**Teacher Learning Report – Math**

**Description:** This report provides data for each TEKS Cluster with aligned Student Expectations (SEs) and subclusters. Teacher Learning Reports help identify specific parts of the curriculum where students (and/or teachers) may need support and enhances data analysis for instructional planning.

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**Tools to Know (Process Standards) Analysis:**
- Includes aggregated data for SEs 1(A), 1(B), and 1(C) – all grades/subjects
- *Tools to Know* data shown on Leadership Report Card is duplicated across all Teacher Learning Reports

**TEKS Cluster:**
- Checkpoint data from Leadership Report Card
- Includes aggregate data for all aligned Student Expectations
- Primary and connected Knowledge & Skills noted

**Checkpoints:**
- One or more assessments may be selected for each Checkpoint

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**Teacher Learning Report: Grade 8 Math**

### Content

**Coordinate Plane**

- 5.8(C) graph in the first quadrant of the coordinate plane ordered pairs of numbers arising from mathematical and real-world problems, including those generated by number patterns or found in an input-output table
- 5.8(A) describe the key attributes of the coordinate plane, including perpendicular number lines (axes) where the intersection (origin) of the two lines coincides with zero on each number line and the given point \((0, 0)\), the x-coordinate, the first number in an ordered pair, indicates movement parallel to the x-axis starting at the origin; and the y-coordinate, the second number, indicates movement parallel to the y-axis starting at the origin
- 5.8(B) describe the process for graphing ordered pairs of numbers in the first quadrant of the coordinate plane

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### Ways to Show (Process Standards) Analysis (Math):

- Includes aggregated data for SEs 1(D), 1(E), 1(F), and 1(G) – all grades/subjects
- *Ways to Show* data shown on Leadership Report Card is duplicated across all Teacher Learning Reports

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### Tools to Know (Process Standards) Analysis:

- Includes aggregated data for SEs 1(A), 1(B), and 1(C) – all grades/subjects
- *Tools to Know* data shown on Leadership Report Card is duplicated across all Teacher Learning Reports

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**Process (Tools to Know)**

- 5.1(A) apply math in everyday situations
- 5.1(B) use problem-solving models

**Graphing Numerical Patterns**

- 5.4(D) recognize the difference between additive and multiplicative numerical patterns given in a table or graph
- 5.4(C) generate a numerical pattern when given a rule in the form \(y = ax\) or \(y = x + a\) and graph

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**Process (Ways to Show)**

- 5.1(E) create representations
- 5.1(F) analyze information

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