

**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](mailto: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 shows 'Subjects Over Time', 'Subject Result Analysis', 'Subject Leaders', and 'Subject Listing', with 'Subject Result Analysis' highlighted by a blue circle with the number '1'. The main content area is titled 'Subjects Over Time' and contains a section '1. Select Student Group' with a blue circle and the number '2'. This section includes dropdown menus for 'Cohort' (Year 12), 'Sem' (Sem 1, 2020), and 'Filter by subject enrolment' (Chemistry). Below this is the 'Additional Filter Options' section with a blue circle and the number '3', featuring 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). A 'Clear Selection' link is visible at the bottom right of the filter options. The left sidebar contains a navigation menu with 'Subject Analysis' selected. A dark blue overlay on the right side of the screenshot shows a 'Subject Results' menu with 'Subject Analysis' highlighted.

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

Subjects Over Time

1. Select Student Group

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

Additional Filter Options: No filters selected.

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.

Subject Basket: --- Select --- Or Subject: English

Add Subject For Analysis

4

Subject Group	Properties	Sem 1, 2015	Sem 2, 2015	Sem 1, 2016	Sem 2, 2016	Sem 1, 2017	Sem 2, 2017	Sem 1, 2018	Sem 2, 2018	Sem 1, 2019	Sem 2, 2019	Sem 1, 2020
English*	Chemistry: All Classes	B-	B	B-	B-	B-	B-	B-	B-	B-	B-	B-

5

- 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.

Demonstration School Learning Analytics Suite (TrackOneAdmin) (Sign Out)

1. Subject Result Analysis

2. Cohort: Year 12, Sem 1, 2020. Filter by subject enrolment: All Subjects

3. Additional Filter Options: No filters selected.

4. Create Report

5. Analytics

6. Cohort Chart

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				38	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.

**Subject Leaders**

Year: Year 12  
Result Year: 2020  
Result Period: Sem 1, 2020  
Weight: 1.0

Calculate

Year Level	Subject	Result	Student Id	Student Name	Result	GPA
12	Information Technology - 1565	First	<a href="#">S548948</a>	Frankie Farnsworth	A+	15
12		Second	<a href="#">S779549</a>	Jake Kowalczyk	A	14
12		Second	<a href="#">S555916</a>	Lennox	A	14
12	Business Management - 1541	First	<a href="#">S267792</a>	Brainerd	A	14
12		Second	<a href="#">S519872</a>	Empey	A-	13
12	Vocational Pathways Program - 1538	First	<a href="#">S649569</a>	Luke Maher	?	0
12		First	<a href="#">S835692</a>	Jasmine Davis	?	0
12		First	<a href="#">S638165</a>	Mohammad Haviland	?	0
12	Study of Religion - 1533	First	<a href="#">S852764</a>	Callum Bodnum	A+	15
12		Second	<a href="#">S494423</a>	Niamh Magusin	A	14
12	Engineering Technology - 1532	First	<a href="#">S217148</a>	Jack Glover	A-	13
12		First	<a href="#">S319255</a>	Albert Woelfle	A-	13
12		Second	<a href="#">S179959</a>	Theo Ridgman	B+	12

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.

**Demonstration School Learning Analytics Suite** (TrackOneAdmin) (Sign Out)

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

Subject Enrolment 2 4

Year: Year 12 Semester Year: 2020 Semester: Semester 2, 2020 3

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

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.