

Design Tool 11.1: After-School Assessment Checklist

Directions: Use this as a starter-checklist to plan for and prepare your STEM after-school program. Add to it as needed.

Environment:

- ◆ Inviting and inclusive.
- ◆ Risk free.
- ◆ Welcomes all students.
- ◆ Welcomes exploration, discovery, experimentation.

Resources:

- ◆ Adequate space.
- ◆ Access to equipment and supplies to support STEM learning.
- ◆ Access to museums, science centers, and businesses that use STEM workers.

Lessons:

- ◆ Inspire and engage students in STEM learning.
- ◆ Use a team-based approach.
- ◆ Hands-on, active, and interesting to the students.
- ◆ Focus on real problems and authentic issues.
- ◆ Help students learn to solve problems through an engineering design approach.
- ◆ Help students develop higher-order thinking skills.
- ◆ Provide opportunities for students to develop important social/teamwork skills.
- ◆ Offer opportunities to learn about STEM careers.