

STEM Classroom Walk-Through Checklist: Elementary and Secondary	Evidence/Notes
Teacher: _____ Observer: _____ Location: _____ Date: _____	
Classroom Environment <ul style="list-style-type: none"> <input type="checkbox"/> Classroom environment is conducive to STEM instruction. <ul style="list-style-type: none"> <input type="checkbox"/> Flexible work spaces are evident. <input type="checkbox"/> Students have access to multiple resources including print and digital resources. <input type="checkbox"/> Instruction reflects an interdisciplinary approach. <input type="checkbox"/> Evidence of design logs or other documentation of student thinking. 	
Culture and design <ul style="list-style-type: none"> <input type="checkbox"/> Students are actively questioning, brainstorming, utilizing the design cycle and making decisions at high levels in all learning experiences. <input type="checkbox"/> Students have opportunities to present and defend their work to peers. <input type="checkbox"/> Students are aware of STEM occupations and how their work prepares them for the future. <input type="checkbox"/> Students have opportunities for hand-on experiences. <input type="checkbox"/> Cross curricular planning drives instruction. Evidence of multiple subject areas is present in the classroom. <input type="checkbox"/> Students understand basic concepts and can articulate connections between experiences and underlying principles. <input type="checkbox"/> Teacher implements project and problem-based learning to assess learning that combines two or more STEM areas. 	
Teaching and Learning <ul style="list-style-type: none"> <input type="checkbox"/> Students share ideas and work effectively in both individual and group settings. <input type="checkbox"/> Students identify, understand and apply technologies needed to develop solutions to problems or construct answers to complex questions. <input type="checkbox"/> Students listen and analyze multiple points of view before taking action. <input type="checkbox"/> Teacher provides students with exposure to emerging technologies and model expectations for students to use technology in a responsible/ethical manner. <input type="checkbox"/> Students engage in rich discourse in which decision-making, problem-solving, and problem-posing are evident. 	