



# Item Level Data



## Item Level Data

For centres, it is a data source that can be used to:

- evaluate their own performance against specification norms
- assist candidates in improving individual performance.

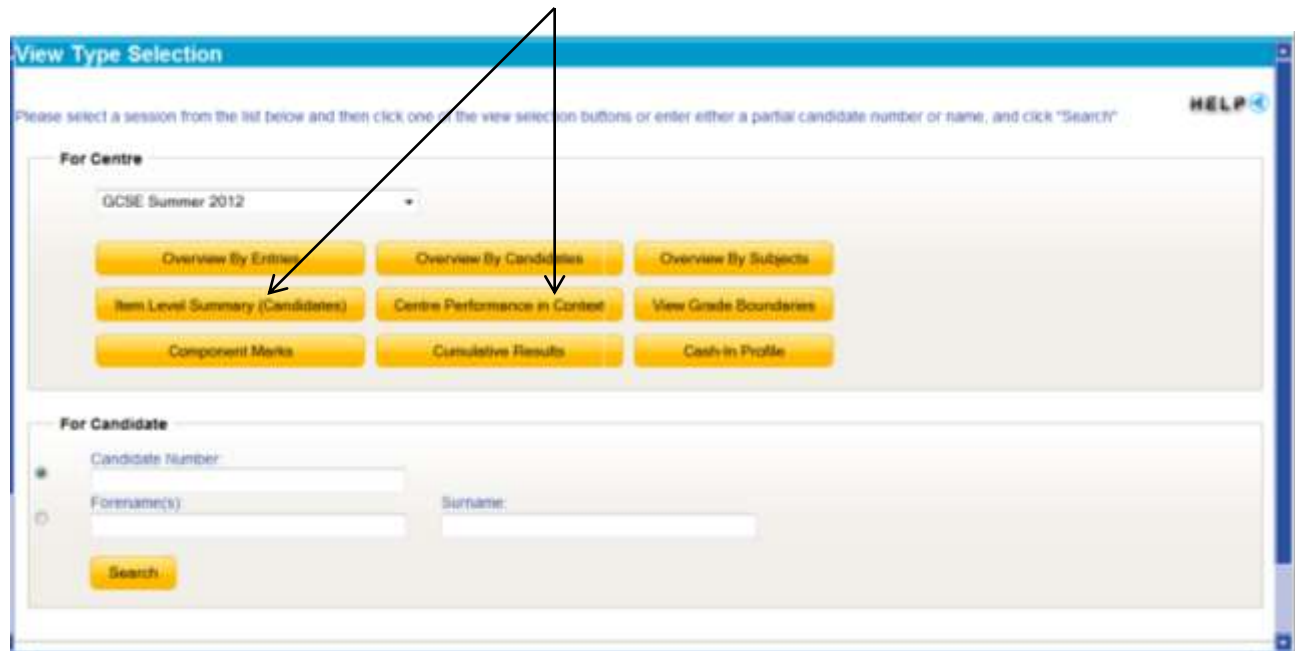


## Item Level Data

- Item Level Data is available for most subjects (where marks are submitted via EMI or there is electronic script marking ESM)
- Item Level Data shows the breakdown of marks of a script by question / part question (item)

## Item Level Data

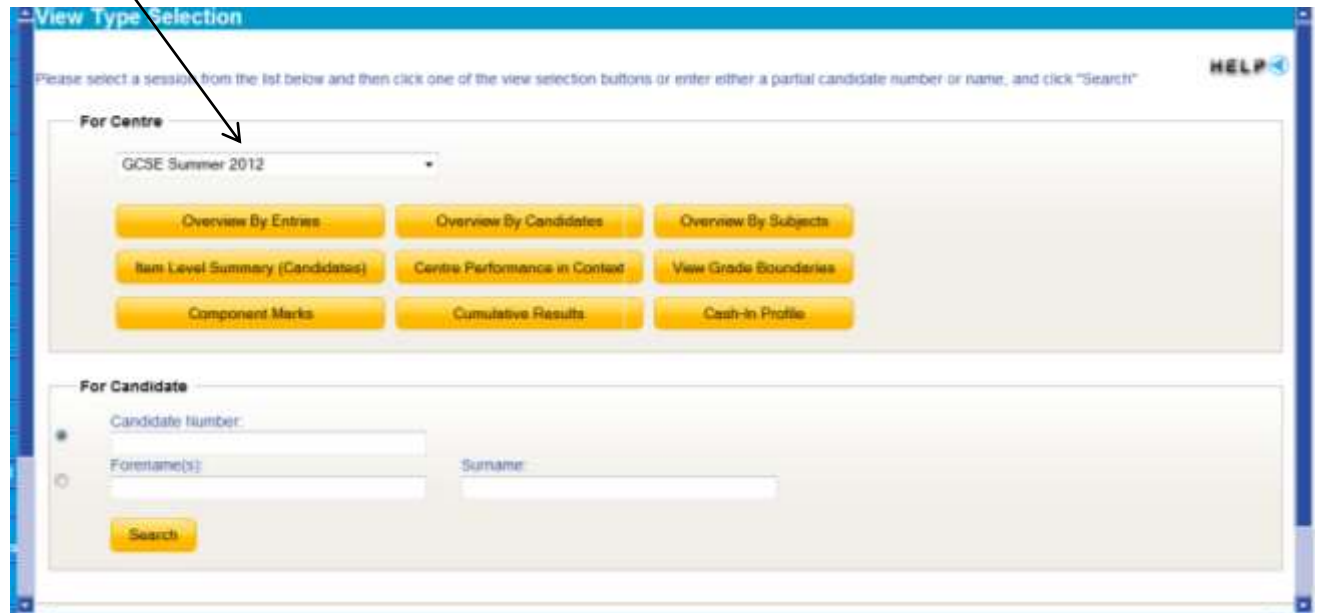
- On the secure website in the Walled Garden area, there are two 'buttons that give access to item level data:
  - Item Level Summary (Candidates)
  - Centre Performance in Context



The screenshot shows a web interface titled "View Type Selection". At the top, it says "Please select a session from the list below and then click one of the view selection buttons or enter either a partial candidate number or name, and click 'Search!'". There is a "HELP" link in the top right corner. Under the heading "For Centre", there is a dropdown menu currently showing "GCSE Summer 2012". Below this are nine yellow buttons arranged in a 3x3 grid: "Overview By Entries", "Overview By Candidates", "Overview By Subjects", "Item Level Summary (Candidates)", "Centre Performance in Context", "View Grade Boundaries", "Component Marks", "Cumulative Results", and "Cash in Profile". Two black arrows originate from the text in the list above: one points to the "Item Level Summary (Candidates)" button and the other points to the "Centre Performance in Context" button. Below the "For Centre" section is a "For Candidate" section with a radio button selected for "Candidate Number", and input fields for "Candidate Number", "Forename(s)", and "Surname", along with a "Search" button.

# Item Level Summary (Candidates)

Use the drop down menu to select the series

A screenshot of a web application window titled 'View Type Selection'. The window has a blue header bar with the title and a 'HELP' link with a question mark icon. Below the header, there is a text instruction: 'Please select a session from the list below and then click one of the view selection buttons or enter either a partial candidate number or name, and click "Search"'. The main content area is divided into two sections. The first section, 'For Centre', contains a dropdown menu currently showing 'GCSE Summer 2012'. Below this are nine yellow buttons arranged in a 3x3 grid: 'Overview By Entries', 'Overview By Candidates', 'Overview By Subjects', 'Item Level Summary (Candidates)', 'Centre Performance in Context', 'View Grade Boundaries', 'Component Marks', 'Cumulative Results', and 'Cash-in Profile'. The second section, 'For Candidate', contains a radio button selected for 'Candidate Number' with an adjacent text input field, and another radio button for 'Forename(s)' with an adjacent text input field for 'Surname'. A yellow 'Search' button is located at the bottom of this section. An arrow from the text above points to the dropdown menu in the 'For Centre' section.



# Item Level Summary (Candidates)

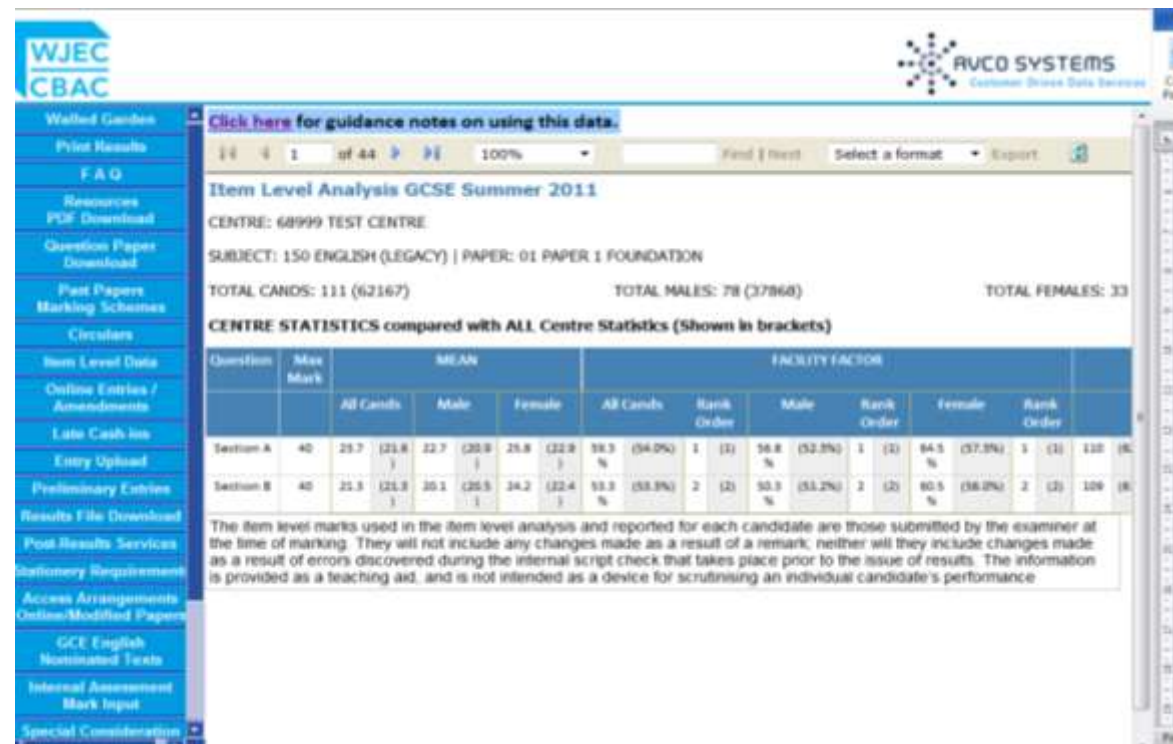
- By clicking on a candidate name, an individual report is given



- The report shows:
  - Mark achieved by candidate
  - Average mark achieved by centre
  - Average mark achieved for all candidates entered with WJEC

# Centre Performance in Context

- To see how your centre performed, relative to other centres with WJEC, the Centre Performance in Context should be selected:



WJEC CBAC

Click here for guidance notes on using this data.

1 of 44 100% Find | Next Select a format Export

### Item Level Analysis GCSE Summer 2011

CENTRE: 68999 TEST CENTRE  
 SUBJECT: 150 ENGLISH (LEGACY) | PAPER: 01 PAPER 1 FOUNDATION

TOTAL CARDS: 111 (62167) TOTAL MALES: 78 (37868) TOTAL FEMALES: 33

**CENTRE STATISTICS compared with ALL Centre Statistics (Shown in brackets)**

Question	Max Mark	MEAN				FACILITY FACTOR					
		All Cards	Male	Female	All Cards	Rank Order	Male	Rank Order	Female	Rank Order	
Section A	40	25.7 (21.8)	22.7 (20.9)	25.8 (22.8)	59.3 (54.0%)	1 (1)	56.8 (52.5%)	1 (1)	64.5 (57.5%)	1 (1)	130 (8)
Section B	40	21.3 (21.3)	20.1 (20.5)	24.2 (22.4)	59.3 (53.3%)	2 (2)	50.3 (51.2%)	2 (2)	60.5 (58.2%)	2 (2)	109 (8)

The item level marks used in the item level analysis and reported for each candidate are those submitted by the examiner at the time of marking. They will not include any changes made as a result of a remark; neither will they include changes made as a result of errors discovered during the internal script check that takes place prior to the issue of results. The information is provided as a teaching aid, and is not intended as a device for scrutinising an individual candidate's performance.



# Centre Performance in Context

This gives (for each item) the mean, facility factor and attempt %, for all candidates as well as males and females separately.

[Click here for guidance notes on using this data.](#)

1 of 44 100% Find | Next Select a format Export

**Item Level Analysis GCSE Summer 2011**  
 CENTRE: 68999 TEST CENTRE  
 SUBJECT: 150 ENGLISH (LEGACY) | PAPER: 01 PAPER 1 FOUNDATION  
 TOTAL CANDS: 111 (62167) TOTAL MALES: 78 (37868) TOTAL FEMALES: 33

**CENTRE STATISTICS compared with ALL Centre Statistics (Shown in brackets)**

Question	Max Mark	MEAN				FACILITY FACTOR					
		All Cands	Male	Female	All Cands	Rank Order	Male	Rank Order	Female	Rank Order	
Section A	40	25.7 (21.6 %)	22.7 (20.9 %)	25.8 (22.8 %)	59.3 (54.0%)	1 (1)	56.8 (52.3%)	1 (1)	64.3 (57.3%)	1 (1)	110 (6)
Section B	40	21.3 (21.5 %)	20.1 (20.5 %)	24.2 (22.4 %)	53.3 (53.3%)	2 (2)	50.3 (51.2%)	2 (2)	60.5 (56.0%)	2 (2)	109 (6)

The item level marks used in the item level analysis and reported for each candidate are those submitted by the examiner at the time of marking. They will not include any changes made as a result of a remark, neither will they include changes made as a result of errors discovered during the internal script check that takes place prior to the issue of results. The information is provided as a teaching aid, and is not intended as a device for scrutinising an individual candidate's performance

The white columns show the centre result, the grey columns all WJEC candidates' results.



# Centre Performance in Context

## Mean

- If all candidates perform well on a particular item, the mean score will be close to the maximum mark.
- Conversely, if candidates as a whole perform poorly on the item there will be a large difference between the mean score and the maximum mark.
- A simple comparison of the mean marks will identify those items that contribute significantly to the overall performance of the candidates.



## Centre Performance in Context

For questions with different maximum marks, the **facility factor** should be used to compare performance.

- Facility factor expresses the mean mark as a percentage of the maximum mark
- It is a measure of the accessibility of the item.
- If the mean mark obtained by candidates is close to the maximum mark, the facility factor will be close to 100 per cent and the item would be considered to be very accessible.



# Centre Performance in Context

## Attempt %

- When comparing items on this measure it is important to consider the order in which the items appear on the paper.
- If the total time available for a paper is limited, there is the *possibility* of some candidates running out of time and hence a deflated figure on this measure.
- Where candidates have a choice of question the statistics evidence candidate preferences / the teaching policy within centres.

# Centre Performance in Context

The guidance notes which can be downloaded give an explanation of the data analysis provided.

[Click here for guidance notes on using this data.](#)

1 of 44 100% Find | Next Select a format Export

### Item Level Analysis GCSE Summer 2011

CENTRE: 68999 TEST CENTRE  
 SUBJECT: 150 ENGLISH (LEGACY) | PAPER: 01 PAPER 1 FOUNDATION

TOTAL CANDS: 111 (62167) TOTAL MALES: 78 (37868) TOTAL FEMALES: 33

**CENTRE STATISTICS compared with ALL Centre Statistics (Shown in brackets)**

Question	Max Mark	MEAN						FACILITY FACTOR													
		All Cands		Male		Female		All Cands		Male		Female									
Section A	40	23.7	(21.6)	22.7	(20.9)	25.8	(22.9)	59.3%	(54.0%)	1	(1)	56.8%	(52.3%)	1	(1)	64.5%	(57.3%)	1	(1)	110	(6)
Section B	40	21.3	(21.3)	20.1	(20.5)	24.2	(22.4)	53.3%	(53.3%)	2	(2)	50.3%	(51.2%)	2	(2)	60.5%	(56.0%)	2	(2)	109	(6)

The item level marks used in the item level analysis and reported for each candidate are those submitted by the examiner at the time of marking. They will not include any changes made as a result of a remark; neither will they include changes made as a result of errors discovered during the internal script check that takes place prior to the issue of results. The information is provided as a teaching aid, and is not intended as a device for scrutinising an individual candidate's performance



## Using the Item Level Data :

Item level data can be used to:

- identify the accessible questions for your centre
- identify the challenging questions for your centre

### **NOTE:**

- 1. Marks used are raw marks entered by examiners at the time of marking; hence they include no changes due to remarks or script checking.**
- 2. Small numbers of candidates can produce distorted statistics**