

Data Insights

Step-by-step guide for Multi Academy Trusts

Ask the right questions of your
results and get deeper insight



Contents

.....	1
Data Insights	3
.....	3
Why Data Insights?.....	3
Where do I find Data Insights?	4
Overview dashboard.....	5
Ideas for analysis	6
Detailed View	7
Subject performance	7
Ideas for analysis	8
Component Performance.....	9
Student View	10
Student search overview	10
Ideas for analysis	12
Student Groups.....	14
Creating your Student Groups	14
Ideas for analysis	17
Download Results	18
How to download your results	18
Ideas for analysis	20

Data Insights

For Multi Academy Trusts

Ask the right questions of your exam results and get deeper insight.

Why Data Insights?

Data Insights can give you a deeper analysis of your subject results by Trust or individual school, with the opportunity to dive deeper into student results.

It has flexibility to build your own personalised reports and compare your data in clear and engaging charts.

Whether you're a:

- MAT data manager needing to pick out some key insights to share with your senior colleagues,
- Trust subject lead exploring the exam data to plan targeted intervention across your Trust, or
- Director of Education seeking a high level, comparative view of all your schools.

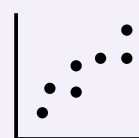
Data Insights is an easy-to-use data tool for anyone trying to get a better understanding of results and how they can be improved.

Using Data Insights, you'll be able to see a summary of the grades for each of your schools/colleges and identify trends across the Trust and within each of the schools. You can compare your results to those of previous years, the AQA national average and similar schools and colleges.

By reviewing performance data, you can gather a quick summary of your Trust's performance, identify Trust-wide areas for development and action, and offer more targeted support to individual settings that have specific needs.



Results analysis



Compare centres

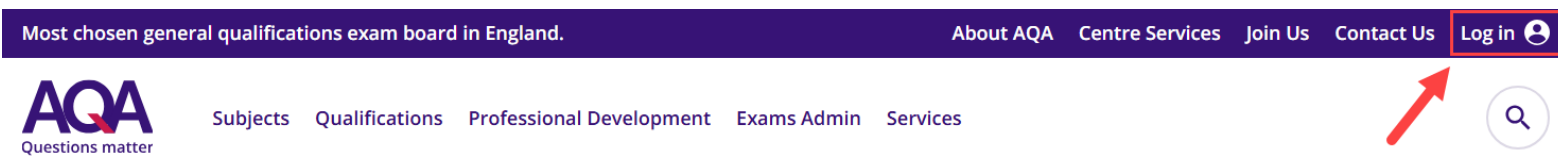


Variety of visual data

Where do I find Data Insights?

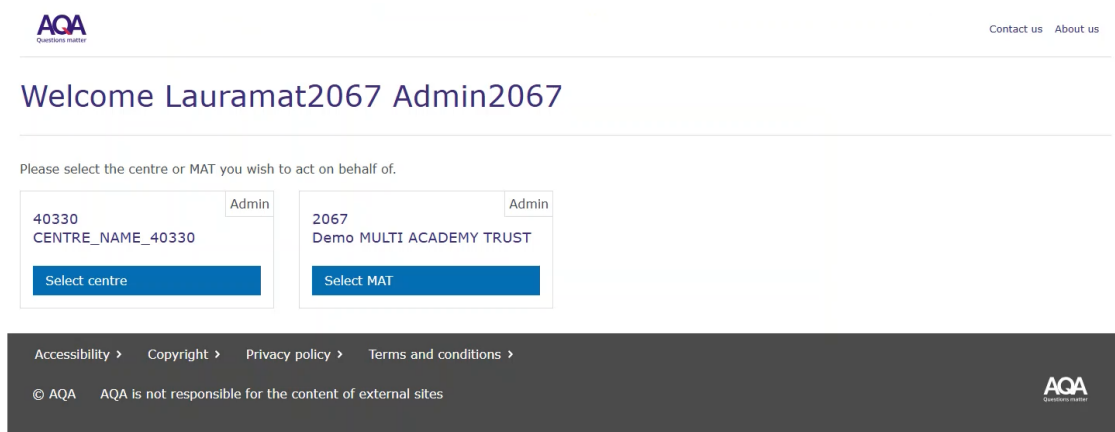
Data Insights is accessible through Centre Services. You'll find it under 'Post-exams', this is the same area that results are available for the Centre Administrator to download on results day.

You can access Centre Services through the [AQA website](#).



This will take you to the login page where you will put in the email address you registered with and the password you set up at registration.

If you already have a Centre Services account from a specific centre and have used the same email address to register for a MAT, you'll be presented with 'MAT' and 'Centre' options when you log in. Please then select which area you'd like to view.



You will be redirected to Data Insights, if this doesn't automatically direct you, you can click the link available.

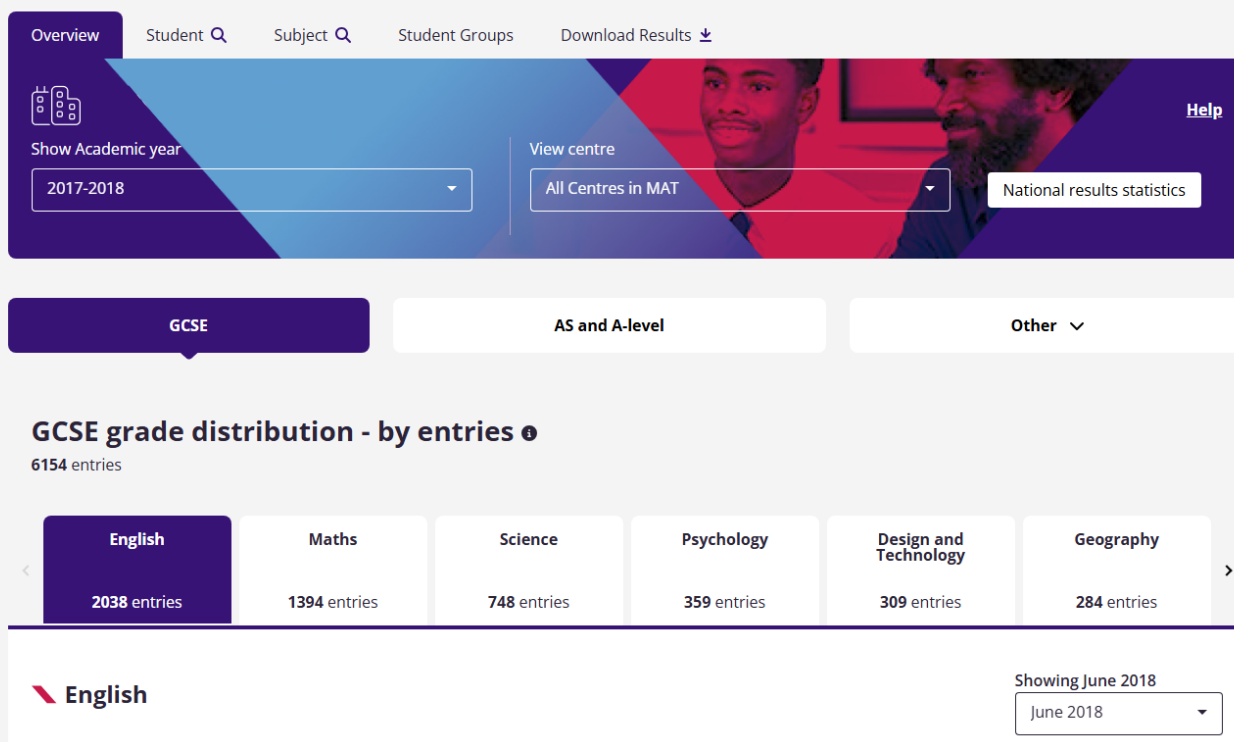
You'll be automatically logged in if you're already logged into Centre Services. If you're arriving from a bookmarked page, you'll need to log in using your Centre Services account, which will generate multi factor authentication (MFA).

The first time a MAT Administrator logs into Data Insights, they will need to accept the Terms & Conditions and the Data Sharing Agreement, this will open up the very first time you log in. They will then need to confirm MAT Centre membership and Personal Identifiable Information (PII) access rights, and if they come across any discrepancies, they must inform the Department for Education (DfE) and AQA.

Overview dashboard

You'll arrive on the 'Overview' page. This will always default to the latest academic year with data, but you can navigate which year of data you want to review from the drop-down menu, additionally, you can choose to view a specific centre within your Trust via a drop down menu.

The overview dashboard gives you a high-level view of your Trust's attainment for all specifications within your chosen academic year and session. The qualification tabs are below the header and are shown in order of most entries to least. The subjects within the qualification, below, are also in order of most entries to least.



The first data set you'll find is the **Grade distribution by entries**. This is available for every qualification and allows you to identify strengths and weaknesses at a higher level. You will see a list of your three top performing centres and your three lowest performing centres underneath these graphs which will give you quick insight into any needs for targeted support.

For schools/colleges that have entries for GCSE Maths **and** English, there is a graph that shows **GCSE highest English and Maths grade distribution**. This shows the percentage of candidates who have achieved each grade band for both GCSE English and GCSE Mathematics. Where both English Language and English Literature have been achieved, the highest grade is used.

The **Grades overview - all** graph will show for any qualification where there is data for 5 or more specifications. This combines grade information for all specifications in the qualification and plots your data alongside all AQA data and your past data. This is useful as a high-level overview of all your school/college data in one view.

As with any of the graphs, they can be downloaded as a PDF and shared with senior leaders in your school/college. The 'detailed view' button will provide a deeper view of results.

Ideas for analysis

Grade Distribution by Entries

You'll be able to quickly and easily review trends and compare the centres in your Trust to other AQA schools, and/or previous years' results.

Real world example:

If the grade distribution for GCSE English in your school is skewed towards the lower end, you can use this data to address specific challenges in this assessment and collaborate with stronger-performing schools to share best practices.

GCSE highest English and Maths grade distribution

Here you can see the entries that have achieved both English and Maths for selected cumulative grades.

Real world example:

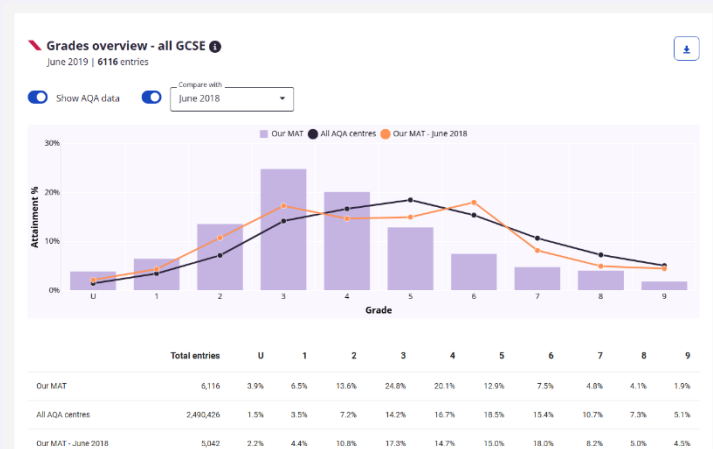
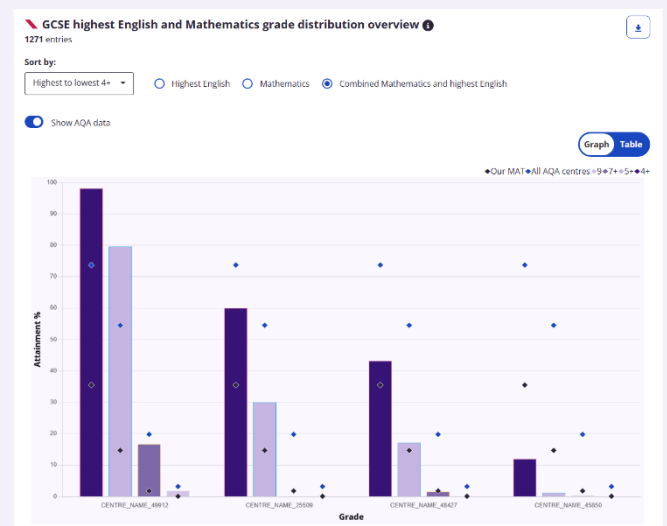
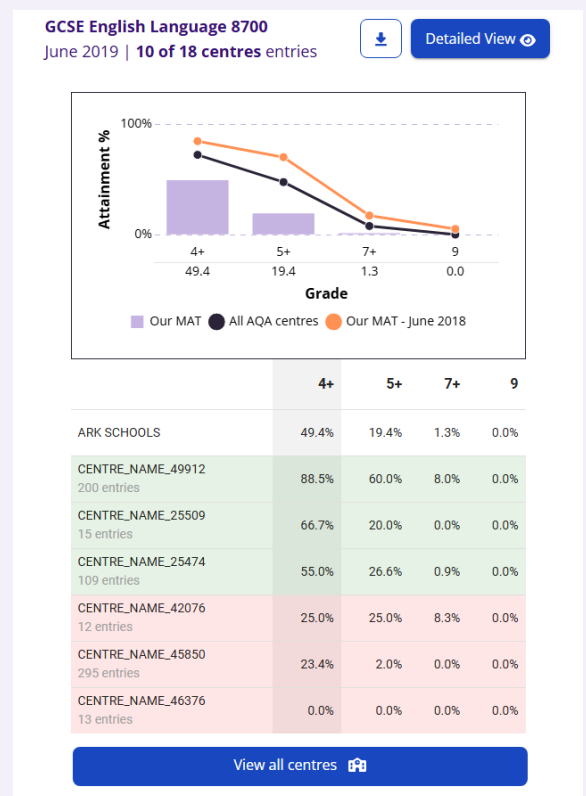
If you have schools that have entries for both AQA Maths and English, this will give you an idea about which schools are performing better than others on this combined measure. It does allow you to spot if there are issues with certain ability ranges.

Grades overview – all

This shows the percentage of students in your Trust that received a specific grade over all the specifications in a qualification. You can view previous year data via the drop-down menu.

Real world example:

If you have a lower percentage of grades 7-9 compared to the national average, it may indicate a need for targeted academic interventions. The leadership team may want to analyse trends over time and work with subject leads to develop future plans.



Detailed View

Our data analysis tools can be used to influence teaching plans and strategies for the upcoming school year. Deep dive into your subject to gain the real benefits!

Overview Student  Subject  Student Groups Download Results 

SUBJECT SEARCH

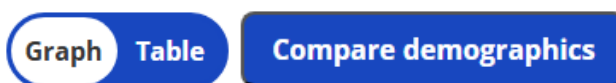
Centre * Academic year * Qualification * Subject *

Going into the detailed view of a subject opens up the data to cover more than just the grade distribution and breakdown. It also reveals performance over time, performance by component and mark distribution.

Subject performance

When you select 'detailed view' of a subject from the overview page, it will take you into the detailed subject results. You can also access this using the Subject search on the top menu bar.

If you select the Subject 'detailed view', you will be shown data that covers all components. You'll see data such as the grade distribution chart from the overview page, but you're now able to show all grades and compare demographics in an overlay when you select the blue 'Compare' button. With many of these graphs, you're able to toggle between the way you view your data, either as a graph or a table.



Once you're looking into a specific subject, you'll be able to navigate to the components of that subject via the drop down menu. But there's more to see at subject level, you're now able to view, by centre, **grade distribution overview**, **grade performance by year** and **mark performance by component**. Once you've reviewed the subject overview, you may want to view in greater detail performance by paper, and eventually drill down into skills and topics and centre/student performance.

If you are viewing a specific centre in your Trust, you will have a 'show MAT data' toggle which allows you to compare that centre to your MAT average.

If you have entries for multiple awards within the same specification, you can now see the combined results, as well as be able to view individual awards.

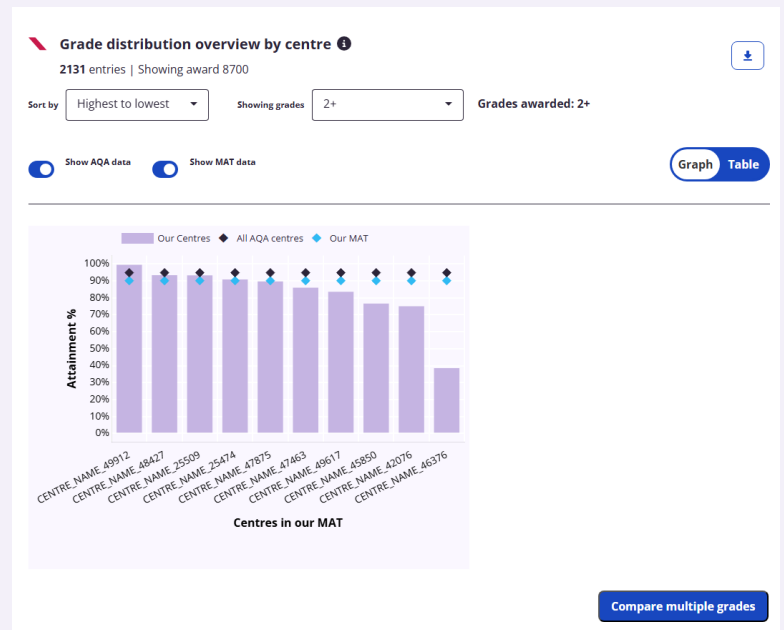
Ideas for analysis

Grade distribution

This shows attainment at individual grades and can be compared to various datasets.

Real world example:

Here you can see if one of the schools in your Trust are above or below the MAT average/AQA average. Is this what you were expecting?

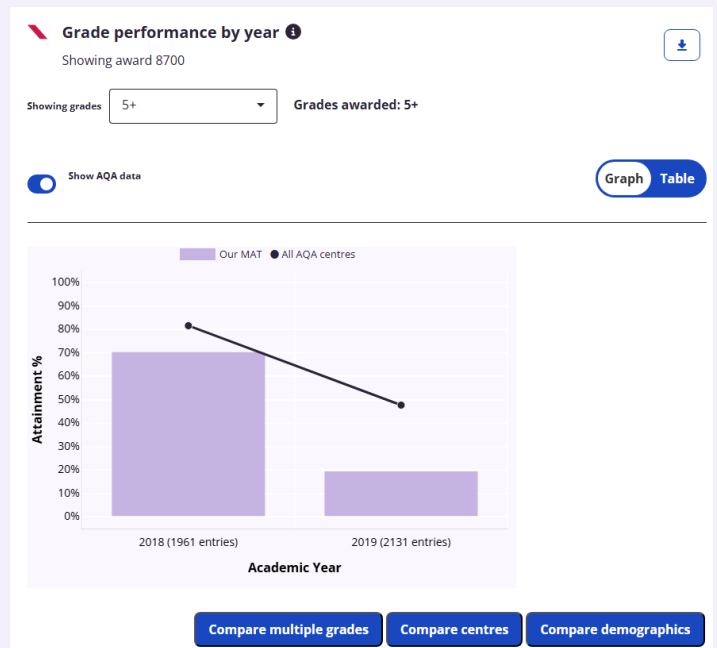


Grade performance by year

This graph shows your MAT average of grade performance in comparison to other years that you have data for this subject.

Real world example:

You can spot quickly if you have any years with lower or higher statistics. So if you have a change in teaching staff, you'd be able to note performance across the lifespan of the specification.

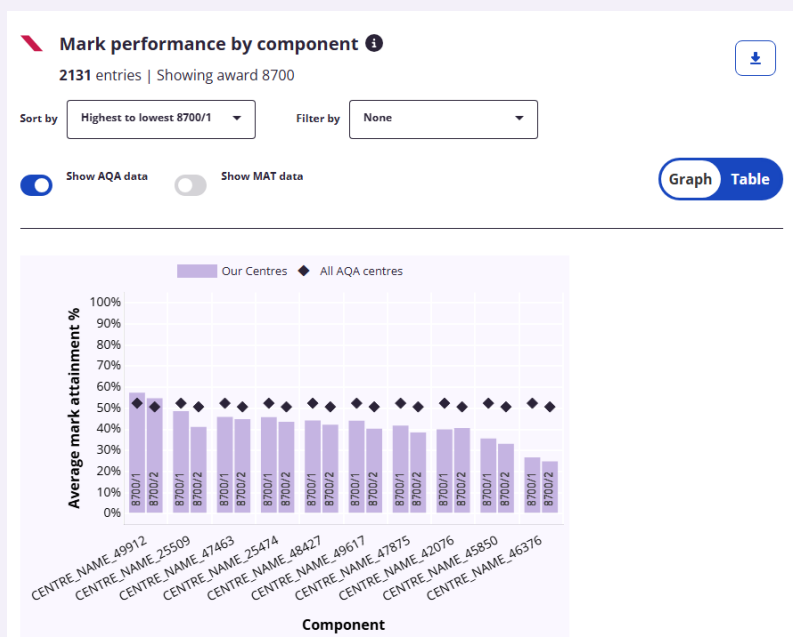


Mark performance by component

Here you can see your exam performance for all components that make up your selected award next to each other and compare them with other MATs that have entries in that subject.

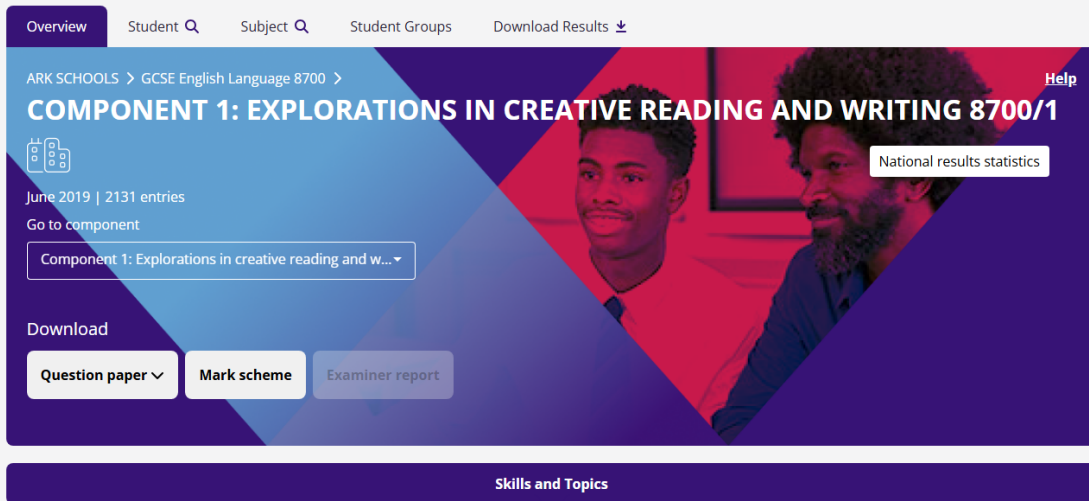
Real world example:

If students in English consistently perform lower on an essay-based component, this may suggest a need for more structured support in long-form writing and idea formulation. Department leads could introduce targeted writing workshops and model answer breakdowns to support teachers.



Component Performance

When you delve deeper into the individual components you'll be able to analyse performance by skills and topics, question analysis and mark analysis. You can also download the question paper and mark scheme for that component. When available, you can also download the examiner report.



Assessment objectives overview

This graph shows how the marks achieved within your MAT contribute to each assessment objective/skill/ topic

Real world example

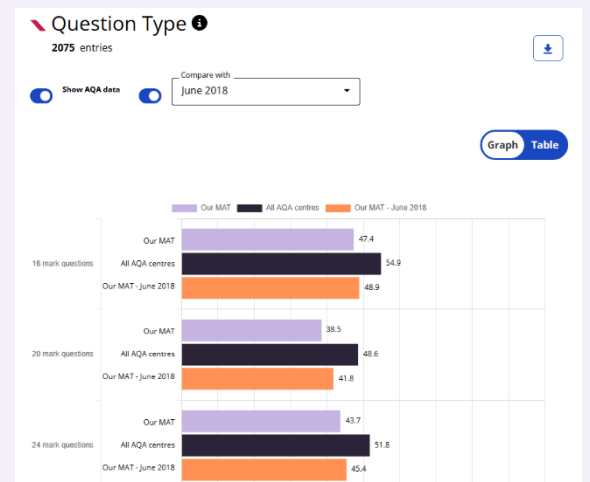
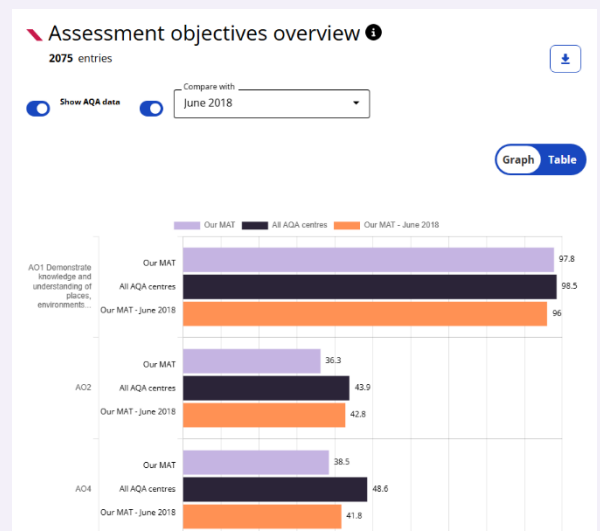
Your students in one class have excelled in their AO2 questions, but in another class appear to have struggled, this will give you opportunity to address any issues quickly and focus planned CPD more effectively.

Question type

This graph shows each question type for the paper and how your MAT has performed on average.

Real world example

You may notice that your school is better at the one-mark questions or longer essay type questions – schools could introduce targeted writing workshops and model answer breakdowns to support students.



Student View

Many teachers use our data analysis tools to influence their teaching plans for their upcoming school year. You can gather a summary of students' performance and compare results to those of previous years. You will need to know their related centre to be able to view any individual data as their data is associated with the centre that their entries are linked to.

Student search overview

By delving into 'Student' view, you can get a comprehensive view of a student's performance. The student search can be populated in any box, so if you only had the surname or candidate number of a student, you'd be able to find them.

The screenshot shows the 'STUDENT SEARCH' interface. At the top, there are navigation tabs: 'Overview', 'Student' (selected), 'Subject', 'Student Groups', and 'Download Results'. Below the tabs is a search bar with the title 'STUDENT SEARCH'. The search bar contains five input fields: 'Last name', 'First name', 'Candidate number', 'Academic year*' (a dropdown menu), and 'Centre*' (a dropdown menu with 'All Centres in MAT' selected). A blue 'GO' button is located to the right of the search fields.

Once selected, it will take you into the entire grade history of a student. From here you can go into a view of their results from either award, unit or component.

If you select detailed view, you'll be able to see data on the overall performance of a student within the subject level. You can further drill down into component on a drop-down menu at the top of the screen.

The screenshot shows the student profile header. It includes the text 'Student Search >', the student's name 'BAGNASCHI, TRISH 2004', and 'DOB: 10 June 2001'. There is a 'Help' link and a 'Female' indicator. Below this, the 'CENTRE_NAME' is listed, along with ULN: 2161604545, UCI: 100150939535Y, and UPN: V208280805052. A button for 'National results statistics' is also visible.

June 2019

A-level English Literature 7717AA

Grade: E

144/375 marks achieved (38%)

June 2019

Detailed View

Component 1A: Literary genres - aspects of tragedy 7717/1A 40% of total marks

60/150 marks achieved (40%)

View component

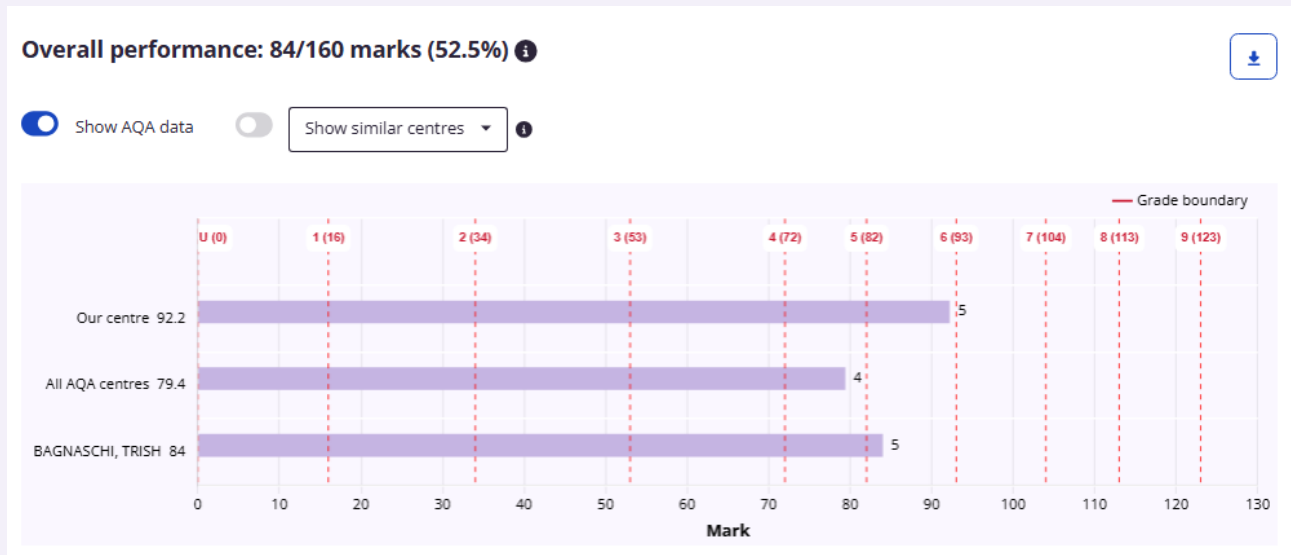
Component 2A: Texts and genres - crime writing 7717/2A 40% of total marks

42/150 marks achieved (28%)

View component

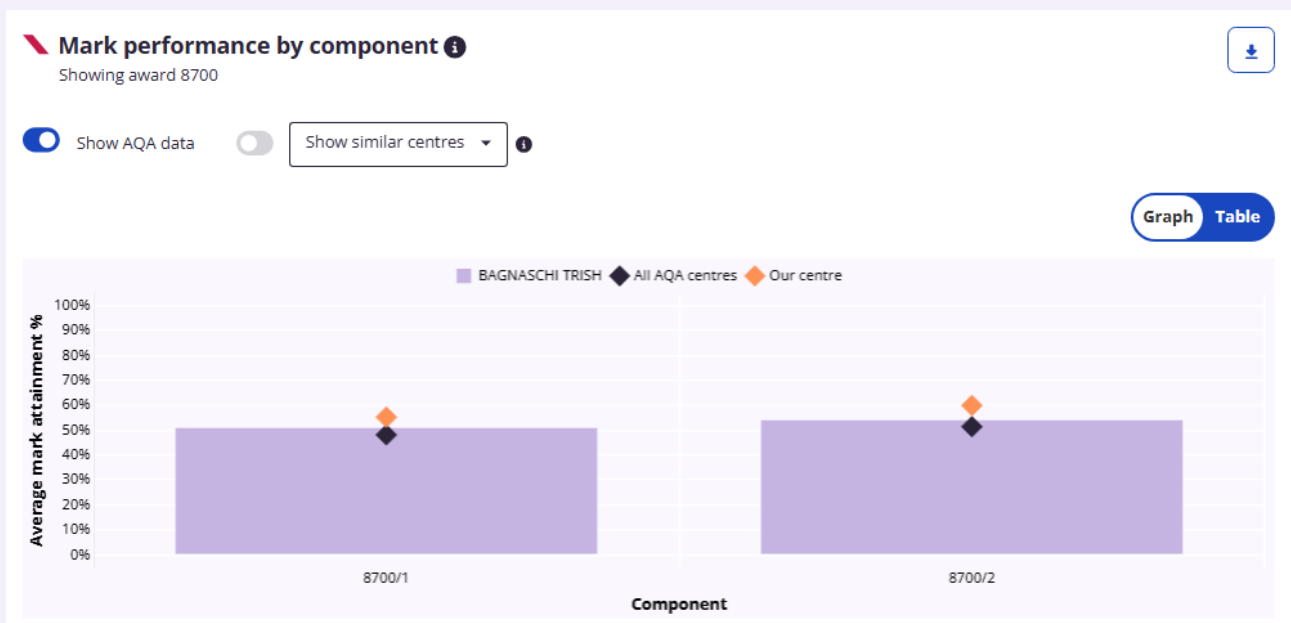
Overall performance

This graph shows a students' mark and grade in comparison to your chosen school/college and all AQA centres. This can help you see the difference between your overall student average and your chosen individual student. Again, the grade boundaries are displayed as default, which may inform your decision to request a Review of Marking.



Mark performance by component

Here you can see what marks an individual student has achieved on each exam for the overall subject. You can easily compare their results with other students in your school/college, and to all AQA centres.



Ideas for analysis

When you click into component level, you're able to select from two different data journeys, **Skills and topics** and **Question analysis**. This allows you to really dive deep into the data and review a student's performance; their strengths and weaknesses.

Change component

Component 1A: Literary genres - aspects of tragedy 771...

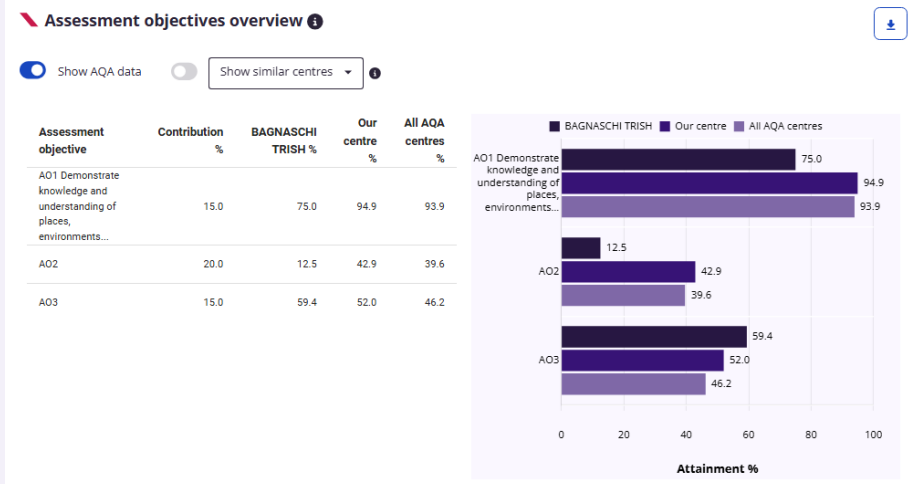
Skills and topics

Question analysis

Under skills and topics, you'll be offered a look into the assessment data for your chosen student on the paper you are reviewing. This may vary due to subject, but will cover assessment objectives, topics, skills, specification references and question types.

Assessment objectives overview

Here you're able to see an overview of how your student has performed in specific assessment objectives (AOs). This can be compared to your school/college and all AQA centres.



Question types

It's useful to see at a glance the types of questions that students performed well/poorly on. This graph identifies types of questions that you can use as model answers or areas that might need work going forwards.



Real world example

It may be that your average score for the 24-mark question is 8, you could put teaching plans in place to support writing technique.

When reviewing **Question analysis** you're able to filter through the individual AO types and the question types. Giving you the opportunity to really assess your student's understanding of the content and assessment objectives.

Skills and topics

Question analysis

Filter by AO

Select

Filter by question type

Select

In this section you're able to see the maximum marks available, the marks that your student received, and you can compare these to your school/college and all AQA centres.





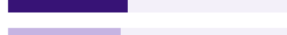


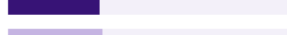










Question results breakdown ⓘ

Show AQA data



Show similar centres ⌵

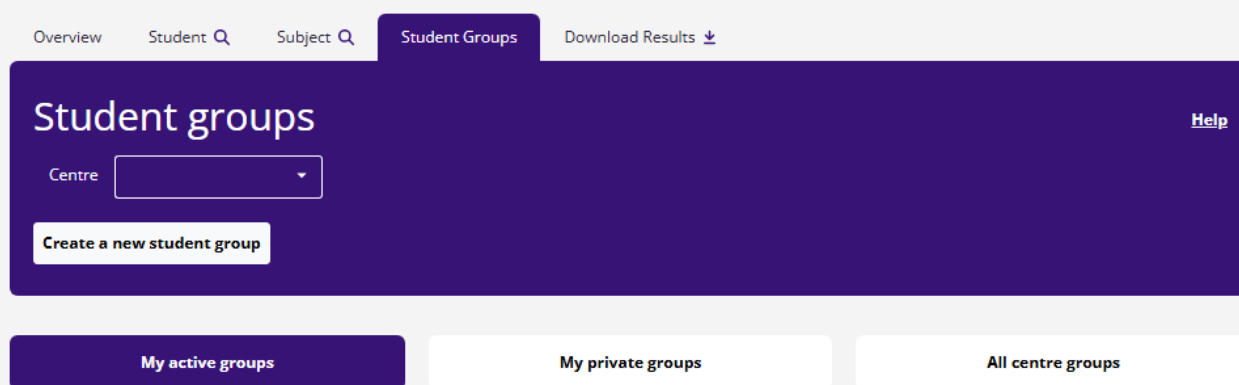


A1	<p>Max marks 4</p> <p>Student marks 3 </p> <p>Our centre 3.8 </p> <p>All AQA centres 3.8 </p>	⌵
A2	<p>Max marks 8</p> <p>Student marks 1 </p> <p>Our centre 3.4 </p> <p>All AQA centres 3.2 </p>	⌵
A3	<p>Max marks 8</p> <p>Student marks 2 </p> <p>Our centre 2.6 </p> <p>All AQA centres 2.7 </p>	⌵
A4	<p>Max marks 20</p> <p>Student marks 8 </p> <p>Our centre 9.8 </p> <p>All AQA centres 8.2 </p>	⌵
B5A05	<p>Max marks 24</p> <p>Student marks 17 </p> <p>Our centre 14 </p> <p>All AQA centres 12.1 </p>	⌵
B5A06	<p>Max marks 16</p> <p>Student marks 10 </p> <p>Our centre 10.3 </p> <p>All AQA centres 8.8 </p>	⌵

Student Groups

The 'Student Groups' functionality is a powerful tool to support detailed analysis of exam outcomes to identify possible areas for action and development, and to target any actions to specific groups within specific cohorts. You can access the Student Groups tab from the main page in the top bar.

This is available on a centre basis as the student entries are linked to their centre, so you will need to set up student groups to specific centres within your Trust.



Creating your Student Groups

- a. As you select the Student Group tab, there's a 'Create a new student group' button which will give you the option to narrow down the specific information you need for your student group. When you've built your first student group, they will appear under the tab 'my active groups'.
- b. To create your groups, you'll need to populate the following in descending order:
 - Centre
 - Group Type (Class/Demographic/Other)
 - Academic Year
 - Session
 - Qualification
 - Subject group (you can select 'all')
 - Gender
- c. Once these areas are completed, it will show a blue button to 'Show matching students' which will show students that meet the filter criteria. You'll be asked to select the students you want to include in your group, and then select the final options. These final options are not filters but rather to name the group and access control.
- d. Give your new group a sensible name. Best practice would be to have subject and group designation or teacher initials, just to avoid the chance of duplication if someone else also creates 'Set 1'. Year is optional because groups are specific to exam series, but it's easier to navigate if you identify specific groups clearly.

- e. You can set access permissions on your student groups. So, if you set your permissions as 'share with other users' your group will be shown in the 'all centre groups' tab. When you choose to share the group, you can also set whether to allow others to edit it. If you set permission to 'private group' this will only be seen by yourself and the main admin for your school/college and it will be listed under 'my private groups'.
- f. Once you're happy with your selection, you can create your student group, which will cause a 'successful' pop up window. Once closed, if you have less than 10 active groups, you will be able to see your created group in your 'active groups'.
- g. If you have fewer than 10 groups active, then any new group will be automatically activated. A group needs to be activated in order to be used in Data Insights. The maximum number of groups that can be activated at any one point is 10 per user. You can activate and deactivate using the check box on the right-hand side of your group. If you have 10 groups activated and create another, you will be presented with 'All centre groups' and your group will be in an inactive state.

Changing active groups makes them immediately available on the report screens. You can add shared groups from All centre groups, or add your own new ones.

Group type: All | Session: All | Qualification: All | Subject: All | Filter: []

Group name	Type	Session	Qualification	Subject	Students	Created by	Active
Class 1 Y11	Class	June 2019	GCSE	English	1	[]	<input checked="" type="checkbox"/>

Group Ideas to consider:

- Teaching classes
- Groups by ability (target grade/prior attainment)
- Pupil Premium (PP) and non-PP
- Free School Meals (FSM) and non-FSM
- Special Educational Needs (SEN)
- Intervention
- Attendance

In these latter suggestions, you may need to consider 'ability', so you're comparing like with like.

It's worth noting that when you create a group for the first time, it will only be available once AQA has calculated the group's aggregate value. As this can contain a significant amount of data, this will take approximately an hour. This is also true for if you go in to edit a group. A group that is not yet ready to be used will say 'updating' next to it.

Looking at groups created by colleagues in ‘**All centre groups**’ also has the functionality to edit or delete a group. This is available to you and the Data Insights main administrator on any group that you have created, including if you did not give permission to edit. Other staff members in your organisation will be able to edit students in the group if you selected ‘allow others to edit this group’.

My active groups

My private groups

All centre groups

These are all the groups created for use by anyone in the centre. Mark as active to add groups to your active groups for immediate use.

Group type Session Qualification Subject Filter

Group name	Type	Session	Qualification	Subject	Students	Created by	Active
Laura's Y11 Class	Class	June 2019	GCSE	All	7	Laura Bristow	<input checked="" type="checkbox"/>
Year 115	Class	June 2019	APG	All	4	Veera Raj	<input type="checkbox"/>
Chris 2024 10064	Class	June 2024	GCE	All	5	Chris Revell	<input type="checkbox"/>

When you select to edit a group, it will show all students that meet the filter criteria, and the students that are in your group will be highlighted by the ‘include’ checkbox. You can check and uncheck the ‘include’ checkbox to add and remove any students from the group, you can’t edit the criteria once you’ve set it.

To view a group without editing it, click on the group name in the group list. This will show the filter criteria applied when the group was created and the students that have been selected for this group.

Ideas for analysis

You may set up your groups according to whatever criteria suits you, however here are a few examples:

- a. Groups by ability – what did the high achieving groups appear to struggle with? Where did they excel? Which questions/topics/skills proved most challenging for the different ability groups?
- b. Groups by teacher – did any specific groups stand out in performance in a particular question/topic/skill? What did they do differently? Resources/timing/lesson structure/content?
- c. Intervention groups – did the group receiving a specific intervention do better in any aspect of the assessment?
eg PP/FSM vs matched ability non-PP/FSM. Which question types/topics/skills did they do better/worse/the same in?

You're now able to navigate to 'Subject' to dive into the detail of your selected groups' performance compared to your whole cohort and the AQA cohort.

Click into Subject, select your chosen year, qualification and subject, select 'go'. Student groups are available in the specification overlays (where you see a blue 'compare' button), component level graphs on the skills and topics tab and download results.



Download Results

Downloading results from Data Insights and analysing them in a spreadsheet offers great flexibility, allowing you to tailor your analysis to meet your specific needs. This is also done per centre.

Overview Student Q Subject Q Student Groups Download Results ↓

Download Results [Help](#)

Available reports

Create a new report

Subject Reports

Centre Academic Year Subject Filter

All All Enter keyword

How to download your results

Once you've selected the 'Download Results' tab, you'll be taken to the main page to view and create reports. You'll be able to create your reports from here, using the 'create a new report' button. Your reports will be created immediately and will be available for 28 days.

All downloaded reports will have the centre number and date the report was downloaded but please check the title of each spreadsheet to ensure you are working with the correct data – rename as needed.

- Once you've selected 'create new report' a window will pop out with menu selections.
- From the popout menu selections, fill in, in descending order, the centre, year, session and subject information in as much detail as you need.
- Remember to check the box if you want to include question-level marks.
Note: you need to select down to 'Tier/pathway/unit' level to enable the checkbox for question level marks (QLM).

d. Click 'Create Report'.

Create a new report ✕

Centre *
CENTRE_NAME

Academic Year *
2023-2024

Session *
June 2024

Qualification *
Select

Subject

Specification

Tier / Pathway / Unit

Component

Student Groups

Include question level marks

Create Report Cancel

Note: You can create a single report on multiple subjects, or for all subjects for a specific qualification type.

e. You'll receive confirmation that your report has been created, and the opportunity to either close the window or create another report. When you close the window, you'll see that your report is populated in the main window ready to download in CSV format. It will be highlighted green and bold until you have downloaded it, then it will remove the highlight and say downloaded.

Subject Reports

Academic Year: All | Subject: All | Filter: Enter keyword

Report Name	Created	Subject ↑	Created By	Status	Download
June 2024 Functional Skills	22-Jan-2025	All		Downloaded	↓
June 2019 GCSE English Literature 8702 8702 QLM	22-Jan-2025	English		Available	↓
June 2019 GCSE English Language 8700 8700 QLM	22-Jan-2025	English		Available	↓

f. The download is delivered as a CSV file unless you include 'QLM' when it will download as a zipped folder, each component on a separate spreadsheet.

Ideas for analysis

Grades overview

- Simply sort the 'Result Grade' column and you can easily summarise the number of students getting each grade, either by grade or cumulatively.
- Compare this information to your predictions. How many students are above or below predicted grade? Could you use this to inform prediction making to get even more accurate?

Marks analysis

- You can use 'Conditional formatting' to quickly compare student marks to the maximum mark for each question. This is a quick visual way to see which questions were relatively easier or harder for the cohort, and can help see nuance that may be lost just looking at the average scores.
- Summary data is useful for a quick glance, but it can be easier to compare if you convert the average scores into an average stated as a % score of the maximum mark (so you can compare questions that have different mark tariffs).
- When evaluating performance on different questions, remember that some subjects have a ramping structure. Questions towards the end of the paper are often more challenging, so you'd expect lower average marks.
- If you have tagged questions by skill or assessment objective, this can also help identify if there are specific skills or question types that students do better or worse on.
- Remember to compare the 'All AQA' averages for an indication of what the full national cohort found easier or harder, and look for exceptions where your cohort didn't follow the same trend.
- Review individual student performance on key questions. Identify any students who performed above their overall grade outcome. Request their scripts to use authentic examples in the classroom, not just those from top performers.

Groups analysis – key questions

- Which groups performed best/worst? Does this fit into the expected outcomes?
- Do any individual groups show performance overall, or on specific questions, that doesn't follow the expected trend? What did that class and teacher do differently that could account for this difference? Can any insight be learned from and shared?
- How did the Pupil Premium (PP) students compare to non-PP students? You may want to only compare PP students against non-PP students of similar prior attainment.
- How did FSM/EAL/SEN/other categories perform?
- Is there a gender difference?

