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
Item Level Summary (Candidates)

Use the drop down menu to select the series.
Item Level Summary (Candidates)

• For each unit a candidate has sat, the mark achieved on each item is given.

• At any stage the data can be exported as a spread sheet or pdf document.
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:
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.

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.
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