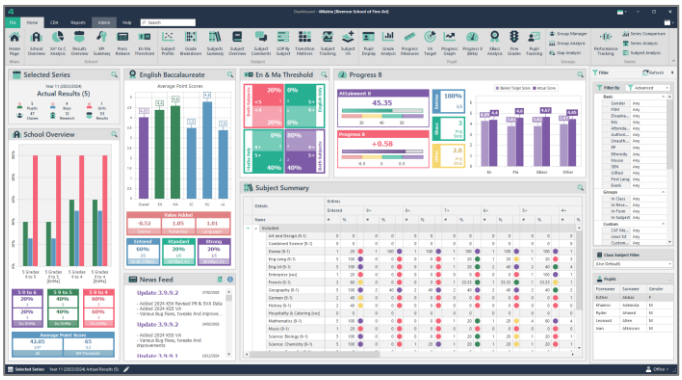
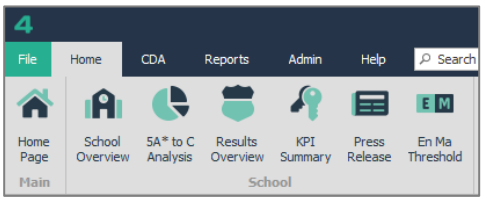
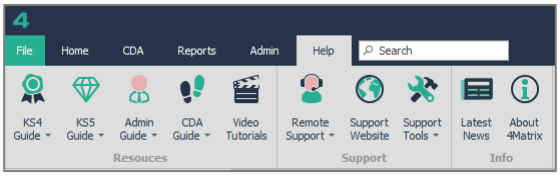


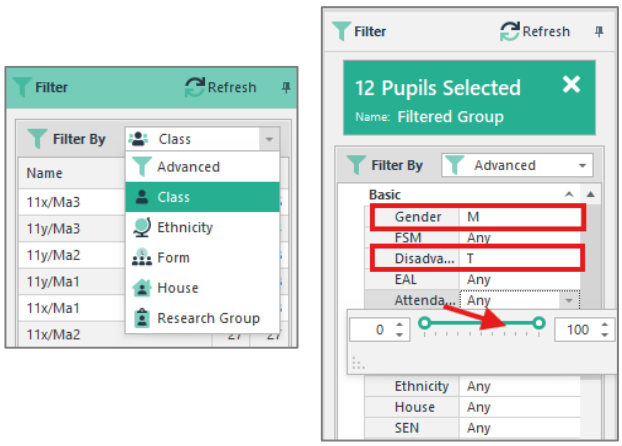
Above: Home page on opening 4Matrix



Above: Using the Tabs and Ribbon



Above: The Help Tab options



Above: The Filter controls

The Homepage

The **Homepage** provides an overview of the active data series. The name of the series is noted in the top-left, in the 'Selected Series' widget. A series simply refers to a collection of grades.

Changing Data Series

The data series can be changed from here (e.g. from Actual Results to Targets) using the **spyglass icon in the Selected Series panel**, or by using the **Selected Series** pencil icon in the bottom-left status bar.

Accessing Analysis Tools

All analysis tools are shown across the top. Open them by clicking on the icons.

Exploring the Ribbon

The **File, Home, Reports** and **Help tabs** are always visible. The **Help** tab will take you directly to guidance and support documents within 4Matrix and on our website.

Tools are grouped together under **five areas, School, Subject, Pupil, Group and Series**. SLT and Year Leaders will be interested in all students and all subjects, and so a variety of tools from each group will be used.

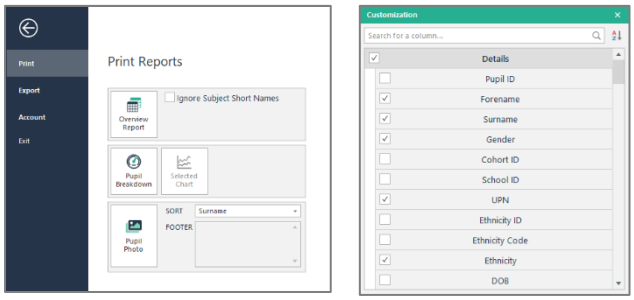
Don't be afraid to click on the tables, charts, pupils etc. Data can't be edited or deleted without Admin access, except in the Group Manager or Subject Comments tools.

Group and Pupil Filtering

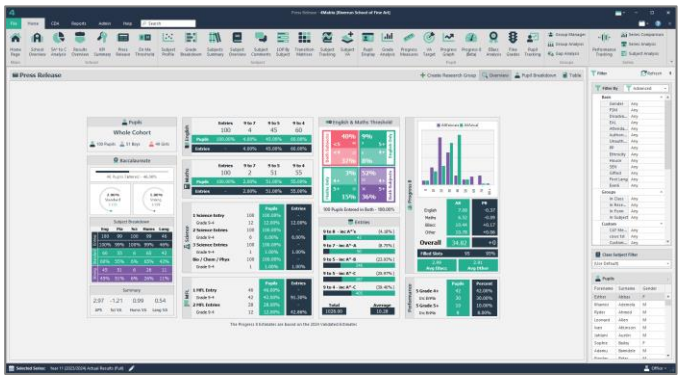
This powerful control can be used for all tools to filter by student characteristics and groups. **This enhances analysis for all tools by enabling multi-layer filtering.**

Use the dropdown menu to select the **filter type:** Class, Form, Ethnicity, Research or Advanced.

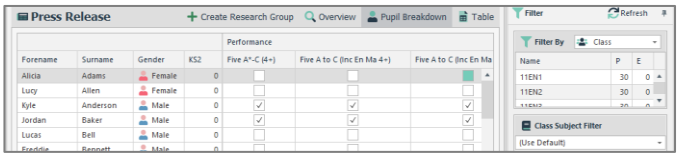
These categories are all self-explanatory except for **Advanced** – this option allows the user to apply contextual or multiple filters at the same time, for example, all **male students** in **class 11MA4** with a **Pupil Premium Status of True**. With subject tools, clicking on a Subject will automatically filter to the available linked classes.



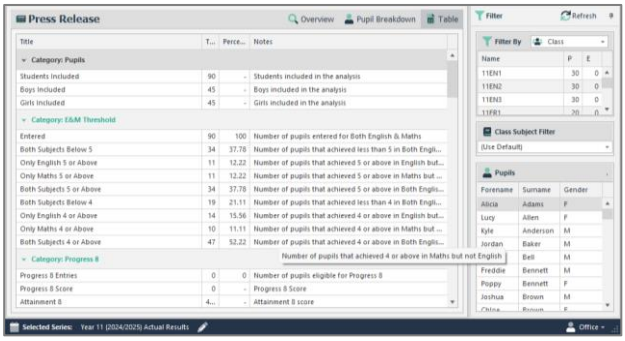
Above: Print options and More Columns



Above: Press Release



Above: Press Release – Pupil Breakdown View



Above: Press Release – Table Breakdown View

General

Several tools have the functionality listed below:

- **File > Print** button to print (including to PDF file). Some tools include photo report options.
- **File > Export** button to export to a spreadsheet.
- **More Columns** is used to add extra data fields to a table, such as PP, SEN and attendance, providing context for each student. This is accessed by right-clicking a column header in any table/grid view.
- **Create Research Group** button is used to create a custom group based on selected filter. This option is available in selected tools only.

Focus Area 1 - Press Release

The **Press Release** feature is a quick way to view the main headline figures for your school.

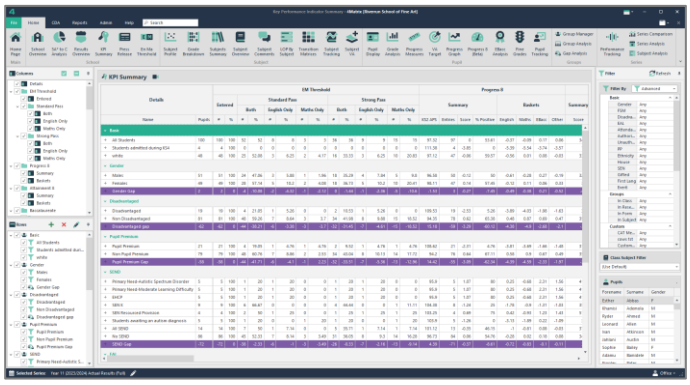
What can this tool tell us?

- It reports on the school's **key performance indicators** that are often asked for by SLT, Local Authorities and school governors.
- It presents a **balanced picture** for publication.
- Key figures include **Attainment 8** (with 'slots filled'), **EBacc** entries and points, and **English and Maths** 'basics'.

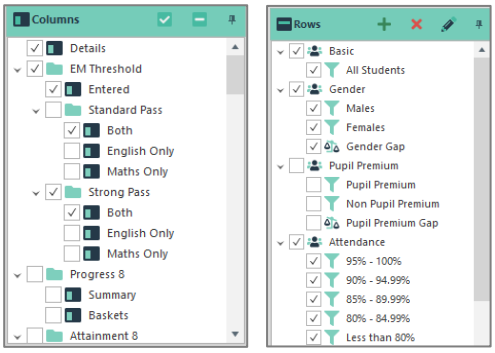
Extra Functions

- There are **2 alternative views** in this tool: **Pupil Breakdown** and **Table view.**
- This provides the **i**nformation in a different format, and these are accessed using the options to the top-right of the display.
- The main view can be **printed on a single page** via the **File menu** in the top-left of the screen.

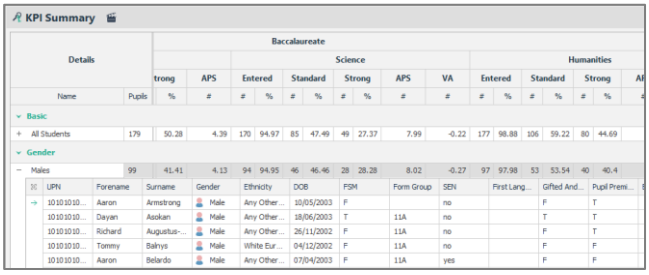
- Easy to view all main headline figures to report to stake holders.
- Use the different views - Pupil Breakdown and Table view- for detailed figures for each of the main KPIs, including at student-level.



Above: KPI Summary



Above: KPI Summary – Ability to toggle Columns & Rows



Above: KPI Summary - Expanded view to see students

Focus Area 2 - KPI Summary

This tool shows the performance of **key groups of students** under the main KPI headings of En & Ma Threshold, Attainment 8, Baccalaureate, entries and grade Performance.

What can this tool tell us?

- It is designed to investigate the extent of **'gaps'** between key groups and their converse, i.e. Males and Females, Pupil Premium and Non-Pupil Premium.

Extra Functions

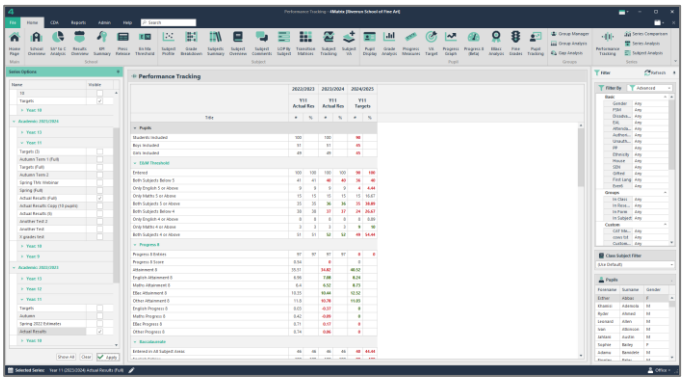
- Each KPI group (columns) can be toggled on or off by ticking/unticking the options in the **Columns** widget in the top left. This will minimise the display and help users to focus on a specific KPI.
- The **Rows** widget is used to select the key groups of students to display.
- 4Matrix Admin users can create **custom groups** and comparison rows to track key themes, priorities or contextual themes specific to your school e.g. exclusions.
- Rows can be expanded by clicking on the '+' icons to show student-level data.

- Identify key significant demographics for your cohort.
- Use A8 and En/Ma Threshold to diagnose key focus groups.

? Are the gaps improving for the key groups targeted in your Self Evaluation Form?

? Which group has the lowest A8 score? Is it expected?

? Is a particular Attainment 8 basket (En/Ma/EBacc/Open) overly impacting on your overall A8?



Above: Performance Tracking

Performance Tracking

Title	2022/2023 Y11 Actual Res #	2022/2023 Y11 Actual Res %	2023/2024 Y11 Actual Res #	2023/2024 Y11 Actual Res %	2024/2025 Y11 Actual Res #	2024/2025 Y11 Actual Res %
Progress 8 Entries	97	97	97	97	0	0
Progress 8 Score	0.54		-0.04		0	
Attainment 8	35.51		34.39		41.67	
English Attainment 8	6.96		6.96		8.82	
Maths Attainment 8	6.4		6.4		8.58	
EBac Attainment 8	10.35		10.35		12.86	
Other Attainment 8	11.8		10.68		11.41	
English Progress 8	0.03		-0.44		0	
Maths Progress 8	0.42		-0.15		0	
EBac Progress 8	0.71		0.14		0	
Other Progress 8	0.74		0.03		0	

Above: Tracking exam results across 3 years

Performance Tracking

Title	2022/2023 Y11 Actual Res #	2022/2023 Y11 Actual Res %	2023/2024 Y11 Actual Res #	2023/2024 Y11 Actual Res %	2024/2025 Y11 Targets #	2024/2025 Y11 Targets %
Pupils						
Students Included	100		100		90	
Boys Included	51		51		45	
Girls Included	49		49		45	
E&M Threshold						
Entered	100	100	100	100	90	100
Both Subjects Below 5	41	41	40	40	36	40
Only English 5 or Above	9	9	9	9	4	4.44
Only Maths 5 or Above	15	15	15	15	15	16.67
Both Subjects 5 or Above	35	35	36	36	35	38.89
Both Subjects Below 4	38	38	37	37	24	26.67
Only English 4 or Above	8	8	8	8	8	8.89
Only Maths 4 or Above	3	3	3	3	9	10
Both Subjects 4 or Above	51	51	52	52	49	54.44
Progress 8						
Baccalaureate						
Performance						
Entries						
English						
Maths						
Science						
MFL						

Above: Collapse and expand KPI sections to minimise the display and focus on specific areas

Focus Area 3 - Performance Tracking

The **Performance Tracking** tool allows users to compare and track KPIs for the same cohort, multiple cohorts, and even a combination of both. For example, it is possible to compare results analysis for 2022, 2023 and 2024.

What can this tool tell us?

- It is ideal for identifying KPI trends.
- It colour-codes the values based on changes against the value in the column directly to the left;
  - **Green:** Value has increased
  - **Black:** Value remains the same
  - **Red:** Value has decreased

Extra Functions

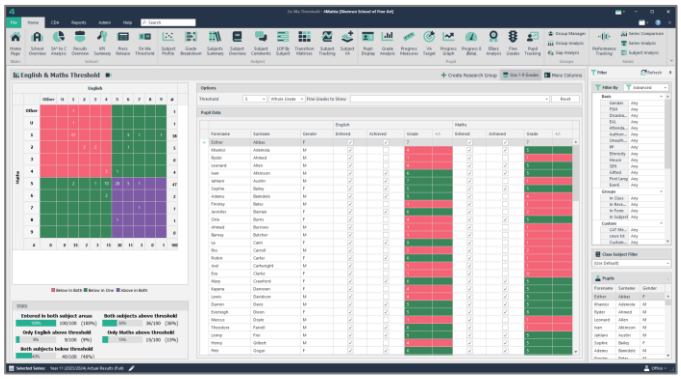
- The **Series Options** widget on the left controls series selection. Toggle the required series on and off accordingly.
- Collapse/expand key performance indicator headings to help focus on specific areas
- Use the **Advanced pupil filter** to gain contextual trend analysis - for example, Pupil Premium Attainment 8 scores through the selected series/years.

- Compare current cohort to same cohort at same time last year to benchmark attainment measures.
- Add granularity by adding demographic filters for your key focus demographic groups
- Compare the latest prediction series against a target series to see if students are on track.
- Review exam results for the last 3 years for the whole cohort and key groups e.g. PP.

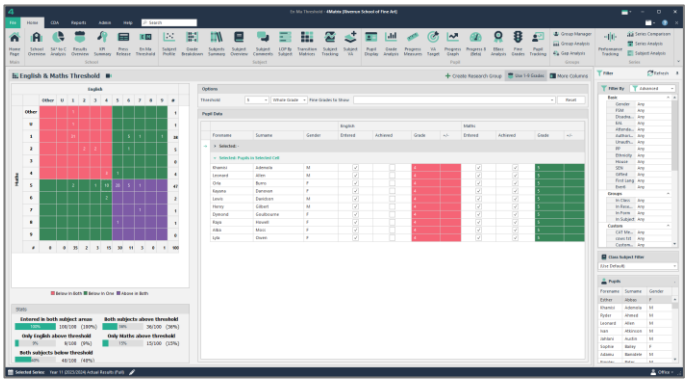
? Are contextual trends as expected?

? Are gaps being narrowed?

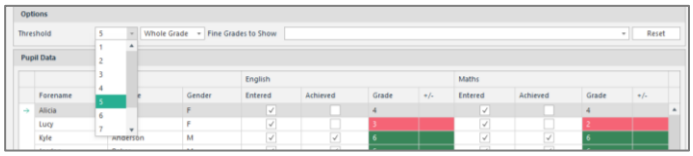
? Identify reasons for trend changes, are they reflective of internal policy or staff changes?



Above: En Ma Threshold



Above: A cell selected in the matrix which which filters the students in the grid to the right



Above: Changing the threshold grade

Above: En Ma Threshold photo report example

Focus Area 4 - English & Maths

The English and Maths Threshold tool is used to investigate and report on the English and Maths measure, sometimes known as 'EM Basics.'

What can this tool tell us?

- Easily see which students have passed the EM Threshold measure.
- Identify the students near to the threshold e.g. because they have one subject at the threshold grade but not the other.

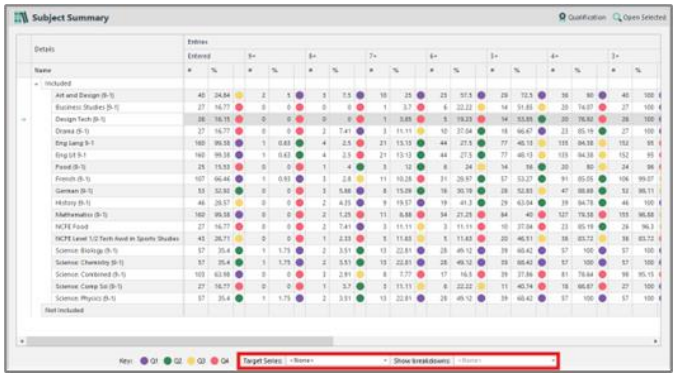
Understanding the Matrix

- English grades are shown on the X-axis, and Maths on the Y-axis.
- Students are plotted in the matrix according to their grades in these subjects.
- For English, the best of English Language or Literature is used for each student.
- The **red** area includes those who are not achieving the threshold in either subject.
- The **green** areas include those who are achieving the threshold in only one of the subjects.
- The **purple** area shows those who are achieving the measure in both subjects.

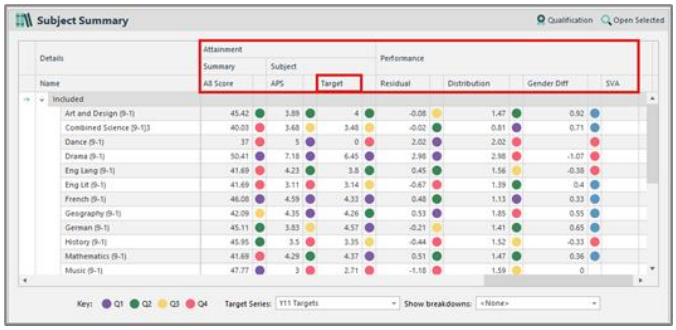
Extra Functions

- By clicking on a cell that contains a value (the number of students), the **Student Data table** will filter to show those in the selected cell.
- Use the **Options dialogue** in the top-middle of the tool to set the criteria for the threshold measure e.g. from grade 5 to grade 6.
- A useful teacher-friendly photo report can be produced that groups students according to the colours in the matrix. Go to **File > Print > Photo Report.**

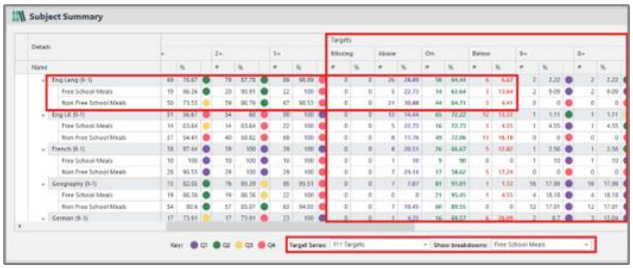
- Create Research Groups (intervention groups) for English & Maths using this tool.
- Use 'fine grading' (+/-) to identify students close to the threshold.
- Create photo reports for your heads of English and Maths for 'near miss' and 'at risk' students.



Above: Subject Summary



Above: Subject Summary - Attainment and Performance



Above: Subject Summary with Target and Breakdowns

Above: Subject Summary - Compare A8 score to subject APS

Focus Area 5 - Subjects Summary

Subjects Summary shows a range of performance measures for every subject.

What can this tool tell us?

For each subject, we can see:

- Number of entries
- Grade attainment
- Students Above/On/Below expectations when compared to a target series
- Subject attainment measures, including APS and Residuals.

Use this page to **identify areas** you may want to dive into.

- Each column can be **sorted** from *high to low* or *low to high* by clicking on the header.
- Coloured 'quartiles' **divide performance into 4 bandings**, enabling at-a-glance rankings for each measure against that of other subjects.

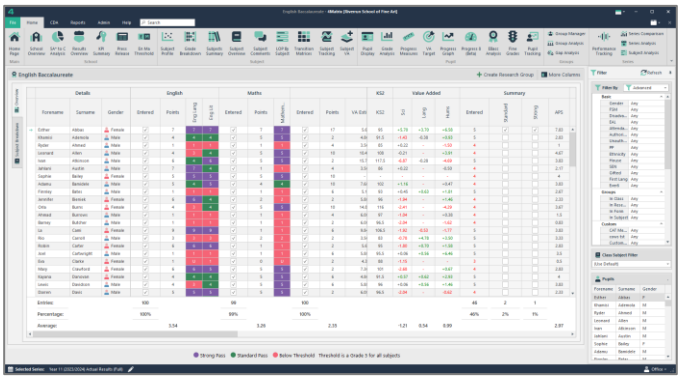
  Purple: top 25%
  Green: 50-75%
  Yellow: 25-50%
  Red: lowest 25%

- Further **expand your research** by combining measures, such as comparing your subject cohort's A8 score for their best 8 subjects to the APS in your subject only.

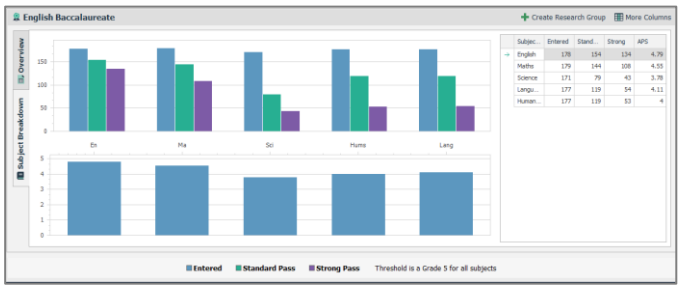
Extra Functions

- **Contextualise any patterns** you have spotted by using the **'Show breakdowns'** option for quick comparisons of the main contextual groups e.g. PP vs Non-PP.
- Use the **'Target Series'** dropdown to select a series against which to compare your data (e.g. target or last assessment). This enables the **Above/On/Below/Missing** columns and adds a useful 'Target' section.

- Click column headers to rank subjects across a range of measures.
- Identify underperforming subjects and departments.
- Apply filter to key contextual groups (e.g. PP, SEN) to identify subjects students are excelling in to share good practices.



Above: EBacc Analysis - Overview



Above: EBacc Analysis - Subject Breakdown

Focus Area 6 - EBacc Analysis

The **English Baccalaureate Overview** tool provides cohort and student-level information for the EBacc APS, entries and pass rates measures.

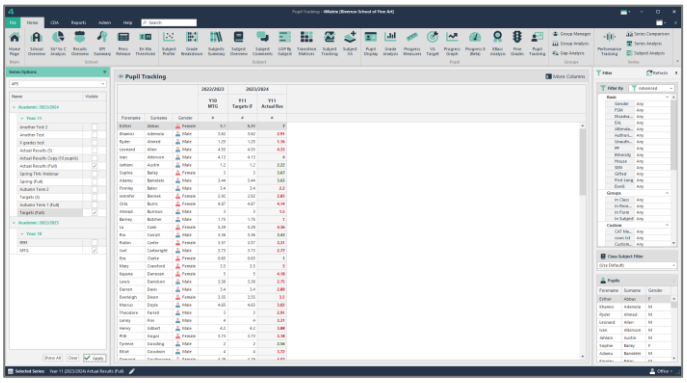
What can this tool tell us?

- Detailed breakdown of the **EBacc APS** measure at cohort, subject pillar, and student-level.
- Detailed breakdown of the entries and **Standard** (4+) and **Strong** (5+) pass rates.

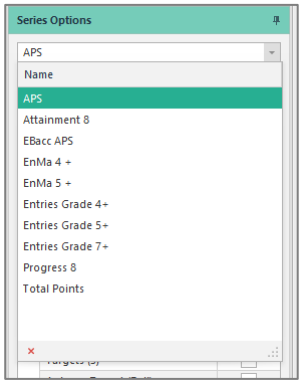
Extra Functions

- Use the **Subject Breakdown** tab to switch to chart view - graphical representations of entries and attainment.
- Use the charts to easily identify subject pillars that are **barriers to entry**, and subject pillars that are **barriers to achievement**.

> - Identify subject pillars and students requiring support to achieve a strong or standard pass and inform intervention.



Above: Pupil Tracking – Performance Measures



Above: Pupil Tracking – Performance Measure Options

Focus Area 7 - Pupil Tracking

Pupil Tracking is used to view KPI performance over time at individual student-level.

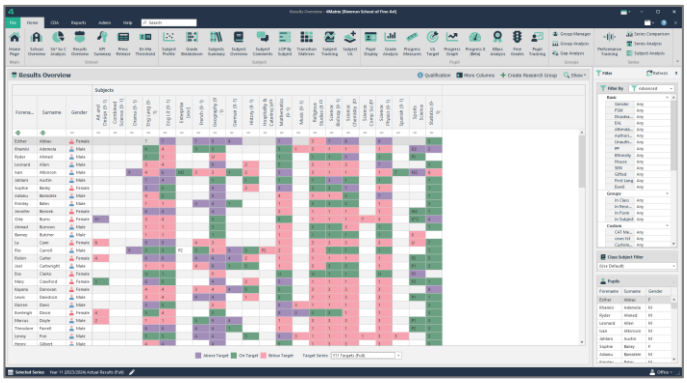
What can this tool tell us?

- This tool can be used to **determine if performance is increasing, decreasing or remaining stagnant** within a cohort.
- It can help to identify which students have an upwards/downwards trajectory.

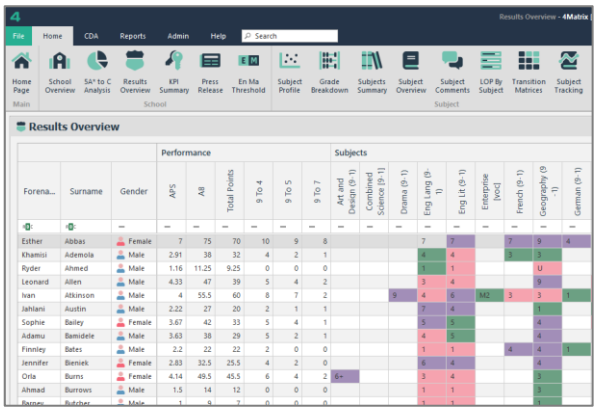
Basic Setup

- **Choose a performance measure** from the top-left dropdown (e.g. APS, A8, etc).
- Control which series to review in the **'Series' widget** and **click 'Apply'** to update the display.
- Changes between each series are visually compared directly with the column to the left;
  - **Green:** Value has increased
  - **Black:** Value remains the same
  - **Red:** Value has decreased

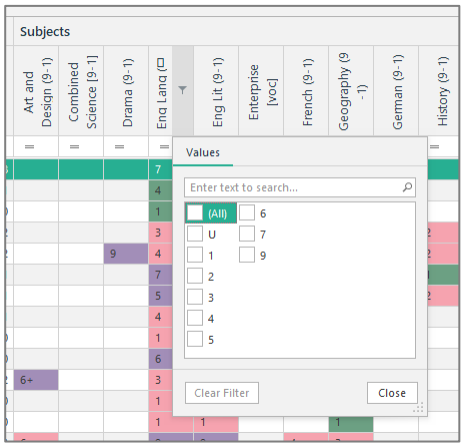
> - Change measures to identify students negatively impacting KPIs, such as Att8, EnMa 4+ and create interventions.



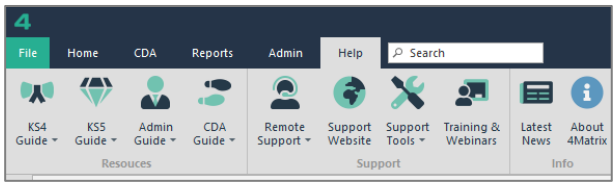
Above: Results Overview - comparing to Targets



Above: Performance columns added (APS / A8 / 9-4)



Above: Using the column filter functionality



Above: Help tab menu

Focus Area 8 - Results Overview

The **Results Overview** tool is essentially a standard broadsheet of results but with a few extra features.

What can this tool tell us?

- View all results/grades in one tool.
- Additional information includes Attainment 8 and average point scores.
- By selecting a 'Target Series' from the menu at the bottom of the screen, the grades in the main table will colour-code according to whether the current series grade is above, on or below to the comparison.
  - **Purple:** Grade is higher in active series
  - **Green: Grade is the same**
  - **Red:** Grade is lower in active series
- Spot students who are achieving or underachieving in a range of subjects as well students whose grades in some subjects are weak compared to their APS for all subjects.

Extra Functions

- Click on **Show** to add additional performance columns to the grid, including **Point Scores** and **9-1 Measures.**
- Filter/sort data by column headings.
- Click on **Qualification** to display subject details with outcome grades and points.

- Identify high/low attainers and use More Columns to add contextual data for depth.

? Identify students who are above target in several subjects. Are their targets aspirational?

? Identify students below target in several subjects for Head of Year. Is pastoral intervention required?

Further Reading and Getting Help

The Help tab in 4Matrix contains links to the full application guides, support portal and News feed.
Website: www.4Matrix.com
Support portal: https://help.4Matrix.com/
Facebook: www.facebook.com/groups/4MatrixData/
X/Twitter: https://twitter.com/4Matrix