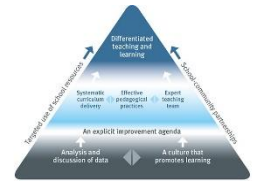


BE A NUMERACY LEADER

Invest in student, staff and school improvement



SOLVE IT - YEARS 8-9 - U2B

[Register Here](#)

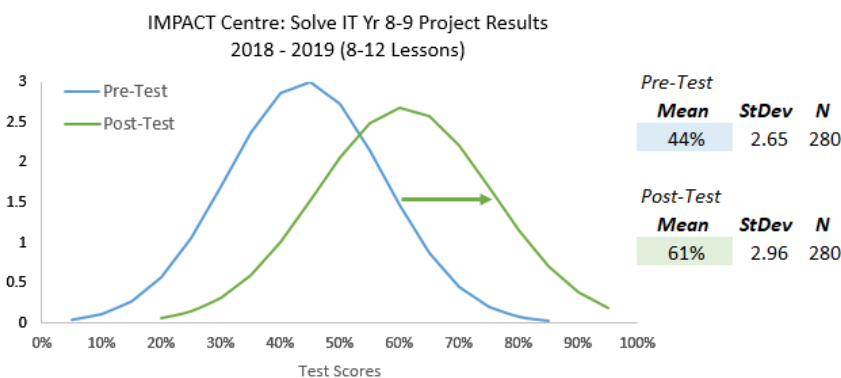
✓ Differentiate teaching and learning

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 8-9 Solve IT* students significantly improved from pre- to post-assessment in 2018-2019.



✓ Deliver curriculum

AUSTRALIAN CURRICULUM - Content Descriptors

Mathematics – [ACMNA183](#), [ACMNA188](#), [ACMNA212](#), [ACMMG221](#)

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 7-8 in Year 7 NAPLAN Numeracy - Year 9 students for Round 1 and Year 8 students for Rounds 2-3.
- 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	Strategies for Benchmarking - number
4	Strategies for Benchmarking – fractions, decimals, percentages
5	Strategies for Multiplication and Division – rates, ratio, proportional reasoning
6	Spaced learning - working mathematically using See, Plan, Do, Check
7	Strategies for Multistep Problems – order of operations
8	Strategies for Multistep Problems – geometric reasoning
9	Strategies for Patterns – linear equations
10	Spaced Learning – revision of all strategies
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: Students who are enrolled in the Impact courses respond with energised attitudes towards the particular subject area. Their interest and confidence rise within the stimulating cyber classroom that is run by very personable and skilled teachers

STUDENT: It really helped me and not just in math class, but also with the others subject s. I am more careful with every question that I answered because it taught us to be accurate with reading the question carefully, planning what we are going to do, then doing it, then check it to make sure it is right.

STUDENT: We are learning how to think outside of the box to solve complex problems. It is challenging. When we are learning in the impact sessions, it is good because we can share our ideas and theories with others.

STUDENT: Having a different teacher teaching and explaining things to you in different way to how you learned them is great.

[Register Here](#)

[How it works](#)

[Investment options and costs](#)

[View all programs](#)