

*Presented at the FIG Working Week 2025,  
6-10 April 2025 in Brisbane, Australia*

# Lets Locate

Filling in the Missing link in geospatial industry  
education pipeline

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Surveyor-General of the Australian Capital Territory



**ACT**  
Government

Office of the Surveyor-General

# The Industry education pipeline

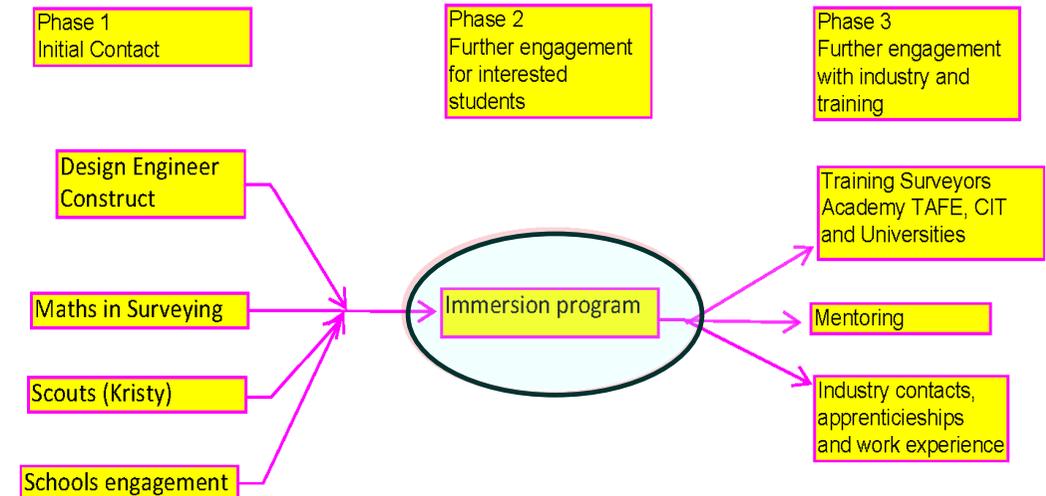
## Phase 1 - Initial contact

- Short time frame,
- Difficult to create a connection,
- Hard for students to appreciate what the job involves

## Phase 2 – Immersion in industry

- Students can learn more
- 5-day project-based program
- Learning industry skills
- Ongoing engagement with industry and education opportunities

### ACT Geospatial Engagement & Immersion program



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# Background – The early programs

- 2016 and 2019 – for Year 9 to 12 students
- Surveying industry immersion
- 5 days with less than 20 students
- Results
  - Great student enthusiasm
  - Advertising the program became difficult
  - No connection with industry and education
  - Over reliance on 1 or 2 people running it – A big risk



## Let's Locate

Are you curious, like working outdoors and with technology?

The Let's Locate program is an exciting opportunity for selected year 9, 10, 11 and 12 students to engage in hands-on, practical learning activities in the use of the latest positioning technology. The program will introduce and apply concepts in surveying and civil construction.

Let's Locate is a STEM program where students will have the opportunity to develop skills and knowledge about jobs and careers in surveying and spatial information.



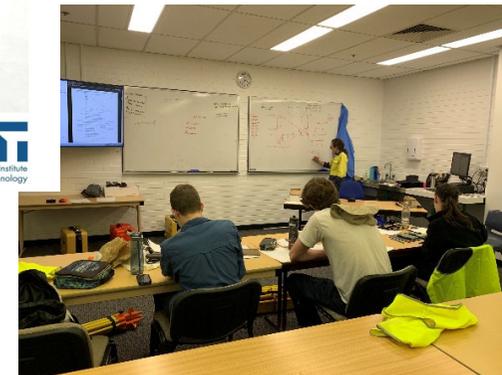
Are you curious, enjoy IT and the outdoors?  
The Surveying and Geospatial STEM FLO is an exciting opportunity for selected year 10, 11 and 12 students in the North Gungahlin and Belconnen School Networks to engage in hands on practical learning activities in the use of the latest satellite technology used in surveying and digital applications with spatial information software. This project will involve design and construction concepts from the Capital Metro project.



**Surveying and Geospatial  
STEM Flexible Learning Option**

Students gain up to five VET competencies and a Statement of Attainment in CP2012 Certificate II Surveying and Spatial Information

**Term 2, 2016 - Weeks 9 & 10, term 3 - week 1**  
Dates are: Thursday 23 June and Friday 24 June  
Wednesday 29 June, Thursday 30 June and Friday 1 July  
Thursday 21 July and Friday 22 July  
There will be a celebration on the final day of the program



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# Learning what to do next time?

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- Create interest, then take students further along 
- Make it engaging and exciting - new technologies 
- Give students real world surveying skills and technology 
- Connect students with employers and education opportunities 
  - Include parents
- Get peak industry bodies involved 



# Lets Locate Canberra – Surveying 2024 Pilot

## Lets Locate Canberra 2024

- 5 days of surveying - October
- Awareness traditional surveying skills, TLS and UAV aerial imagery
- ISNSW, Surveying careers and others
- A paid teacher
- Less than 20 students
- 2 volunteers each day at least
- Plenty of chocolates!!



**LET'S LOCATE**  
*Canberra*

ARE YOU IN YEAR 10-11?  
ARE YOU CURIOUS, DO YOU LIKE WORKING OUTDOORS WITH TECHNOLOGY?

LET'S LOCATE IS A STEM PROGRAM WHERE STUDENTS WILL DEVELOP SKILLS, KNOWLEDGE AND CONCEPTS IN SURVEYING, CIVIL CONSTRUCTION, AND SPATIAL INFORMATION.

SCAN BELOW FOR DETAILS

**30 SEPT - 4 OCT 2024**  
\$100 PER STUDENT - COVERS REGISTRATION & LUNCH FOR 5 DAYS  
20 SPACES AVAILABLE - REGISTRATIONS CLOSE 25 SEPT

ACT Government  
ISNSW  
SURVEYING  
Geospatial



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# Learning what to do next time?

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There needs to be

- A strong local organising group – Share the load and risk
- Strong local relationships – Schools and local industry
- A good pool of volunteers for events – Train them
- Strong connections with peak industry bodies – They can help
- Effective local advertising – In schools and the community
- A sustainable funding model - Sponsors

A complete education engagement pipeline – No missing link



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# 2025 Lets Locate Canberra – Pilot programs

## Geospatial Taster Day - 29 May 2025

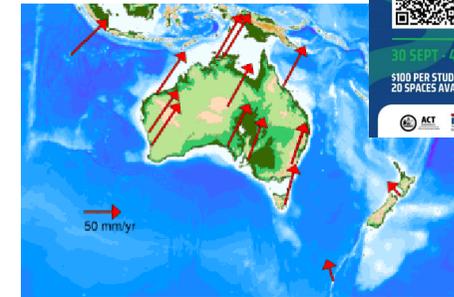
- Surveying and Spatial combined

## Geospatial and Planning - Immersion Event – 5 days – July 25

- Using geospatial information & planning design principals to develop a design for a new land development.
- Partnering with the Planning Institute of Australia

## Surveying – Immersion Event – 5 days – Oct 2025

- A repeat of last year





## LET'S LOCATE Canberra

FOR 10-11?  
OUS, DO YOU LIKE WORKING WITH TECHNOLOGY?  
IS A STEM PROGRAM WHERE  
L DEVELOP SKILLS,  
AND CONCEPTS IN  
VIL CONSTRUCTION, AND  
EMATION.  
FOR DETAILS



13 OCT 2024  
ADENT - COVERS REGISTRATION & LUNCH FOR 5 DAYS  
AVAILABLE - REGISTRATIONS CLOSE 25 SEPT

ISNSW SURVEYING 3i Geospatial

‘A complete education engagement pipeline – No missing links’



# Finally

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We can do much more than solve industry problems.  
We can change lives.

From the 2016 event. A young woman of 17, was heard to say as she left on the last day, ...

“All I thought I could do was work in hospitality.  
I never thought I could do something like this”



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