

Partnership Update

for **The Surveyors' Trust**





SIGNATURE PROGRAM FOR 2021

LIGHTHOUSE SCHOOLS

Our Lighthouse Schools Program has been developed under the partnership with The Surveyors' Trust in 2021. This is built on the foundation of resources we have developed over the last four years for teachers to use in schools from Prep to Year 12.



The program is designed to build a stronger link between schools, industry, and Universities and is based on the Queensland Government's Gateway to Industry Schools Program. This positions the program to seek further funding from the State Government and other corporates, by aligning it with government initiatives. To date, we have achieved the following milestones for this project:

- We have employed a Senior Teacher at 0.6 FTE, who has extensive geography teaching experience at the High School level, to manage the program. She is based on the Gold Coast.
- We have run an application process to select Lighthouse schools in each of the seven school regions of Queensland. We received 43 initial expressions of interest, 23 final applications, and have selected 10 schools to participate as Lighthouse Schools. We are also providing support to an additional six schools as Pathway Schools.
- The Lighthouse Schools will be provided priority access to face to face PD, 1-1 teacher mentoring, face to face student programs, an individualised school development plan to develop capability in the geography and digital technology curriculum areas, and financial support for regional schools to attend professional development in Cairns or Brisbane. Support will also be provided to build local links with the geospatial industry and universities. Pathway Schools will be provided group support, with some individual support if available.
- The number of schools originally proposed to be supported through the partnership was seven schools. Due to the large amount of interest in the program we have increased this and provided some additional internal resources to support this increased number of schools.
- A two day professional development program is being run in Cairns on 17/18 May, and in Brisbane on 20/21 May for all the Lighthouse Schools, with some places also provided to the Pathway Schools.

The following milestones are to be completed as part of the program:

- Develop individual plans with each Lighthouse School, and provide group support to the Pathway Schools.
- Develop links with local surveying and spatial industry partners for each Lighthouse School, based on their individual learning needs.
- Develop links with University partners, either for the program as a whole, or for individual schools.

We will be conducting surveys and gathering data throughout this program with the teachers, to evaluate their confidence in using spatial skills in the classroom, and assessing their connection to industry. We will also be gathering impact statements, and student numbers as well. This will be provided in the final report.

This program is currently exceeding its outcome target.



SUPPORTING PROGRAM 1

ONLINE RESOURCES

Our online membership, Orbit, provides teachers with 'done-for-you' resources that support the integration of spatial skills into the classroom. These programs include: Pippa and Dronie for early Primary students; Classroom Drone Essentials for Years 5-9; Map My School, with levels to cater for Years 1-12, and our Drone Mapping Course. These programs are then supported by additional resources, extension activities, access to videos etc that link with the Geography and Digital Technologies curriculum.

This is an online, self-paced option and is sold for \$240 / yr per teacher. The partnership with The Surveyors' Trust provides this free to Queensland Teachers, across State, Catholic, and Independent schools. You can find out [more information here](#) about the membership.

To date there are 640 Queensland Teachers enrolled in the resources, representing a total value saved to the schools of \$153,000. We expect to hit our target of 800 teachers enrolled by the end of 2021.

This program is currently on track to achieve its outcome target.

SUPPORTING PROGRAM 2

PIPPA AND DRONIE BOOK

The Pippa and Dronie book was published in 2020, with significant financial support from The Surveyors' Trust. Pippa and Dronie is designed to engage early primary school students in STEM, with a focus on using drones for spatial uses, whilst also showcasing female role models.

A large challenge of the spatial industry is increasing the diversity of the workforce. Pippa and Dronie is designed to help challenge the unconscious bias of who can do what job. If students see it, then they can imagine being it.





The Pippa and Dronie book was launched in National Science Week, August 2020, and the launch event was supported by an Inspiring Australia, Queensland grant. This provided funding for a national marketing campaign and we ran a series of author and character talks online.

The book is available for sale at pippaanddronie.com for \$25.95 delivered, and the following has been achieved through this program:

- 400 books in 2020 and 400 books in 2021 being provided to Qld Schools and communities through the partnership. In 2021 we have partnered with the Queensland State Principals Association to give a book to every attendee at their 2021 conference. These 800 books represents \$15,000 value provided to schools.
- Teacher resources developed to complement the books use in the classroom. These have been downloaded over 550 times.
- The interactive game is available on both the App Store and Google Play store. Search for 'Dronie' and it is a purple app with the Dronie in the middle.
- Over 250 books have been sold via the website or via third party book distribution websites, allowing for an international audience. For every book sold, we gift another book to our charity partners Ardoch or Deadly Science. They give these books to children and communities that need them.
- We have engaged with other surveying organisations (Craig Sandy, NSW Surveyor General) and companies such as NGIS to expand the reach of the book to other communities.



The book continues to be sold and publicised both within Australia and through our International partners. The resources will continue to be developed, and the book provides an ongoing tool for engaging with early Primary School students.

This program is currently on track to achieve its outcome target.



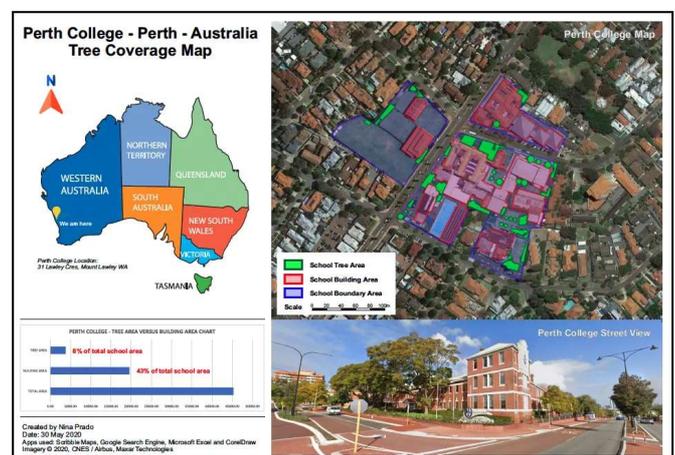
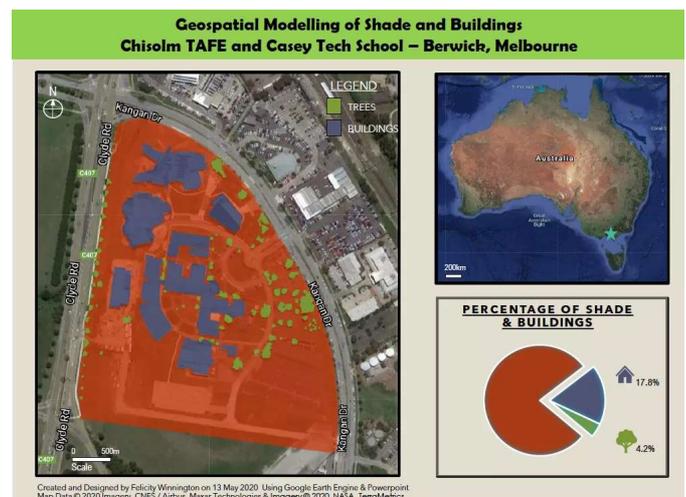
SUPPORTING PROGRAM 3

MAP MY SCHOOL COMPETITION

The partnership supported the development of teacher resources and the Map My School competition in 2019. In 2020 the competition was expanded from being a Queensland competition to a National competition. The program has been significantly developed in 2021 in the following ways:

- Extension lessons developed that focus on Place and Liveability in the Geography curriculum.
- Additional marketing to increase the exposure of the program, resulting in the number of teachers registering for the resources growing from 150 in 2020, to currently over 890 registrations. In 2020 there were 60 individual entries to the competition, with a target of 100 for 2021. Entries opened for this year's competition on 12 May and close on 25 June. We expect to exceed the set target of 100 entries.
- Due to the large number of potential entries this year, we are currently seeking additional corporate sponsors to help supply additional prizes for the competition.

This program is currently on track to exceed its outcome target.



A selection of winning entries from 2020



NEXT STEPS

We are pleased with the progress of these programs under this partnership and look forward to working with The Surveyors' Trust for the rest of 2021 to leverage the partnership further. As mentioned above, and with the foundations now set for the programs this year, we want to focus on gaining more links into surveying and spatial businesses across Queensland to link with our Lighthouse Schools. Additionally, we would like to secure a further \$100K from additional corporate partners to leverage The Surveyors' Trust funding, and expand the Lighthouse Schools program in 2021/22. The support offered by The Surveyors' Trust CEO to 'open doors' and support these conversations is appreciated.

If there is any further information we can provide the Board, or additional opportunities to expose The Surveyors' Trust brand, or the spatial industry more broadly, then we are always willing to support this where we can. We are working on a dedicated page on our website to promote the partnership, and be able to share stories and impact as a result of the programs.

We understand you are also beginning a campaign to promote activities the The Surveyors' Trust supports to its contributors, please do let us know what photos, imagery, etc you might need to further support this also.

Regards,



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APPENDIX 1

LIGHTHOUSE SCHOOLS

	School Name	City/Town	Postcode	Region
LIGHTHOUSE SCHOOLS	St Stephens Catholic College	Mareeba	4880	Far North
	Trinity Bay High School	Cairns	4870	Far North
	Ingham State High School	Ingham	4850	North
	Heights College	North Rockhampt	4701	Central
	Sunshine Beach State High School	Sunshine Beach	4567	North Coast
	Wavell SHS	Brisbane	4012	Metropolitan
	Sheldon College	Sheldon	4157	South East
	Ormiston College	Ormiston	4160	South East
	Hillcrest Christian College	Reedy Creek	4227	South East
	Toowoomba Anglican School	Toowoomba	4350	Darling Downs
PATHWAY SCHOOLS	Good Counsel College	Innisfail	4860	Far North
	Bray Park State High School	Bray Park	4500	North Coast
	Chancellor State College	Sippy Downs	4556	North Coast
	Wynnum State High School	Manly	4160	Metropolitan
	Alexandra Hills State High School	Alexandra Hills	4161	South East
	The Lakes College	North Lakes	4509	South East



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