore moves towards post-COVID-19 normalcy, ECDA is shifting back to conducting physical events but will harness technology to introduce hybrid modalities to allow more educators to participate. Specifically, we will introduce this at the inaugural Early Childhood Celebrations on 29 October 2022, which combines the ECDA Awards, the SPARK Certificate Presentation Ceremony and the 'Start Small Dream Big' Finale. We look forward to our preschool educators and operators joining the celebrations, either in person or virtually.

As Bill Gates put it, "Technology is just a tool. In terms of getting the kids working together and motivating them, the teacher is the most important." ECDA wishes to say a big thank you to all our educators for your tremendous efforts in nurturing our children and keeping our young safe over the past twoand-a-half years.

Happy Teachers' Day to all our educators!



MR TAN CHEE WEE Chief Executive Officer Early Childhood Development Agency (ECDA)













MY TEACHER, MY SCHOOL

A peek into one preschool teacher's

Three qualities that make an

Fostering innovation through

Benefits of hands-on lessons

with computers, robots and apps

INNOVATION & RESEARCH

Nurturing independent readers

through a multi-sensory approach

EDITORIAL CONSULTANT

mediacorp

Mediacorp Pte Lto

Senior Editor Ronald Rajan

Assistant Editor Wanda Tan

Contributing Editor Joyce Lim

Senior Art Director Don Lee

Art Director Samuel Ng

Associate Art Director Rachel Lim

Senior Business Relationship Manager Michele Kho

Contributors Rafidah Razak, Pamela Quek

thoughtful space design

14 App-solutely Essential

ASK THE EXPERTS

10 All In A Day's Work

typical workday

effective leader

13 A Space To Create

12 Leading Light

15 Reading Solo

16 Q&A

CONTENTS

Reap the benefits and avoid

the pitfalls of technology

FOCUS

02 On The Right Tech

EC LANDSCAPE

- 07 Language Tools Using ICT purposefully for learning mother tongue languages
- 08 All Tech-ed Out How digitalisation is changing today's preschools in positive ways







EDITORIAL PANEL Angela Anthony Jennifer Law

Beanstalk is a quarterly publication by the Early Childhood Development Agency and is published by Mediacorp Pte Ltd Copyright is held by the publishers. All rights reserved. Reproduction in whole or in part is prohibited. Printed by KHL Printing Co Pte Ltd.

Some photos in this issue were taken before the Circuit Breaker period, and feature children/adults without masks on.

THRIVE

- 18 The Art Of Immersion How museums are using tech to create engaging experiences for children
- 21 Cherry On Top

Luscious red-and-white mini bites for National Day

22 Through The Lens Craft a cardboard camera for young shutterbugs

WELLNESS

23 5 Tips To Keep Children Safe Online

Guide young users to navigate the Internet safely and responsibly

MAILBAG

24 We've Got Mail! Parents share innovative uses of technology in learning and play

FUNTIMES

25 Life In The Future Guess how these gadgets will evolve in 30 years



ON THE COVER Photos and illustrations Shutterstock.com



Pooja Thakur, Elisabeth Lee, Chia Ee Khim



