



## STEM Digital Technology Program

For several years, SACOME has called for the implementation of a new STEM Digital Technology Program to be rolled out in schools to support the required learning for the future of the resources sector and the state.

### The Pilot

In 2024, primary school students in six Catholic Education SA schools embarked on learning new skills in automation.

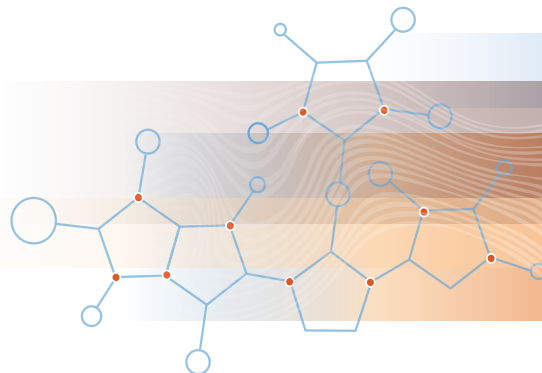
The STEM Digital Technology Pilot was introduced to the following schools by SACOME in collaboration with industry partners, BHP, Nyrstar, Hillgrove Resources, Fortescue and SIMEC Mining:

- St Barbara's Parish School, Roxby Downs
- St Mark's College, Port Pirie
- St Francis de Sales College, Mt Barker
- Caritas College, Port Augusta
- Samaritan College, Whyalla
- St Aloysius College, Adelaide

The development and implementation of the STEM Digital Technology Pilot has been fully funded by SACOME and industry partners. This includes the customisation and provision of challenge kits and access to an online learning platform for schools and teachers.

The program aims to empower educators to teach STEM skills, increase student interest in technology-based career pathways, and support the future skilled-talent pipeline crucially needed for the South Australian resources sector and other essential industries.

**45 TEACHERS**  
**403 STUDENTS**  
**100%**  
ENGAGEMENT WITH  
CONTENT & RESOURCES



### The Impact

#### Empowered teachers

Dedicated training and support ensures that teachers can confidently deliver the digital technology program.

**100%** of participating school leaders endorse the STEM Digital Technology Program, praising its resources, face-to-face professional learning, ongoing support, alignment with the Australian Curriculum, industry connections, realistic scenarios, and the sense of being part of a supportive network of schools.

#### Improved learning outcomes

Program activities provide clear learning tasks that better align with learning outcomes, and enhance students' understanding of coding and digital technologies.

#### Increased engagement

The tasks have been very motivating for students. There are lots of squeals of "It's working!"

It has also helped students to become more resilient, persistent and curious.

Those who are more confident mentor those who are less so.

#### Future integration

**100%** of schools participating in the pilot are keen to continue the Program, with **75%** considering the integration of all automations as a comprehensive approach to digital learning.



View video of The STEM Digital Program roll out on SACOME website.



### Advocating for our future

SACOME continues to call on the State Government to fund this program more broadly in SA to ensure the pipeline of talent needed for the growth of our State in future is nurtured now.

**FOR 50 REGIONAL SCHOOLS**  
**\$1.2 million**  
**INVESTMENT OVER 5 YEARS**  
**REACHING 8,750 STUDENTS**

