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Are We Doing a Good Job? Evaluating Iowa Science Standard (NGSS) Implementation with Achieve

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NGSS Implementation

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Work with a school on their implementation.

Improve science education and career readiness by supporting high quality instructional materials.
NGSS District Implementation Indicators

Individually
- Review all of the indicators (page 4)
- Select and read an indicator that is most applicable to your work

Small group Discussion
- How might you measure progress towards this indicator?
- What is going well in your district in relation to this indicator?
- What are the areas for improvement?

Begin action plan for your district
Baseline Data

● District data
  ○ Grades
  ○ Elective Participation
    ■ STEM
  ○ Iowa Assessments

● National Student Clearinghouse Data
  ○ STEM

● College & Career Ready Data and reports
  ○ IA Assessment Cut Score Data
Iowa District Audit of NGSS Implementation

This is the first of four Iowa district support projects. See the overall project plan for context. This is an initial planning document in the early stages of the project.

Achieve will take stock of the status of NGSS implementation across each of the districts and develop a report noting what is going well and recommendations to address areas of need, using the NGSS District Implementation Indicators as a guide. Iowa districts have identified priority areas for this audit, including Indicator #3: Professional Learning for Teachers; Indicator #5: Instructional Materials; Indicator #6: Assessments; and Indicator #13: Student Outcomes.

To get this data, this analysis will include

- a survey of district educators,
- classroom observations, and
- a review of publicly available and internal data.

Here's some detail of the goals and structure of each of those pieces.

Educator Survey

**Audience:** all science educators and school leaders in Bettendorf and Davenport school districts

**Goals:** measure educator knowledge of innovations of the NGSS and how those should be reflected in the classroom; measure high level use of instructional materials and participation with science PD and PLCs.

Possible surveys to draw from

**ACESSE.** We'll largely use the [ACESSE survey](#), which measures educator understanding of important aspects of the NGSS:

- Knowledge and practice together
- Learning develops over time
Bettendorf Community School District: Iowa Science Standards District Implementation Survey

Survey Overview

This 20-minute survey is addressed to all K-12 science educators in Bettendorf Community School District, including general education teachers, special education teachers, ELL teachers, gifted and talented teachers, instructional coaches, and building administrators. You will not be able to save the survey and come back later; it must be completed in one sitting.

The purpose of this survey is to learn more about implementation of the Iowa Science Standards. The survey includes questions about:

- Supporting students in the classroom
- Your vision of good science teaching and learning
- Your professional development experiences
- Types of guidance and resources you receive from your school, district, and state to help you teach science
- Education experience and background

Together, the survey results (in combination with classroom observations and other data analysis) will help district leaders determine how to best support educators in establishing high quality science programs in their classrooms.

Your name will not be linked to any data shared with anyone else, including leaders at your school, district, or state. No personal identifying information will be collected in this survey, though we will collect information that will identify the school and/or grade level taught. If you are uncomfortable responding to any question, please indicate so on the available open text field.

The data will only be used to guide the district leaders in planning targeted forms of support to help educators increase their understanding of and capacity to implement the Iowa Science Standards in their classrooms. Please answer all
Classroom Observation Tools

- Full day of observation
- All levels observed (K-12)
- Full lesson

Classroom observation tool
Title: EQuIP Training  
Location: Mississippi Bend AEA  
Dates: May 14-15

Title: Assessments  
Location: TBD, Quad Cities  
Dates: July 30-31

*Sessions will be made public on the MBAEA Professional Development website after April 15.