

Purpose: High Quality Instruction Indicators articulates the vision for skillful teaching and learning. The HQII describes the core instructional practices that contribute to student learning. Purposes include: 1) lesson preparation; 2) reflecting within PLC's on instructional practices contributing to student outcomes; 3) focused professional learning on standards-aligned practice; 4) providing feedback on classroom practice.

1. Culture of Learning: Is there a culture of learning and high expectations in this classroom?

- Students **demonstrate** self-management skills by **following behavioral expectations**, directions, and **execute transitions and procedures efficiently** independently and with peers.
- Students are **engaged in the work of the lesson** from start to finish; there is a **sense of urgency** about how time is used.
- Students and their teacher demonstrate a **joy for learning** through positive relationships and strong classroom culture.

2.A. Challenging Content: Does the content of this lesson reflect the shifts required by the CCSS for Mathematics?

Focus: The lesson focuses on grade level cluster(s) and/or standard(s) at the appropriate level of depth.

Coherence: The lesson intentionally connects content to appropriate mathematical concepts within and across grades.

Rigor: The lesson intentionally targets the aspect(s) of rigor (conceptual understanding, procedural skill and fluency, application) called for by the standard(s) being addressed

2.B. Challenging Content: Does this lesson employ instructional practices that allow all students to learn the content of the lesson?

- The teacher provides opportunities for students to engage with **grade-level problems, mathematical investigations, and/or tasks**.
- The teacher provides opportunities for students to engage in **review, consolidation, and/or practice** exercises.
- The teacher makes the mathematics of the lesson explicit by using **explanations, representations, and/or examples**.
- The teacher strengthens all students' understanding of the content by sharing a **variety of students' representations and/or solution methods**.
- The teacher deliberately **checks for understanding** throughout the lesson and **adapts** the lesson according to student understanding.
- The teacher **summarizes the mathematics** with references to student work and/or discussion in order to reinforce the focus of the lesson.

3. Ownership: Are students responsible for doing the thinking in this classroom?

- Students have **opportunities for productive struggle** and demonstrate **perseverance** in reasoning and solving problems in the face of initial difficulty.
- Students **share their developing thinking** about the content of the lesson.
- Students **elaborate on initial thoughts** to explain their thinking
- Students engage in **academic discourse and ask questions about each other's thinking** to clarify, self-assess and/or improve their own mathematical understanding and determine next steps to improve learning outcomes.
- Students **justify their conclusions, communicate them to others, and respond to the arguments of others**.
- Students **revise initial work**, especially their explanations and justifications.
- Students **use precise mathematical language** in their explanations and discussions.
- Students **use appropriate physical and digital tools (manipulatives, drawings, math symbols, etc.)**, **strategically** when solving a problem.

4. Every Student: *When students are working to overcome gaps in skill or standards, does the lesson address what students need, not what they already know?*

- **Frequent monitoring of student progress** by both the teacher and students (self-efficacy) drives content of intervention so that students get what they need to meet grade level standards in mathematics.
- The skills being taught are **aligned to the standards** for the grade or address specific skills that hold students back from doing grade-level work.

5. Improving Every Day: Are students demonstrating their understanding?

- **Questions, tasks, and/or assessments yield data that allow the teacher to assess students' progress** toward learning outcomes aligned to grade level standards and **allow for lesson adjustments**.
- Student responses and work demonstrate that **students are on track** to achieve stated or implied learning outcomes.