Set up my SEC project and I have my administrator login information

1. Enter your username and password under login
2. Click “login”
3. You’re now at the SEC Administration page where you can set up group registration, see who has registered, who has completed the survey, access the Report Generator and more

Try the survey as a non-affiliated member

1. Click on “Registrar” button at the top
2. Under “Not Registered?” select “Non-affiliated member” from pulldown menu
3. Click “Register”
4. Enter fields for non-affiliated

Find cognitive demand and topic lists

1. Click “Content Analysis” button at the top
2. Click on the “content analysis procedures” link

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Look at a specific grade

(1) Make your selections in the Report Generator
(2) Click “submit”
(3) A chart will be displayed based on your data selections
(4) Under “Report by”, choose a grade-level span for instructional practice charts or a specific grade for instructional content charts.
(5) Click “update”

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FLOATING BAR CHART – Instructional Practice

Instructional Activities in Mathematics
By Grade Level

<table>
<thead>
<tr>
<th>Legend</th>
<th>Mean</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image.png" alt="Legend Image" /></td>
<td></td>
</tr>
</tbody>
</table>

Future Scholar's Middle School

<table>
<thead>
<tr>
<th>Your District</th>
<th>Your School</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Grades 69</td>
<td>All Grades 10</td>
</tr>
<tr>
<td>Grades 5 20</td>
<td>Grades 6 3</td>
</tr>
<tr>
<td>Grades 7 22</td>
<td>Grades 7 4</td>
</tr>
<tr>
<td>Grades 6 21</td>
<td>Grades 6 1</td>
</tr>
</tbody>
</table>

What percentage of mathematics instructional time in the target class do students:

1. Collect or analyze data
2. Maintain or reflect on a mathematics portfolio of their own work
3. Use of hands-on materials or manipulatives (e.g., counting blocks, geometric shapes, algebraic tiles)
4. Engage in mathematical problem solving (e.g., computation, story problems, mathematical investigation)
5. Work in pairs or small groups
6. Do a mathematics activity with the class outside the classroom
7. Use computers, calculators, or other educational technology to learn mathematics

A TWO COLUMNS
Compare two cohort groups of results

B SCALE
Percentage of class time

C STANDARD DEVIATION & THE MEAN
Represents roughly 2/3 of respondents

D (n)
No results if n < 3

E CONSISTENT DISPLAY
No difference between online and printed results

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TILE CHART – Instructional Content

- **A. Specific Content**
- **B. Amount of Instructional Time**
  - Indicated by color of tiles
- **C. Content Areas / Strands**
  - E.g. Measurement
- **D. The Learning Expectation**
  - E.g. Cognitive Demand
  - Represented on horizontal axis
- **E. Compare Groups**
- **F. Colored Boxes**
  - Facilitate comparison of data between two groups
- **G. Alignment Re-Centered**
  - 0.5041 = the degree of alignment between the two sides

**COARSE GRAIN CONTOUR MAP – Instructional Content**

- **A. Data Cuts by Grade Level**
- **B. Scale**
  - A.k.a. measurement intervals
- **C. Measurement Nodes**
  - Intersections of cognitive demand & topic
- **D. Subtopics**
  - Click on a strand to get to fine grain maps of subtopics

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