We know what assessment and evaluation are

**Assessment**

- Determining academic readiness, learning progress, skill acquisition, educational needs
- Determining opinions, attitudes, feelings, or perceptions

**Evaluation**

- Using assessment data to make a judgment about the effectiveness of worth of a curriculum or program
Why are assessment and evaluation important?

Data are powerful! They can help us understand...

• What students know and do not know
• What students think or feel about something
• What teachers think of the training they received
• The extent to which a curriculum was implemented the way it was designed to be implemented
• How things might have changed over time
• Why things might not have happened as expected
Why are assessment and evaluation important?

And understanding can lead to...

• Improvement
• Opportunities to disseminate findings and share successes
• Opportunities for continued or new funding
What kind of assessment and evaluation are involved with MS4SSA?

The **specific** data gathered will depend on what you will be doing:

- PSI with NJCTL
- PMI with NJCTL
- Materials Science Modules with WPI
- Robotics Modules with WPI
- Project-Based Learning with WPI
What kind of assessment and evaluation are involved with MS4SSA?

But the sources of data will be similar, regardless:

• Student surveys
• Student test scores
• Teacher surveys
• Teacher test scores (content knowledge and pedagogy)
• Information on implementation (when, how, how much, challenges)
• Demographic information
What kind of assessment and evaluation are involved with MS4SSA?

The most important data for MS4SSA are formative assessment data on student understanding.
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The **most important data** for MS4SSA are **formative assessment data** on **student understanding**.
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The **most important** data for MS4SSA are **formative** assessment data on **student understanding**.
Why are formative data on student understanding the most important?

Formative assessment data on student understanding are the most important because...

A teacher’s understanding of what his or her students know or don’t know—and a teacher’s follow up on that knowledge—is at the very heart of successful teaching and learning.
MS4SSA Data Gathering Logistics

We will work with you to do the following:

• Articulate your project goals and outcomes

• Outline data needs to address those goals and outcomes

• Develop protocols for gathering and sharing data

• Develop approaches for interpreting and reporting data