

Dear Parents/Caregivers,

Across SA schools, 1 or 2 teachers per school are being trained as STEM 500 teacher leaders, to further build teacher capacity across the schools in teaching STEM (Science Technology Engineering Maths).

As a part of our STEM 500 role at East Adelaide School we have had the opportunity to connect with STEM education professionals and engage in STEM professional development. We wanted to share with parents and guardians of East Adelaide School some of the great STEM resources that may be useful to families.

The Digital Technologies Hub has a large number of resources aimed at teachers and families.

<https://www.digitaltechnologieshub.edu.au/families>

The website hosts a large number of STEM activities that can be done with children to improve their STEM understanding and skills. There is also information on the site about what the Digital Technologies curriculum area. It also has advice about cyber safety and effective technology use.

Code.org has a large number of activities and opportunities for students to learn about coding using block programming.

<https://code.org/>

Robo-boogie is a fun and engaging application that can be used to introduce coding to students in a fun and simple way that becomes more complex as the students explore deeper into the application moving from sliding bars to coding.

<https://roboboogie.codeclub.org.uk/>

Scratch is an incredibly popular tool used by students for block programming allowing them to make their own programs and games.

<https://scratch.mit.edu/>

CS Unplugged is a great resource that explores STEM and Digital Technologies concepts without using electronics at all. The website explores computational thinking, searching algorithms, binary and more without using a computer or other technology.

<http://csunplugged.org/>

Happy exploring!

Matt Jessett and Andrea Vigare

STEM 500 Teachers and Mentors