

5.2.20 Subject Results → Subject Analysis



TrackOne
S T U D I O

This document will assist you in navigating through the Learning Analytics Suite as both an Administrator, and as a set user type with fewer permissions enabled in their setup, ie. Staff or Student. Please carefully review all instructions set out in the Help Documentation made available.

If you require further expansion or assistance at any point in the document, please do not hesitate to contact TrackOne Studio Support through the Help Desk by sending an email to helpdesk@trackonestudio.com.

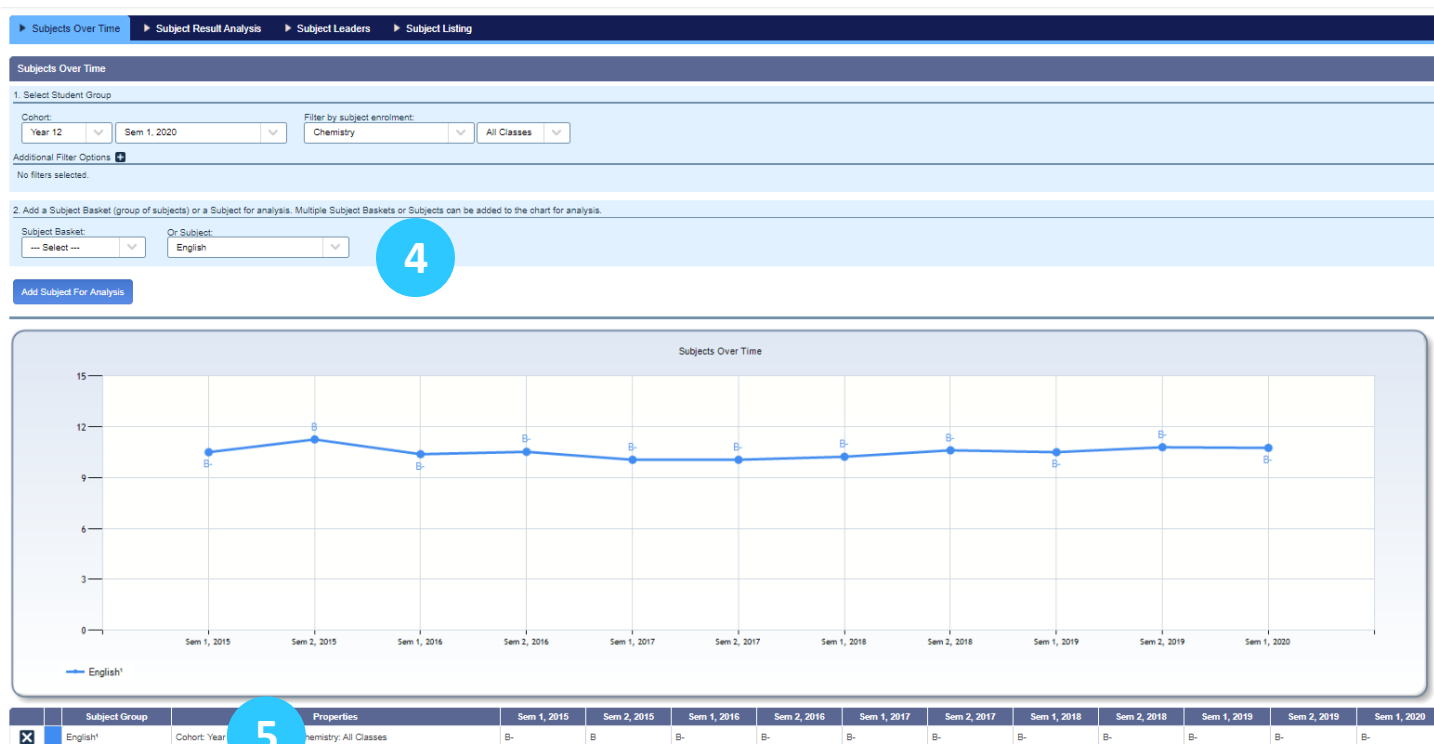
Subject Analysis

The **Subject Results** area contains an academic summary of students in a particular subject.

The screenshot displays the 'Demonstration School Learning Analytics Suite' interface. The top navigation bar includes tabs for 'Subjects Over Time', 'Subject Result Analysis', 'Subject Leaders', and 'Subject Listing'. The 'Subject Result Analysis' tab is selected. The main content area is titled 'Subjects Over Time' and contains a section for '1. Select Student Group'. This section includes dropdowns for 'Cohort' (Year 12), 'Semester' (Sem 1, 2020), and 'Filter by subject enrolment' (Chemistry). Below this is the 'Additional Filter Options' section, which includes checkboxes for 'Sex' (Female, Male), 'My Student Alerts' (Active Alerts, Archived Alerts), 'House' (Black, Blue, Pink, Purple, Red, Yellow), 'LOTE' (Yes, No), and 'ATSI Status' (Indigenous, Non-Indigenous, Unknown). There is also an option to 'Exclude non-current students' (Yes). A 'Clear Selection' link is at the bottom right of the filter options. Below the filter options is a section for '2. Add a Subject Basket (group of subjects) or a Subject for analysis. Multiple Subject Baskets or Subjects can be added to the chart for analysis.' This section includes dropdowns for 'Subject Basket' and 'Or Subject'. A blue button labeled 'Add Subject For Analysis' is at the bottom. A sidebar menu on the left lists various navigation options, including 'Home', 'Student Results', 'Class Results', 'Class Tools', 'Data Entry', 'Subject Results', 'Subject Summary', 'Subject Analysis', 'Cohort Results', 'Pastoral Care', 'External Results', 'Reports', 'Awards', and 'Academic Mentoring'. A callout box on the right highlights the 'Subject Results' menu item, which has a sub-item 'Subject Analysis'.

1. The blue menu bar enables the user to move between the areas within **Subject Analysis**. However, this blue bar is used differently to that in previous components. The pages will refresh as the user moves between tabs (meaning the subject will not stay the same). The first tab looks at **Subjects Over Time**, tracing how the same group of students have performed in subjects over the years.
2. Select the cohort and result period (e.g. the Year 12s of Semester One 2020) for analysis. There is the option to view results for the entire cohort (by selecting **All Subjects**) or for a particular group. For instance, the user may wish to look at the Year 12s of Semester One 2020, though only those who took Chemistry.
Note: In this step, the user is only selecting which *students* they wish to include. They will not necessarily be analysing the Chemistry results.
3. There is the option to filter the students (by sex, House, etc.) Click the '+' icon next to **Additional Filter Options** to expand the menu.

Subject Results Over Time



- Choose the subject (or basket) results from the drop-down menu and click the Add Subject for Analysis button.

Note: In this step the user is choosing which *results* they wish to analyse. In Step 1 they may have selected the Year 12s of Semester One, 2020 who were enrolled in Chemistry. In this step, they may select 'English' to see how this particular Chemistry cohort has performed in English over time.

There is the option to select either a subject or a basket. A basket groups multiple subjects within a specific field. The application will then average the results across the subjects included. Examples of common subject baskets are listed below:

- **Science:** Chemistry, Physics, Biology, etc.
- **English:** English, English Extension, English Communication, etc.
- **Maths:** Mathematical Methods, Specialist Maths, General Maths etc.

Multiple subjects/baskets may be displayed on the chart at one time. Simply return to the drop-down in step 3 and click the Add Subject for Analysis button.

- A list of the subjects/baskets chosen will appear below the graph. Remove a subject by clicking on the 'x' icon beside it.

Subject Result Analysis

The second tab on the blue menu bar is **Subject Result Analysis**. This shows the distribution of results (spread of A's, B's, C's, etc.) for a particular subject.

Subject Result Analysis

1. Select Student Group

Cohort: Year 12 Sem 1, 2020 Filter by subject enrolment: All Students

Additional Filter Options: No filters selected.

Subject Result Analysis Options

Create Result Analysis:

- ☒ All Subjects ☐ Breakdown By Sex
- ☒ Include students who have left the school in totals

Create Report

Subject	A+	A	A-	B+	B	B-	C+	C	C-	D+	D	Total	Avg	SD	Cohort Chart
Accounting (12ACC - 1501)		1	1	2	1	1	1	1	1			9	10.7	2.2	
Visual Art (12ART - 1503)	1	3	3	4	1	1	1					14	12.4	1.6	
Biology (12BIO - 1505)		3	7	9	11	5		1				36	11.7	1.3	
Chemistry (12CHE - 1505)		2	2	5	2	2	6	3	2			24	10.3	2.1	
Drama (12DRA - 1507)		2	4	1	1	1						9	12.8	1.3	
Economics (12ECO - 1508)		1	1	1	2	2		1	2			10	10.3	2.3	
English (12ENG - 1509)	1	8	3	11	11	10	9	11	7		1	72	10.3	2.3	

1. Use the blue menu bar to move to **Subject Result Analysis**.
2. Select the cohort and result period (e.g. the Year 12s of Semester One 2020) for analysis. There is the option to view results for the entire cohort (by selecting **All Subjects**) or for a particular group. For instance, the user may wish to look at the Year 12s of Semester One, 2020, though only those who took Chemistry.
 - a. **Note:** In this step, the user is only selecting which *students* they wish to include. They will not necessarily be analysing the Chemistry results.
3. There is the option to include or exclude students who have left the school.
 - a. There is then the option to view combined results or results separated by sex.
4. Click **Create Report**.
5. Click the '+' icon for each subject to view the distributions for each individual class.
6. These results may be exported out into Excel.

Subject Leaders

The third tab on the green menu bar is **Subject Leaders**. This component lists the highest performing students within each subject for a particular period.

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Subjects Over Time | Subject Result Analysis | **Subject Leaders** | Testing

Subject Leaders

Subject Leaders

Year: Year 12 **2**

Result Year: 2020

Result Period: Sem 1, 2020

Weight: 1.0

Add

☐ Return a list of all students not just the DUX and Proxime Accessit
☐ Remove students from list if they do not have a result in all selected reporting periods

Year	Result Period	Weight	
12	Sem 1, 2020	1	5

Calculate **3**

Year Level	Subject		Student Id	Student Name	Result	GPA
12	Information Technology - 1565	First	\$548948	Frankie Farnsworth	A+	15
12		Second	\$779549	Jake Kowalczyk	A	14
12		Second	\$555916	Lennox	A	14
12	Business Management - 1541	First	\$267792	Brainerd	A	14
12		Second	\$519872	Empey	A-	13
12	Vocational Pathways Program - 1538	First	\$649569	Luke Maher	?	0
12		First	\$835692	Jasmine Davis	?	0
12		First	\$638165	Mohammad Haviland	?	0
12	Study of Religion - 1533	First	\$852764	Callum Bodnum	A+	15
12		Second	\$494423	Niamh Magusin	A	14
12	Engineering Technology - 1532	First	\$217148	Jack Glover	A-	13
12		First	\$319255	Albert Woelfle	A-	13
12		Second	\$179959	Theo Ridgman	B+	12

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1. Use the blue menu bar to move to **Subject Leaders**.
2. Select the cohort and result period (e.g. the Year 12s of Semester One 2020) for analysis and click **Add**.

Note: More than one result period may be selected – simply return to the **Result Period** drop down and click **Add** to include an additional period.

Each individual period may also be assigned a weight. For instance, the user may wish to view the Year 12 subject leaders based on results from both Semester One and Two, 2020. However, they may wish to weight Semester Two more highly (which would affect the subject leaders calculation).

3. Once a period has been **Added**, it will appear in the corresponding table. Click **Calculate** to view the highest and second highest performing students.
4. Click a student's ID number to view their individual student page
5. These results may be exported out into Excel.

Subject Listing

The fourth tab on the blue menu bar is **Subject Listing**. This component lists the enrolment data for each subject for a particular period.

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► Subjects Over Time ► Subject Result Analysis ► Subject Leaders ► **Subject Listing** 1

Subject Enrolment 2

Year: Year 12 ▼ Semester Year: 2020 ▼ Semester: Semester 2, 2020 ▼ 4

Subject	Description	Enrolment	Enrolment %
12ACC - 1501 - 1501	Accounting	9 of 77	11.7%
12ART - 1503 - 1503	Visual Art	14 of 77	18.2%
12BIO - 1505 - 1505	Biology	36 of 77	46.8%
12CHE - 1506 - 1506	Chemistry	23 of 77	29.9%
12DRA - 1507 - 1507	Drama	9 of 77	11.7%
12ECO - 1508 - 1508	Economics	10 of 77	13.0%
12ENG - 1509 - 1509	English	72 of 77	93.5%
12FRE - 1510 - 1510	French	11 of 77	14.3%
12GEO - 1511 - 1511	Geography	7 of 77	9.1%
12GRA - 1512 - 1512	Graphics	5 of 77	6.5%
12HPE - 1513 - 1513	Physical Education	31 of 77	40.3%
12JAP - 1515 - 1515	Japanese	11 of 77	14.3%
12MAA - 1517 - 1517	Mathematics A	35 of 77	45.5%
12MAB - 1518 - 1518	Mathematics B	35 of 77	45.5%
12MAC - 1519 - 1519	Mathematics C	14 of 77	18.2%

1 2

3

1. Use the blue menu bar to move to **Subject Listing**.
2. Select the cohort and result period (e.g. the Year 12s of Semester Two 2020).
3. The enrolment data for each available subject during that period will be shown. Users would expect for subjects like English to have an enrolment percentage of close to 100, as the majority of students would be taking this subject.
4. These results may be exported out into Excel.