### STEM Campus Walk-Through Checklist: Elementary and Secondary

| Campus: ____________________________ | Observer: ____________________________ |
| Location: __________________________ | Date: ____________________________ |

#### Program Mission and Vision

- The stakeholders at all levels are consistent in their articulation of STEM program and its benefits.
- The vision and expectations of growth and development of the STEM program is clearly articulated.
- Teachers use flexible planning systems to integrate STEM throughout the curriculum for all students and to adjust the direction of learning as needed.
- Data is used frequently and systematically to improve STEM outcomes.
- Targeted recruitment plans effectively recruit and retain traditionally underrepresented students, including those who face academic, language, and other learning barriers.
- Lessons are designed with a wide range of students in mind—scaffolding, stretch, and varied grouping strategies.

#### Culture and Design

- The school purposefully deepens the understanding of wider concepts by providing various STEM experiences for students.
  - Field trips
  - STEM speakers
  - STEM competitions
  - STEM residencies
  - STEM exposure
  - STEM Night
  - Robotics/Coding
- Cross curricular planning and collaboration is an integral part of the instructional program.
- Project-based and problem-based curriculum, instruction, and assessment are key drivers of the instructional practice.
- Students are provided with opportunities to analyze careers that exist in a variety of STEM fields.

#### Teaching and Learning

- Opportunities exist for students to engage in technology responsibly throughout the school day.
- Students engage in rich discourse in which decision-making, problem-solving, and problem-posing are evident.
### Professional Development

- All teachers have the opportunity to engage in STEM-focused experiential learning.
- Campus-based professional development is a reflection of current industry best practices.
- Campus provides teachers with multiple opportunities for STEM professional development.
- Campus has a clearly-defined professional development plan that supports STEM-focused teaching and learning.

### STEM Alliances

- Industry professionals are part of the STEM Program Advisory committee and provide external industry-based experiences for students on an ongoing basis.
- The STEM program benefits from an existing two-way post-secondary partnership (university programs, professors, or students) evident in curriculum, teacher development, technical assistance, and/or resources needed to build a high quality STEM program.
- The school is a participating member of an established network of district STEM programs that have some degree of vertical collaboration.
- Growing numbers of the school’s current STEM students matriculate to the next level district STEM programs.