

Predicted FCAT Level and IRT Scale Score

The example table below illustrates:

1. **IRT Score** – five-digit value is placed in rank order for determining predicted FCAT level
 - a. IRT score is a five-digit value that is not readily usable by educators.
 - b. A partial range of IRT scores from Winter Diagnostic Grade 8 Science is shown below.
2. **Predicted FCAT Level** - cut scores (shown as the line below) determine FCAT levels within the IRT score range.
3. **IRT Scale Score** – IRT five-digit score is converted by the Department of Research and Evaluation to a three-digit scale score which has greater meaning to educators.
4. **IRT Scr (Pred FCAT Lvl)** - Predicted FCAT Level and IRT Scale Score are reported in EDW reports.

*In the example below, the IRT Scale Score of 421 has two Predicted FCAT Levels (1 or 2) in the IRT Scr (Pred FCAT Lvl) column. Score 1421 is read as Level 1, IRT Scale Score 421; 2421 is read as Level 2, IRT Scale Score of 421. The IRT Scr (Pred FCAT Lvl) is shown in EDW student listing reports in New EDW and EDW for Teachers.

| IRT Score (partial range of scores) | Predicted FCAT Level (1 – 5) | IRT Scale Score (200 – 800) | IRT Scr (Pred FCAT Lvl) |
|---|------------------------------------|-----------------------------------|-------------------------|
| -0.7739 -0.7737 -0.7736 -0.7735 -0.7732 -0.7718 -0.7707 -0.7705 -0.7697 -0.7696 -0.7695 -0.769 -0.7689 -0.7687 | 1 | *421 | 1421 |
| -0.7688 -0.7677 -0.7675 -0.7672 -0.767 -0.7669 -0.7666 -0.7663 -0.7655 -0.7654 -0.7652 -0.7651 -0.7649 -0.7648 -0.7642 -0.7641 -0.7633 -0.7626 -0.7625 -0.7624 | 2 | *421 | 2421 |

Sample data from the 2011 Winter Diagnostic Grade 8 Science Results