Agenda

- Surveys and Evaluation Expectations
- Evaluation Purpose and Goals
- The Big Picture
- NSF Accountability
- Student Assessment
- Inquiry Application
- Assessment Standards
- Feedback
- Coaching for STEM Motivation
MTU-HSE Goal

Equip high school students with the knowledge, skills and dispositions that will encourage more of them to consider STEM careers and prepare them for success in pursuing these careers, particularly in ICT-intensive fields.
Evaluation – Purpose

- Determine impact on teachers, students, faculty members
- Provide evaluation input to staff to improve programming
- Assess materials developed through the project
- Identify strengths and limitations of the project
Formative - Summative

- Interval
- Final
Evaluation - Accountability

- NSF Expectations
- Accountability to Congress
- Replicable Projects
- STEM career recruitment
Inquiry Application Instructional Model

- Question
- Explore and Investigate
- Explain
- Apply
Teaching, Learning and Assessment Standards
Michigan Curriculum Framework

- Standards of Authentic Instruction
- Standards for Assessment Tasks
Assessment Rubric Items – Posters

- Purpose
- Content
- Text
- Graphics/Effects
- Scientific Rigor
- Writing Mechanics/Quality
Assessment Rubric - Presentation

- Introduction
- Content
- Text
- Graphics/Effects
- Oral Presentation
- Scientific Rigor
Coach’s Feedback

- Student Assessment
- Project Selection
- Project Process
- Preparation for Presentation
Assessment