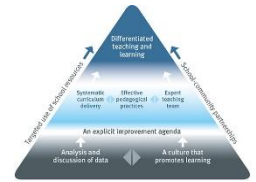


# BE A NUMERACY LEADER

Invest in student, staff and school improvement



## SOLVE IT - YEAR 7 - U2B

[Register Here](#)

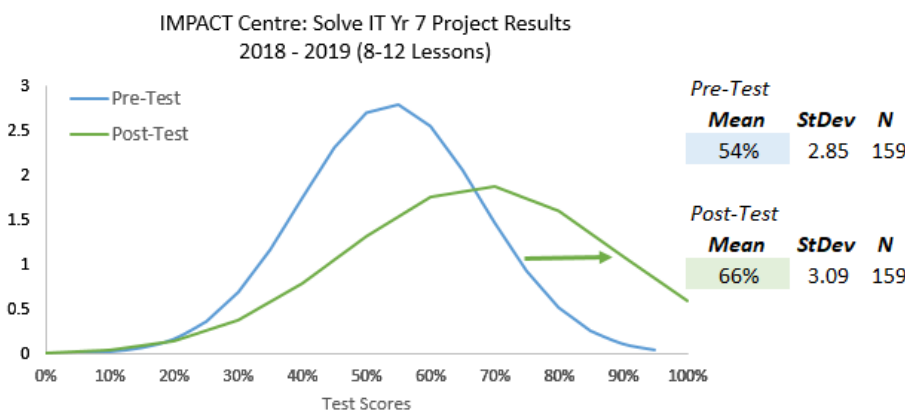
### ✓ Differentiate teaching and learning

*Solve IT* develops students' ability to solve complex numeracy problems through the use of a problem-solving approach, strategies and collaboration. Your students will:

- learn and apply a process for comprehending and solving problems;
- develop a bank of problem-solving strategies to use on demand;
- be taught by a specialist teacher from the IMPACT Centre;
- build technology skills and confidence for future online learning and assessments.

### ✓ Improve outcomes

The following graph demonstrates that the achievement of *Years 7 Solve IT* students significantly improved from pre- to post-assessment in 2018-2019.



### ✓ Deliver curriculum

AUSTRALIAN CURRICULUM - Content Descriptors

Mathematics – [ACMNA183](#), [ACMNA180](#),  
[ACMNA188](#), [ACMNA192](#)

General Capabilities



### ✓ Develop expertise

- We highly recommend that your supervising staff member/s login, learn alongside your students and collaborate with our specialist teachers.
- They develop curriculum, pedagogy and technology expertise, which transfers to their teaching or leadership role.
- Offer the opportunity to a leader, teacher or aide.
- They earn a PD Certificate aligned to AITSL standards – through active participation in lessons and completion of a short online module.



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## Student target group

- Your school determines which students participate.
- As a guide, most schools select students who achieved Band 6-7 in Year 5 NAPLAN Numeracy and are tracking towards the Upper 2 Bands in Year 7 Numeracy.
- Teacher judgement, data and student interest in the topic should assist selection.
- Student or parent nomination is also an option.

## Assessment and reporting

- Assessment involves a numeracy problem-solving pre-test to provide diagnostic data and a post-test to measure distance travelled.
- Your school receives a written report containing pre- and post-assessment results, attendance data & survey feedback. You also receive report card comments (OLA).

## Course outline

1	Inspiring introduction to <i>Solve IT</i> and online learning skills
2	Pre-Test and introduction to See-Plan-Do-Check approach
3	Addition and subtraction operations, focus on seeing the question
4	Addition and subtraction operations in multi-step, non-routine problems
5	Benchmarking - compare/estimate fractions, percentages, decimals, degrees
6	Spaced learning, elearn exploration, quiz completion
7	Multiplication/division operations – rates, proportional reasoning
8	Multiplication/division operations – ratio, scale
9	Investigate issues involving numerical data displayed in graphs and tables
10	Reinforcement and re-exposure to consolidate and extend prior learning
11	Post-Test and eLearn activities
12	Evaluate, extend, reflect and celebrate

## Timetabling, group size and costs

- Students participate in 1 x 60 min web conference lesson per week for 12 weeks.
- We negotiate the timetable with you - nominate 2-3 preferred times.
- 3 x 12 week rounds run across the year - *Solve IT* is available in all rounds.

Round 1: Feb 3-May 22				Round 2: May 25 – Aug 28				Round 3: Aug 31 – Dec 4			
Feb	Mar	Apr	May	May	Jun	Jul	Aug	Aug	Sep	Oct	Nov
Available				Available				Available			

- 14-15 students from your school form an online group.
- Round 3 cash option is \$4300 per group of 14-15 students.**
- You can involve a full class of 28-30 students – this is classified as 2 groups.
- We operate on a cost recovery model – invest a small fraction of FTE or cash.
- Your school is investing in the time of a specialist teacher who works directly with your students and staff and is employed by the Department of Education.
- Consider using [Investing for Success](#) or internal school budgets.
- See [How it works](#) and [Investment options and costs](#) for specific details.



## NUMERACY SUCCESS

**STAFF:** A very engaging and beneficial program showcasing and enhancing some great concepts to add to a student's problem-solving toolbox.

**STUDENT:** I can now solve problems better! The teacher explains details to help me understand much easier! I like the games that we had to do and I enjoyed using learning tools on the computer. This course had made me feel a little more confident to solve a problem as sometimes when I have a question, it is difficult to ask. It made me feel confident because I had other people to discuss it with.

**STUDENT:** What I've learnt in Solve IT is to develop a plan to solve a problem. I'm enjoying this because I've got a lot of tips from it, and also I'm sure this can help me, as I can identify my answers and think before answering. I notice that I REALLY enjoy working online, also this make me feels more confident to approach a problem. This program makes solving problems easier for me! Lastly, I can share my ideas with others friends.

[Register Here](#)

[How it works](#)

[Investment options and costs](#)

[View all programs](#)