ICAS assessments

Janison Assessments.

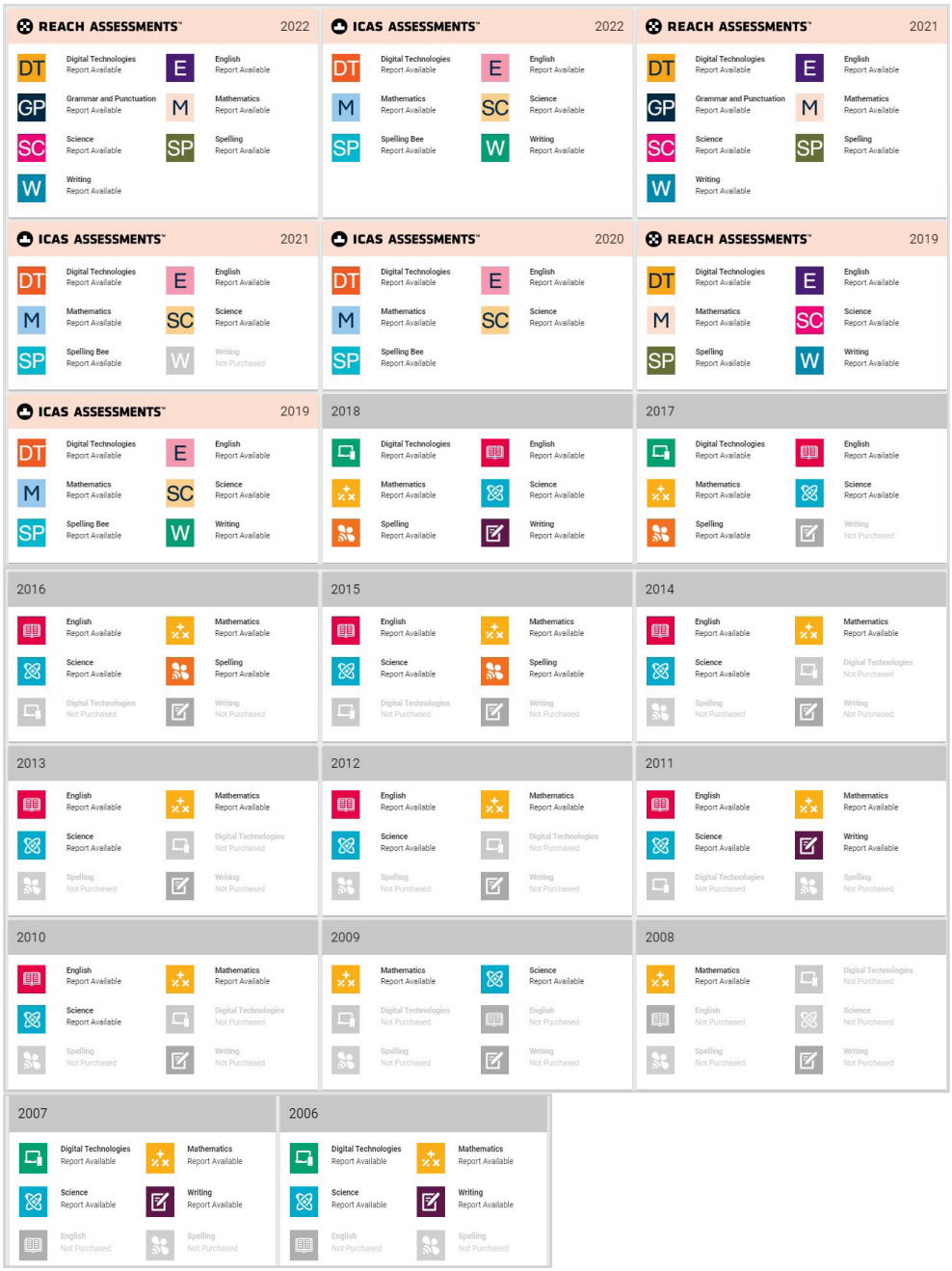
Reach Results Handbook.

FOR SCHOOL COORDINATORS

Contents

Your ICAS / Reach Dashboard	3
Your Reach Dashboard	4
Reach Results Per Subject / Grade	6
Reach Skill Area Results	7
Reach Question Result Analysis	8
Reach Cohort Student Results Summary	9
Reach Individual Student Results Summary	10
Reach Individual Student Results Questions	11

Your ICAS / Reach Dashboard



More than a decade worth of data

"I wonder how my students have performed over time."

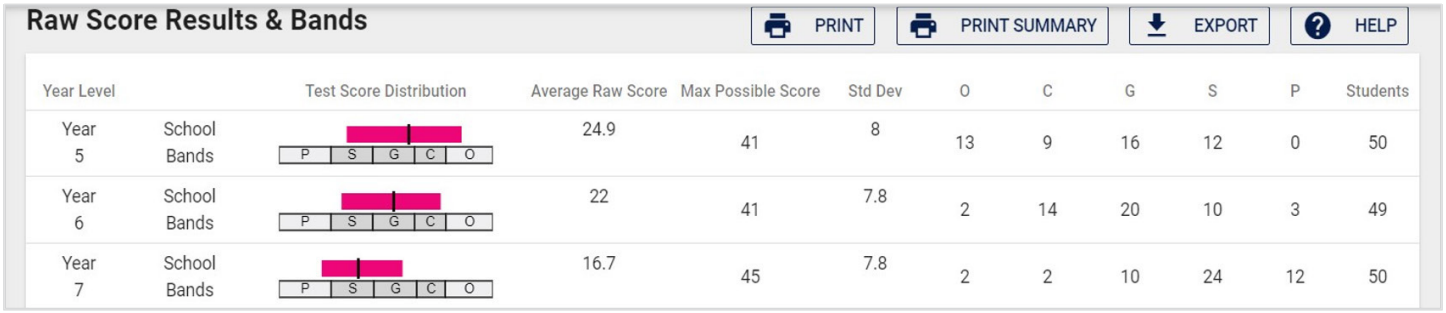
Your ICAS / Reach dashboard will allow you to access your school's results from 2006 until present. Results, certificates, and achievements of each student are stored safely on your dashboard and are easily accessible at the click of a button. You also have access to free ICAS past papers if your school participated between 2006 - 2018 when our competition was paper based.

How it benefits your school

- This is perfect for monitoring school, cohort, and individual student progress/decline over time.
- It is insightful for teachers during 'student handovers' at the beginning of each year.

*Please note - subjects are shaded out if your school didn't participate.

Your Reach Dashboard



Year Level		Test Score Distribution	Average Raw Score	Max Possible Score	Std Dev	O	C	G	S	P	Students
Year 5	School Bands	P S G C O	24.9	41	8	13	9	16	12	0	50
Year 6	School Bands	P S G C O	22	41	7.8	2	14	20	10	3	49
Year 7	School Bands	P S G C O	16.7	45	7.8	2	2	10	24	12	50

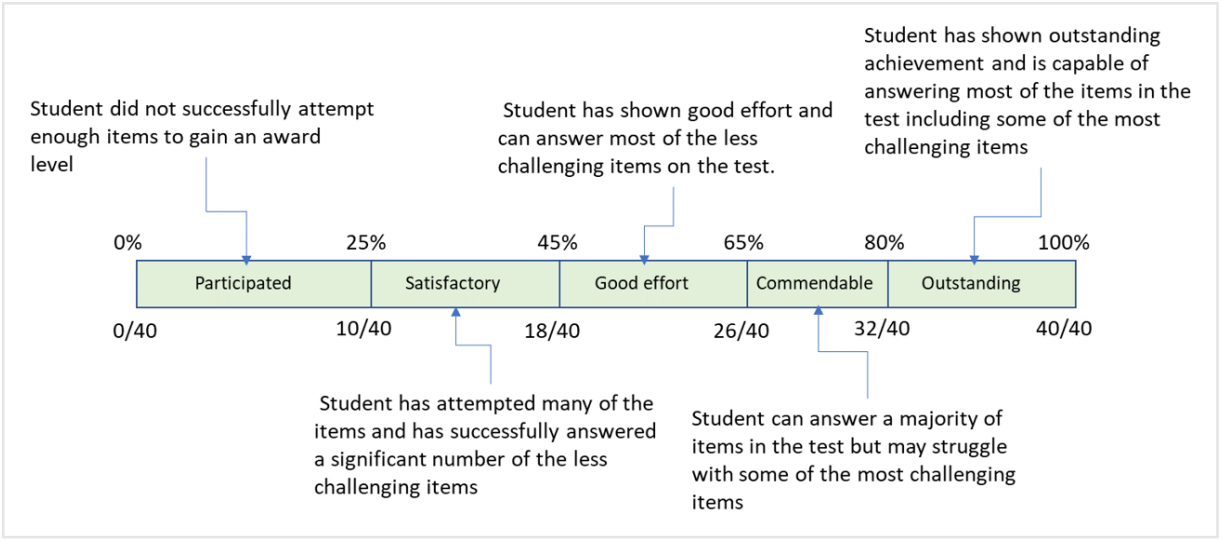
Achievements at a quick glance

"How did my students perform overall in each subject?"

When you select a subject e.g., 2023 Science, a 'Raw Score Results & Bands' page appears.

From left to right you will see: Grades which participated in the subject, the average of your students and the bands they achieved. Then you will see a breakdown of your student achievement (how many students achieved each band) and the total number of students who sat the test within that grade level.

For a typical test with 40 questions, the bands would look like this:



How it benefits your school

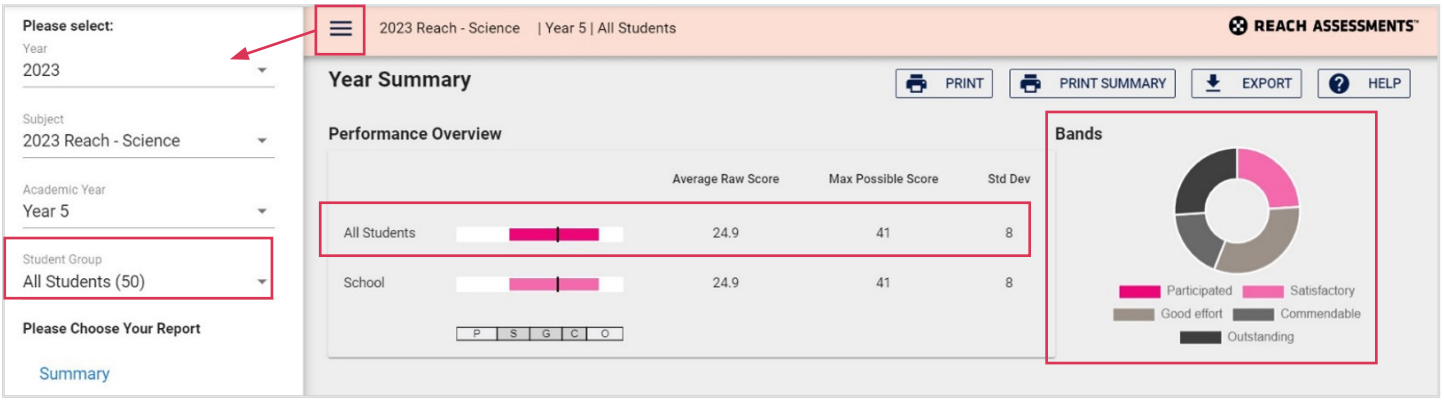
- This information is perfect for identifying where your students are sitting at a quick glance.
- It is easy to see the spread of your students in each grade level and quickly identify their abilities.

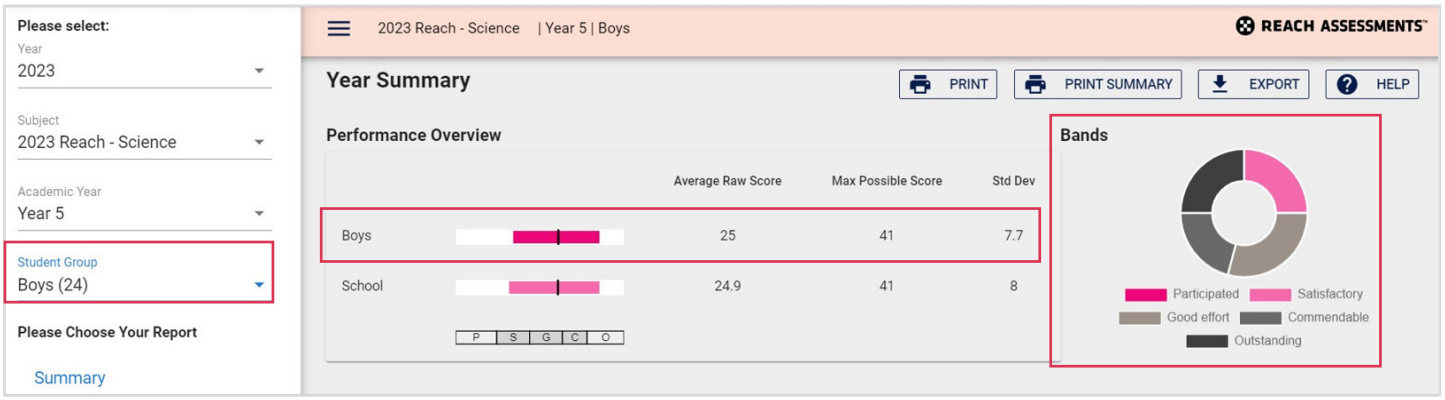
Case Study Example

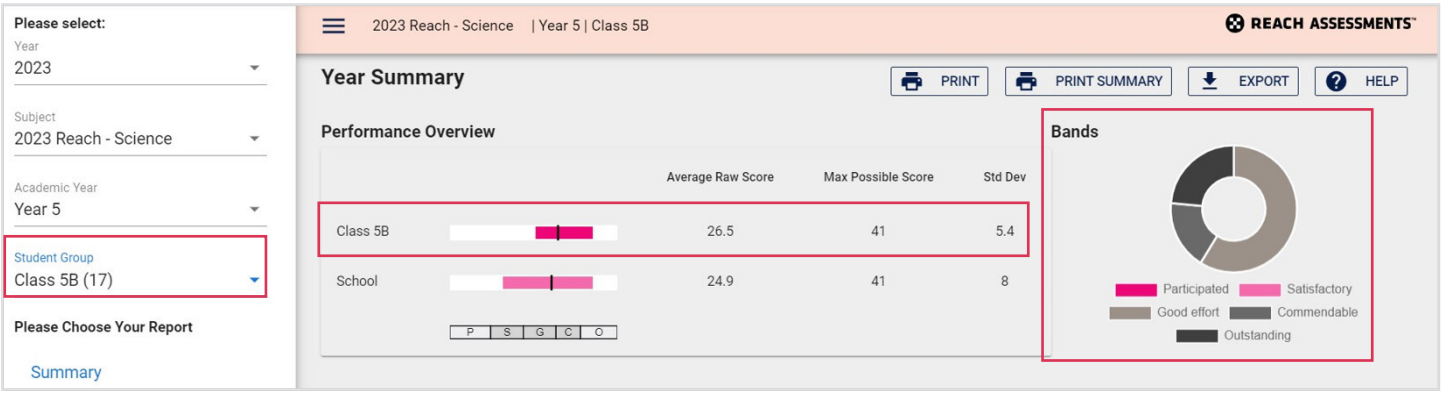
By looking at the data above, we can see that Grade 5 has the highest average score, and most students achieved the top end bands 'Good Effort', 'Commendable' and 'Outstanding'. Pleasingly, not a single student has received 'Participation'. Teachers of Year 5 can consider ways of extending their students even further.

We can see that Grades 6, and especially 7, are a little weaker, sitting in the mid-tail range. With Year 6 being an off NAPLAN year, it's great to see this and catch it early. Teachers of Grades 6 and 7 can analyse the questions to exactly pinpoint student gaps and integrate targeted learning to be able to see growth within the next year.

Zoom Into Each Grade Level Per Subject







Apply a filter

"How can I analyse data across separate classes or groups?"

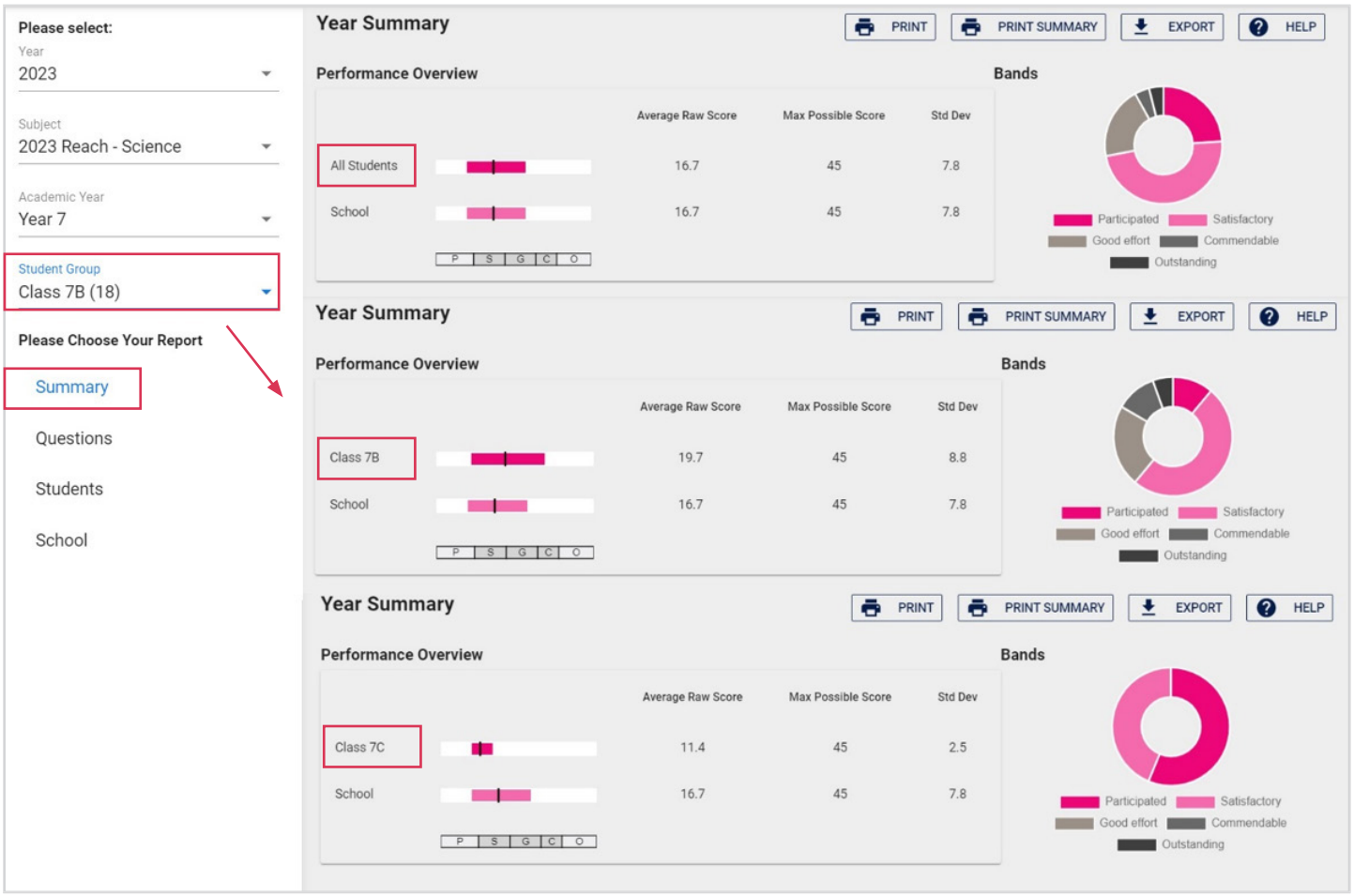
Pressing the 3 horizontal lines will bring up a side-bar menu. Here you can apply your filter to target specific information per grade.

*Please note - filters are available if you enter the gender and class group into the spreadsheet before uploading it into our Assessment Portal.

How it benefits your school

- As we delve into the information your school will have access to on the following pages, you can choose to view results across a complete grade, per individual class or by gender.

Reach Results Per Subject / Grade



Compare and Contrast Student Information

"I wonder how the students performed in each class."

When you filter by a grade and subject, you will see the 'Performance Overview' for all your students or your filtered students. Here you will see the average of your class, cohort, and the bands achieved. You will also see the max possible score within that test and the standard deviation. Depending on the filter applied, you will be able to see the bands e.g. how many students within that class/cohort achieved Good Effort, Outstanding etc.

How it benefits your school

- At a glance, classroom teachers will be able to identify the performance of their class/cohort within a particular subject.
- Identify the performance of individual classes per subject (especially to monitor performance of streamed classes or monitor spread within mixed ability classes).

Case Study Example

The data above reflects two Year 7 Science classes. It is evident that Class 7B has a higher average than the cohort, whilst Class 7C is falling behind. Looking at the graphs, it is interesting to note that not one student in Class 7C achieved beyond a 'Satisfactory' while there is a larger spread in Class 7B. It is also important to note that most of Class 7C and two students in Class 7B achieved 'Participation'. It is important to understand why so they don't fall through the gaps. Classroom teachers can understand exactly where their own students are sitting and can tailor their teaching to meet the needs of their individual students.

Reach Skill Area Results

Break it down into Skill Areas

"What does Reach assess?"

Beneath the Year Summary, you will see how your students performed in each of the Skill Areas (which differ across subjects).

**See Appendix 1 for Skill Areas Assessed across all subjects.*

From left to right you will see: How your class compared with the school average, the average raw score, the max possible score, school highest score and the questions in the test which assessed that skill area.

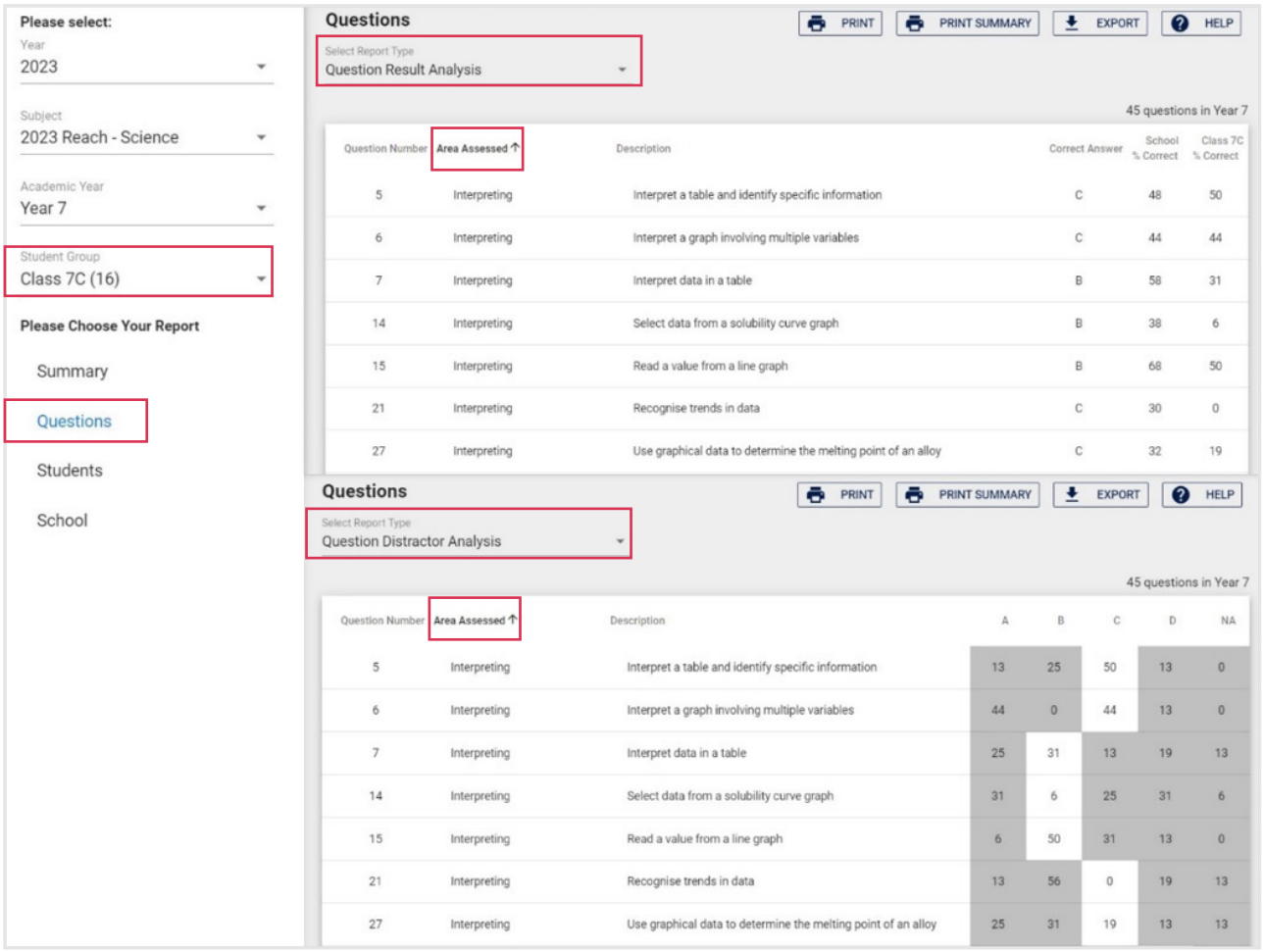
How it benefits your school

- This information is perfect to identify areas of weakness and strength of your class/cohort at a glance to inform teaching learning programs.

Case Study Example

Looking at the data above, on average, students in Class 7B are stronger than their cohort in all areas. However, noting the average score with the maximum possible score, extra work for this class is needed in the areas of Reasoning/Problem Solving and Interpreting. It is pleasing to see that at least one student in Class 7B scored full marks in all skill areas (except Interpreting). It would be interesting to see if any of them were recurring students.

Reach Question Result Analysis



Question by Question

"I wonder what the questions were about."

When selecting the 'Questions' option on the left-hand panel, you will be able to see the question number, the area assessed and description of the question. If you click on the description, the actual test question will appear. You will then be able to see the average of your class compared with the cohort average. It will also show you the correct answer to the question.

You can also change the 'Question Result Analysis' to 'Question Distractor Analysis' (see bottom image). This will highlight exactly how the students in your class answered (the shaded answers are incorrect options).

*The original view will show the question numbers in order. By pressing 'Area Assessed', it will filter questions and group them in skill areas for a concentrated view (see image).

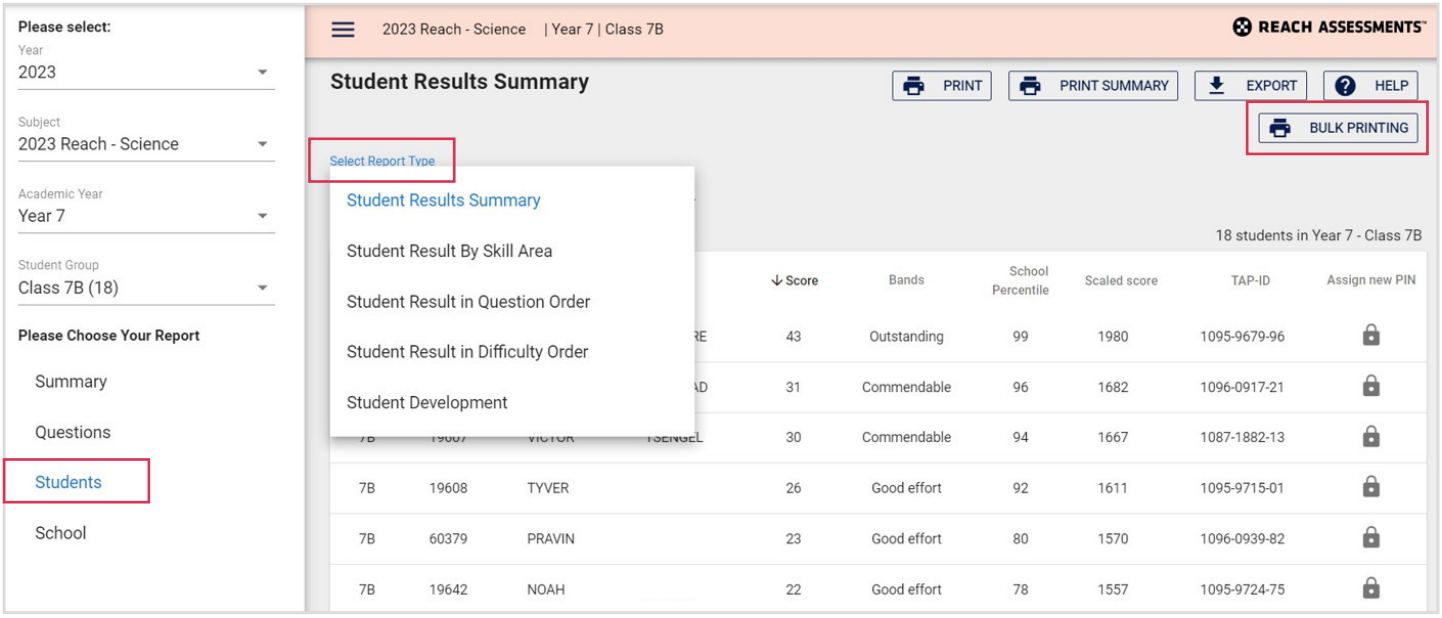
How it benefits your school

- This provides insightful information about specific topics to assist you when planning programs and reporting on outcomes.

Case Study Example

The data above is sorted by Skill Areas to easily integrate these skills when they are taught in the learning cycle. Students in Class 7C particularly struggled with Q21 compared with the rest of the cohort, with no one scoring correctly. We can see that many students thought it was 'B' followed by 'D'. I would bring up the question on the board and go through it with my students to highlight any misconceptions. These questions can be used as part of daily warm-ups and cumulative reviews.

Reach Cohort Student Results Summary



Individual student achievement

"How can I see the achievements of each student?"

When selecting the 'Students' option on the left-hand panel, you will be able to see a list of your students in the cohort / class (depending on the filter). It will show their score, band, school percentile, scaled score, TAP-ID and the ability to assign a new pin.

*Reordering data (with multiple clicks):

- Press 'Class' to sort students by class
- Press 'First Name' to sort students alphabetically by their first name
- Press 'Last Name' to sort students alphabetically by their Last name
- Press 'Score' to sort students by scores and awards- either the highest or the lowest

You can also select the type of report you wish to view and easily export those files for an overview of cohort results.

School Percentile and Scaled Score

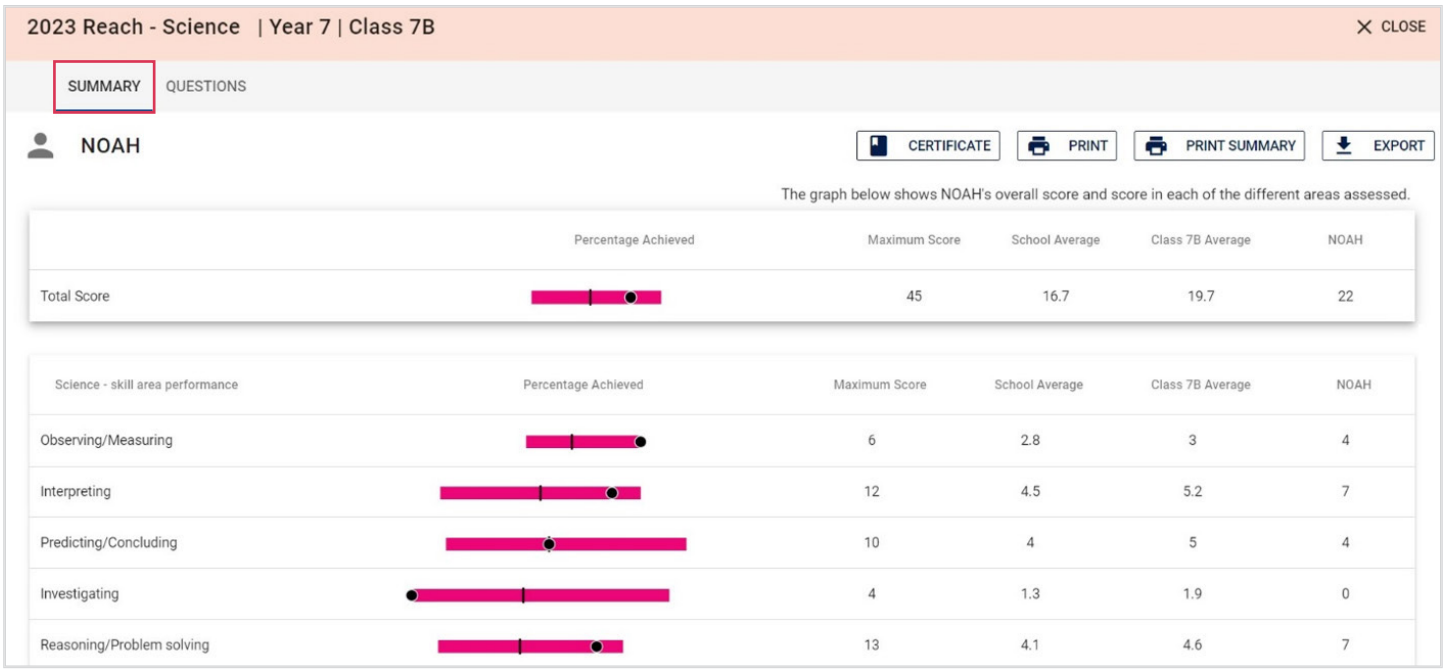
The school percentile is what percent of students are at or below that score. For example, if you have 94 in that column, then 94% of people got your score or less (i.e., 6% of people did better). The scaled score factors into account the difficulty of questions per grade level. For example, both a Year 3 and Year 4 student score 28, the Year 4 student will have a higher scaled score as the Year 4 questions are more difficult.

How it benefits your school

- Celebrate your high achievers during end-of-year presentations (certificates are available for printing by selecting 'bulk printing' and then 'certificates').
- Understand exactly how your students are performing in your classes compared with the full cohort.

**By clicking on the name of the student, you will be able to see the individual student's results on the following page.*

Reach Individual Student Results Summary



Individual Student Results

"How did each individual student perform?"

When looking at each individual student's result, you will see a summary page. If you apply a class/gender filter, you will be able to compare your student result with their class and school average. You will be able to see what your student scored in each skill area and what the maximum score was.

How it benefits your school

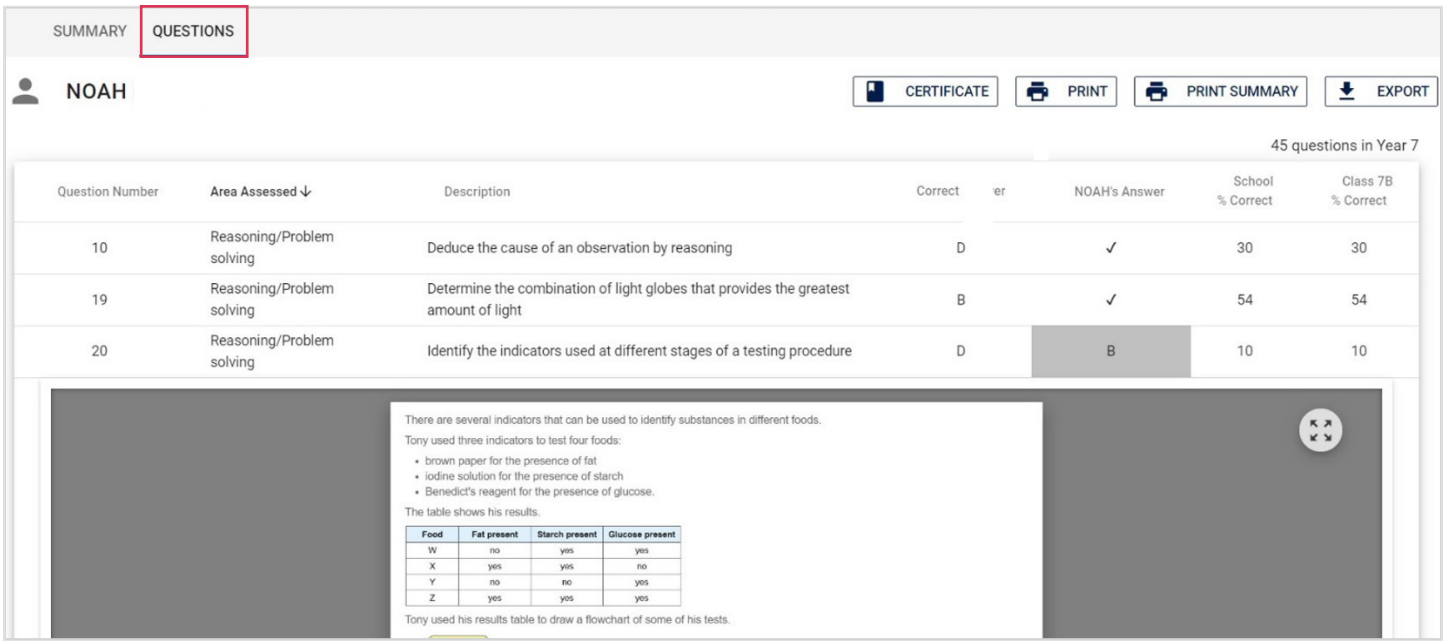
- See exactly how your students scored in each skill area and use it to inform your report writing process.
- Use it to discuss student strengths/weaknesses with parents during interviews and discuss next steps.

Case Study Example

Looking at Noah's data above, overall, he achieved 'Good Effort', achieving higher than the average student in his school. Observing/Measuring, Interpreting, and Reasoning/Problem solving are his strongest areas, working well ahead of his peers. Although Noah seems to be working beyond his class average across most skill areas, further work is particularly needed in Investigating as he scored zero in that area.

**Teachers can print off the individual student's certificate/summary of results from the top of this page.*

Reach Individual Student Results Questions



Individual student results

"How can I see the marks for each question per student?"

When selecting the 'Questions' option on the top panel, you will be able to see a list with the question number, area assessed, description of the question, whether the student got the question correct or incorrect and what their answer was, and the average of students within the school and class who got that question correct. You can also see the question by pressing on each 'Description'.

*Reordering data (with multiple clicks):

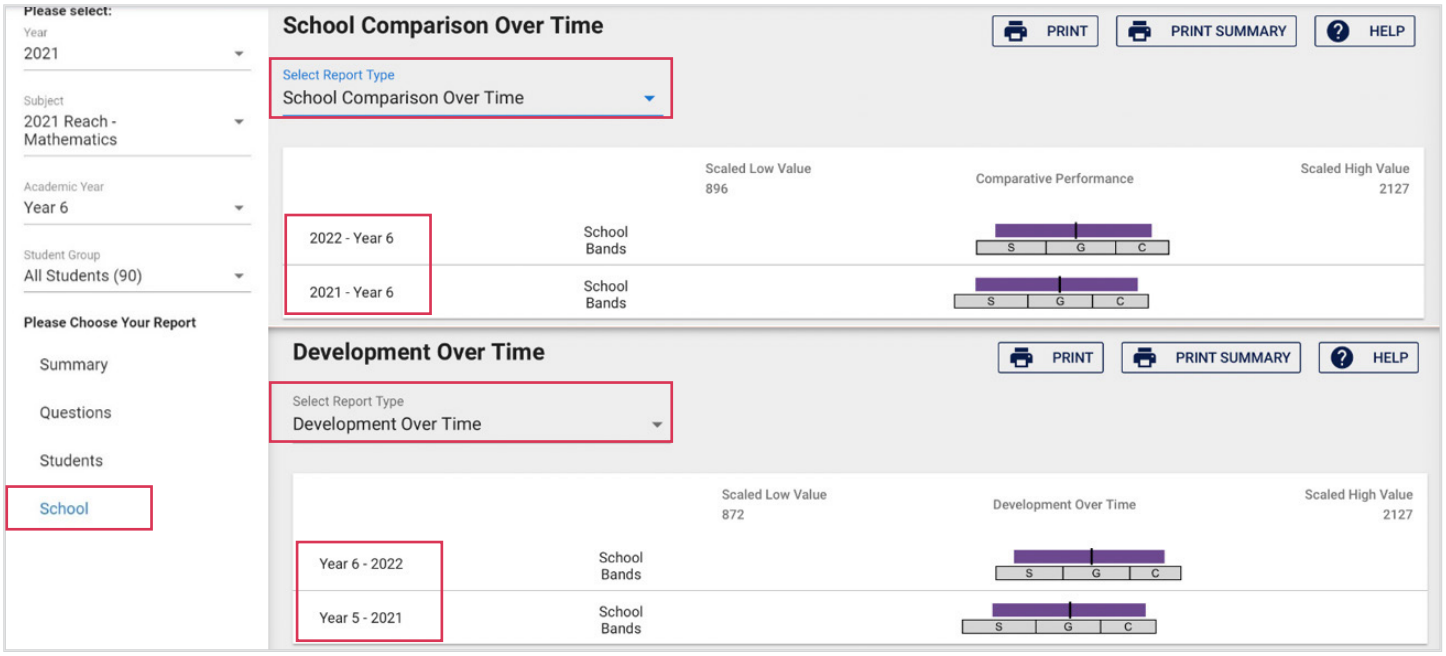
- Press 'Question number' to sort questions in order from 1-40
- Press 'Area Assessed' to sort questions by skill area (see image above)
- Press 'Description' to sort descriptions in alphabetical order (by verb)
- Press 'Student Answer' to sort questions as incorrect or correct
- Press 'Class % Correct' or 'School % Correct' to sort questions by highest or lowest %

How it benefits your school

- See exactly how your students scored in each skill area and use it to inform your report writing process.
- Use it to discuss student strengths/weaknesses with parents during interviews and discuss next steps.
- Pinpoint weakness areas of students as opportunities for improvement.

Case Study Example

Looking at Noah's data above, to further improve, he should focus on 'Identifying indicators used at different stages of a testing procedure' within the area of Reasoning/Problem solving.



School development and comparison over time

"How have my cohorts performed year-on-year?"

When selecting the 'School' option on the left-hand panel, you will be able to see a graph which shows the school comparison over time. For example, Year 6 this year vs. Year 6 in previous years. You can also change the view to see the development of the same cohort over time. For example, how a Year 5 cohort in 2021 has achieved when they transitioned into Year 6 in 2022.

How it benefits your school

- Monitor growth (or lack thereof) across the same cohort as they transition into higher grades or monitor consistent grade levels over time. (This is beneficial if you wish to map the trends in your student performance by considering what changes were made to cause significant change).
- Make informed decisions about the implementation or adjustments of programs or strategies. For example, steady achievement has occurred after implementing a specific mathematics program or minimal change has occurred between cohorts even when a mathematics program was adjusted.

Case Study Example

Looking at Noah's data above, to further improve, he should focus on 'Identifying indicators used at different stages of a testing procedure' within the area of Reasoning/Problem solving.

Appendix 1 - Skill Areas Assessed

Science (Yr 2-10)

- Observing and Measuring
- Interpreting
- Predicting and Concluding
- Investigating
- Reasoning and Problem Solving

Spelling Bee (Yr 2-7)

- Rules and Conventions
- Proofreading
- Correcting

Mathematics (Yr 2-10)

- Number and Arithmetic
- Algebra and Patterns
- Measures and Units
- Space and Geometry
- Chance and Data

Digital Technology (Yr 3-10)

- General Skills
- Word Processing
- Graphics and Multimedia
- Internet and Email
- Spreadsheet and Database
- Programming

English (Yr 2-10)

- Text Comprehension
- Syntax
- Vocabulary
- Writer's Craft

Grammar & Punctuation (Yr 3-6)

- Foundations
- Within Sentences
- Between Sentences
- Punctuation