INDIANA DEPARTMENT of EDUCATION

2023-2024 Secondary STEM Certification Site Visit Evaluation

Elements in gold are essential elements for the site visit.

Domain 5: Site Visit		
Element	**Description of Element**	**Required Evidence**
Technology Integration	Teachers use appropriate instructional technology to enhance STEM teaching and engage students in STEM learning.	Observable on walk through.
	Students actively use technology in STEM disciplines to enhance learning.	
STEM Instructional Practices	Teachers engage students in lessons using an interdisciplinary or transdisciplinary approach containing two or more subject areas.	Observable on walk through.
	The engineering design process is implemented into STEM learning.	Observable on walk through.
	Students are actively engaged in project-based learning.	Observable on walk through.
STEM Work Groups	Students are working collaboratively in groups with assigned roles on inquiry- or project-based work.	Observable on walk through.
	Students have opportunities to share their work with peers.	Observable on walk through.
Computer Science	Students use computational thinking to create artifacts in computer science classes.	Observable on walk through.
	Computer science standards are in stand-alone classes.	•Roster of computer science teachers. •Courses offered, enrollments, and completion.

STEM Environment	Collaborative workspaces are provided or created for students and teachers to work.	Observable on walk through.
	Student work from previous STEM projects is displayed throughout the building in a way that supports the ongoing implementation of the STEM program.	Observable on walk through.
	Students have easy access to STEM-related tools and resources.	Observable on walk through.
STEM Team Presentation	The STEM team's presentation addresses elements receiving a score lower than two on the rubric. (It is the school's choice which elements are addressed.)	Observable on walk through.
	Members of the STEM team are present as their schedule allows.	Observable on walk through.
	Decision-making regarding planning and implementing the defined STEM program is presented and supported with sample minutes and survey questions.	Analysis of at least two cycles of survey results indicating 95% participation by staff working within the defined STEM program.
	The STEM team's presentation addresses required items for Essential Element 1.	Multiple examples of student and teacher participants that have worked within the mission of the defined STEM program and how it has evolved over at least two years of implementation.
	Teachers discuss and provide evidence of instructional support they receive on a monthly basis. Supports should include one or more of the following: 1. Peer observation 2. Lesson study 3. Critical feedback 4. Coaching 5. Modeling 6. Action research 7. Mentoring	•Complete roster of instructional staff members indicating support provide and frequency of occurrence. •Summary of STEM program certified teacher responses indicating support received. •Sample of teacher reflections (journaling) based on provided support.

Interviews	Guidance counselors, career coaches, and additional staff present three strategies that have been implemented to inspire and inform under-represented student groups about STEM careers.	•Mechanism used to train school staff on STEM careers and connections to what school offerings exist. •Summary of opportunities. •Identification of under-represented student groups. •Action plan to inspire/inform identified under-represented students groups. •Interactions with STEM professionals from a of variety races, ethnic, and gender groups.
	Stakeholders including parents, educational leaders, and community partners discuss their roles in implementing activities to reflect, grow, and promote the school's STEM program.	**Provide two or more of the following:** •Detailed documentation of STEM-focused events including fliers, brochures, and other promotional materials. •Copy of program evaluation survey, data analysis, and reflection based on results. •Calendar of community events. •Detailed volunteer schedule including dates and volunteer duties related to STEM. •Copy of STEM-focused press releases and/or newsletters. •Detailed meeting minutes from STEM-focused community forum.
	A student panel is convened to discuss the opportunities for students to actively question, brainstorm, utilize the design process, and make decisions regarding the defined STEM program.	Observable in the interview.