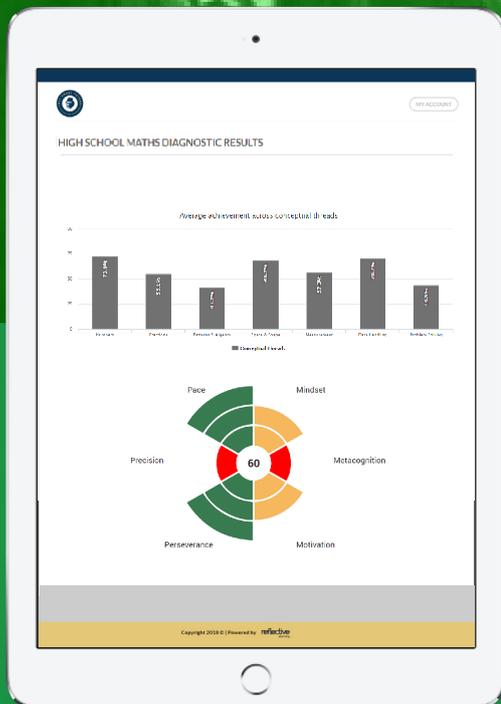




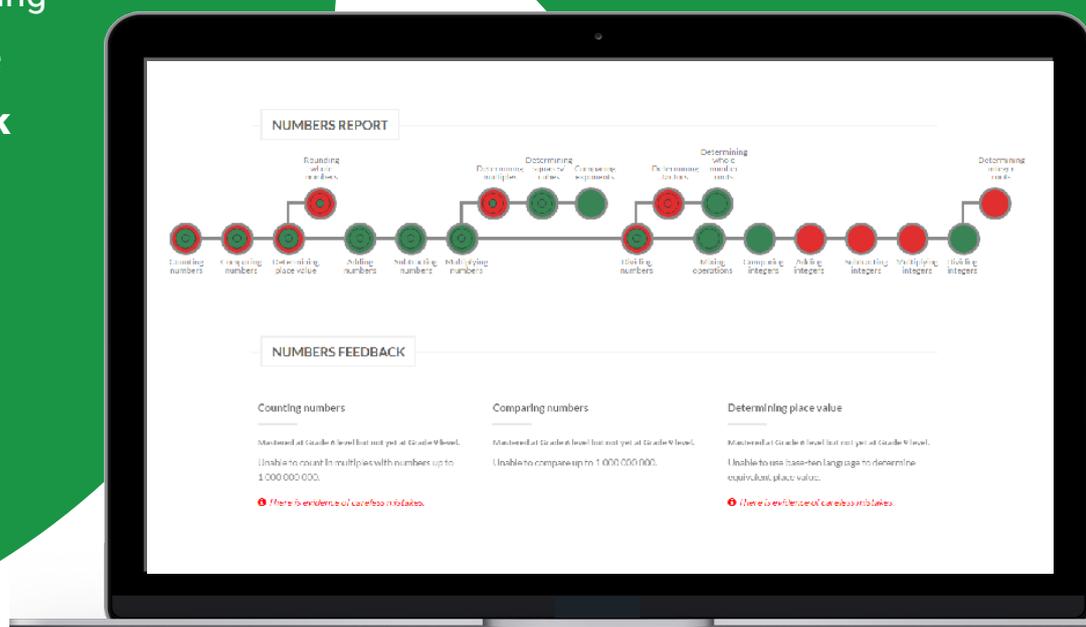
Expert diagnostics for targeted remediation

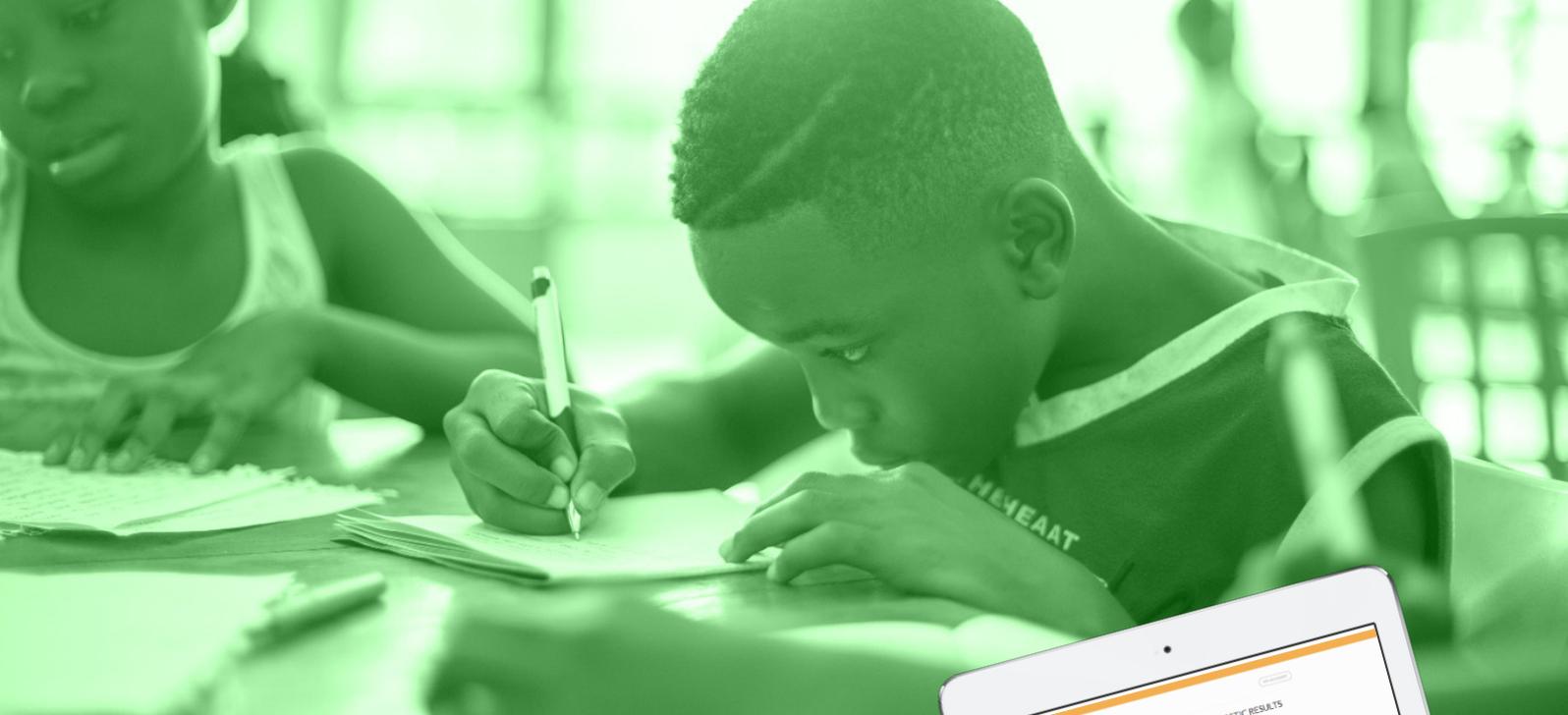
For more information on our assessments:
www.reflectivelearning.co.za



Understand each learners' conceptual understanding and cognitive processing skills using our unique **conceptual framework** and **Learning Behaviours**, including the of **metacognition** and **mathematical mindset**.

Rich, comment-based **formative feedback** is tailored for every individual learner giving them and teachers all the information needed to create a **targeted intervention**.





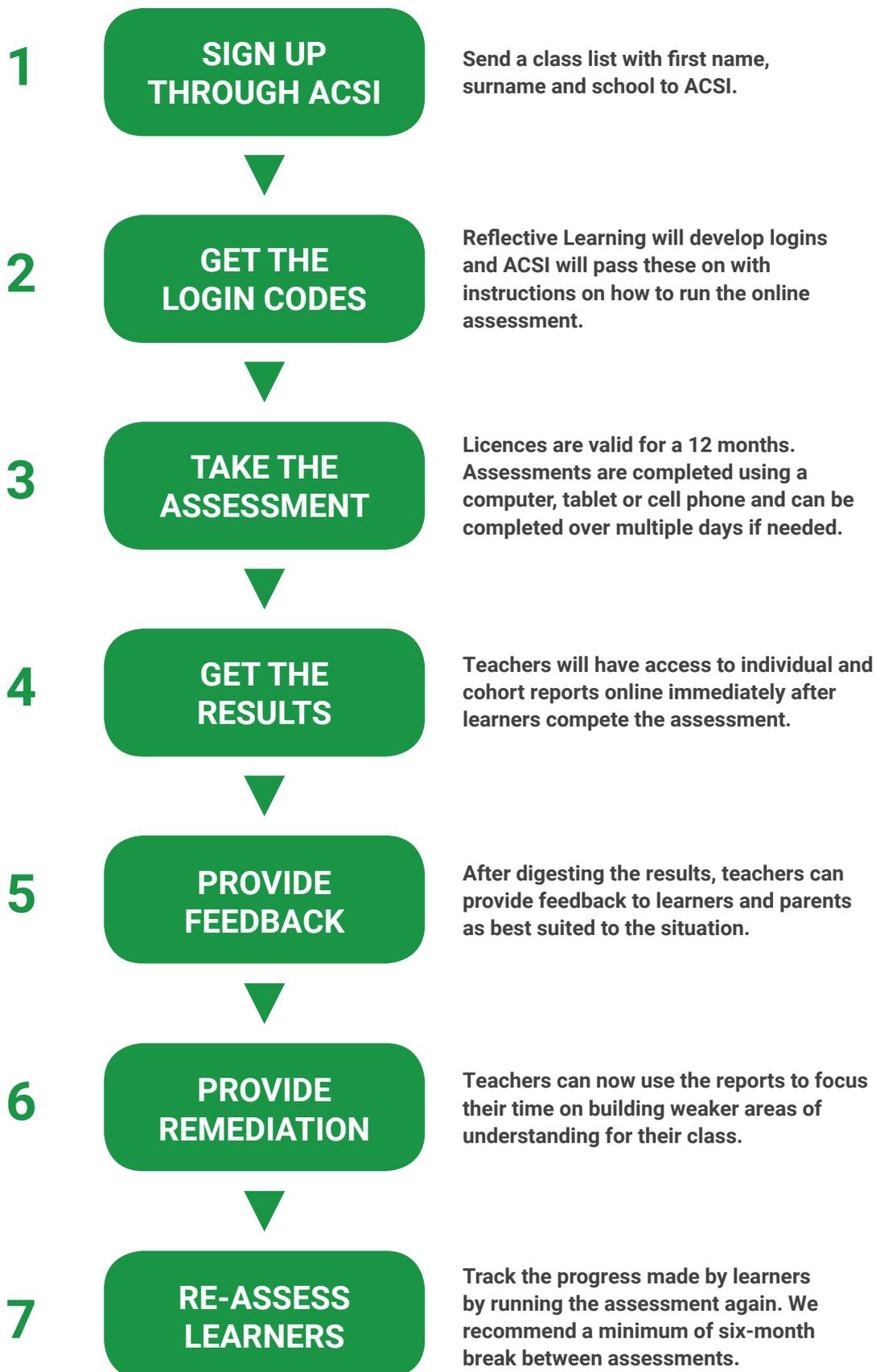
Insightful and easy-to-understand **class-wide and individual learning analytics** enable teachers to develop class-wide and learner-differentiated teaching strategies with a high degree of accuracy.



Our diagnostics measure the understanding of key concepts required for mastery of future learning, benchmarked at multiple CAPS levels.

so what's

THE PROCESS?



frequently asked QUESTIONS

What is diagnostic assessment and why is it so important?

Diagnostic assessment is a special type of assessment designed to measure a learner's understanding of critical concepts and cognitive skills. It is focused on improving an **individual's learning into the future** rather than of measuring the extent of their learning for reporting and decision-making. It should always provide **personal feedback** – the more focused the feedback, the more valuable the assessment. This is why comment-based feedback that is able to be acted on is better than percentages or marks.

What are learning gaps?

Learning conceptual subjects (such as Mathematics) requires learners to link more advanced concepts they are building to foundational concepts they have already understood. If these foundational concepts are shaky, they can start to fall further and further behind until they no longer believe they can “do” the work. These gaps (the difference between what learners are supposed to know in their grade and what they really know) are called **learning gaps**. This is not due an intellectual deficit (inability to learn), but rather due to a lack of quality learning experiences (opportunity to learn). This can happen if a learner is absent from school, unhappy or distracted, experiencing changes in teachers, classes or schools – so in other words, it can happen in any school!

What do Reflective Learning diagnostics do?

The diagnostics measure performance on conceptual threads, consisting of multiple conceptual landmarks which run through subjects. After completing an assessment, learners are placed on which grade level they are actually functioning. Through this, learning gaps can be identified. Reflective Learning reports provide a blueprint of a learner's current understanding, a clear learning trajectory to mastery, and rich comment-based feedback to define exactly what is to achieve at that level. The visual results are returned as concentric circles – the inner most circle is the lowest CAPS benchmarked level, with more outer levels being higher CAPS benchmarked levels.

For which subjects do you offer diagnostics?

We currently have three diagnostics available for Mathematics, with more subjects in the pipeline! There is no time limit, so learners should work at their natural pace.

Junior Primary:	Suitable for Grades 3 and 4	24 concepts measured	Approx. 30 - 45 min
Senior Primary:	Suitable for Grades 5 to 7	51 concepts measured	Approx. 45 - 60 min
High School:	Suitable for Grades 8 to 11	81 concepts measured	Approx. 2 - 3 hours

What are Learning Behaviours and why are they measured?

These are actions, decisions and perspectives that influence a learner's academic success. We measure Perseverance, Pace, Precision, Mindset, Motivation and Metacognition. Backed by research, these indicators have shown to have a significant impact on a learner's ability to excel in Maths.

How should a learner's errors be approached?

We want to develop independent, self-sustaining, lifelong learners - and to do this, learners need to grow in their metacognitive skills (thinking about their learning). Recent research has shown that students diagnosing their own errors significantly outperform their peers. As such, incorrect answers should be embraced as **opportunities to learn** and are more important than correct answers as they hold the key to growth, progress and success in learning! Mistakes are expected so they must be detected, respected, inspected and corrected!

What should happen after completing the diagnostics?

After receiving a Reflective Learning report, the learning gaps can be identified and how far back they go. This enables **targeted intervention** by teachers as the landmarks that are not mastered yet can be specifically focused on to catch up a learner's understanding.



Reflective Learning gets **full marks** for its ability to highlight conceptual gaps at an early stage. As an innovative diagnostic tool, **Reflective Learning is bound to add immense value to both teaching and learning.**

The well-known teacher and researcher Tracey Butchart brings a lifetime of assessment expertise to this useful, practical tool.

**Nicolette de Bruyn, Director,
Uplands Outreach**



Reflective Learning is a **wonderful tool** to identify key gaps in understanding of basic concepts. Targeted interventions can then address the knowledge gaps, allowing the learner to catch up and progress in their Maths and Science education. **I think all schools should be using Reflective Learning** and providing child-centred support to enable learners to reach their full potential.

**Rosemary Heenan, International
Development Consultant**



We have been **extremely happy** with the diagnostic tests that we did with all our Grade 8 and Grade 9 students through Reflective Learning. The support from Tracey and her team has been superb and the reports that the students received after their tests were submitted were very helpful in pointing out exactly where the problem areas for each individual student are.

I would highly recommend Reflective Learning.

**Stephné van Niekerk, Mathematics
Educator, Curro Hermanus**