Implementing Standards for Mathematical Practices

**#6 Attend to precision.**

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|  | **Summary of Standards for Mathematical Practice** | **Questions to Develop Mathematical Thinking** |
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|  | **6. Attend to precision.** | What mathematical terms apply in this situation? |
|  | • Communicate precisely with others and try to use clear mathematical language when | How did you know your solution was reasonable? |
|  | discussing their reasoning. | Explain how you might show that your solution answers the problem. |
|  | • Understand meanings of symbols used in mathematics and can label quantities | Is there a more efficient strategy? |
|  | appropriately. | How are you showing the meaning of the quantities? |
|  | • Express numerical answers with a degree of precision appropriate for the problem | What symbols or mathematical notations are important in this problem? |
|  | context. | What mathematical language..., definitions..., properties can you use to explain...? |
|  | • Calculate efficiently and accurately. | How could you test your solution to see if it answers the problem? |
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**Implementation Characteristics: What does it look like in planning and delivery?**

**Task**: elements to keep in mind when determining learning experiences **Teacher:** actions that further the development of math practices within their students

**Task:**

* Requires students to use precise vocabulary (in written and verbal responses) when communicating mathematical ideas.
* Expects students to use symbols appropriately.
* Embeds expectations of how precise the solution needs to be (some may more appropriately be estimates).

**Teacher:**

* Consistently demands and models precision in communication and in mathematical solutions. (*uses and models correct content terminology*).
* Expects students to use precise mathematical vocabulary during mathematical conversations. (*identifies incomplete responses and asks students to revise their response*).
* Questions students to identify symbols, quantities, and units in a clear manner

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Reflections on This Week: Mathematical Practice 6

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| What did you do to incorporate this practice into your classroom this week? Explain. |
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| Did you experience any difficulties incorporating this practice into your classroom this week? Explain. |
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| Did the use of the checklist help you to incorporate this practice into your classroom this week? Explain. |
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| Did the use of the Weebly module help you to incorporate this practice into your classroom this week? Explain. |
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