

**Table 1: Resources and Needs of Project Partners**

Partner	Resources	Needs/Challenges
<b>University</b>	<ul style="list-style-type: none"> <li>• Preservice Teachers (PST)</li> <li>• Experience and training with integrating STEM and robotics</li> <li>• Robot kits</li> <li>• Expertise in NGSS, STEM integration, SEP, teacher education, and instructional design</li> </ul>	<ul style="list-style-type: none"> <li>• Opportunities for PST to practice STEM integration through NGSS-aligned instruction</li> <li>• Support for PST teaching and learning STEM integration methods and practice</li> </ul>
<b>Local Nature Center</b>	<ul style="list-style-type: none"> <li>• Outdoor and indoor learning spaces</li> <li>• Educational leaders</li> <li>• Expertise in science content</li> <li>• Outdoor education programming</li> </ul>	<ul style="list-style-type: none"> <li>• Alignment of expertise in integrated STEM programming</li> <li>• Promote education outreach as a means of furthering in-class education</li> </ul>
<b>Independent Urban Elementary School</b>	<ul style="list-style-type: none"> <li>• Students (22 second graders)</li> <li>• Educators who teach science curriculum in their classroom</li> <li>• Experience teaching and learning with NGSS</li> <li>• Created pre-program lesson (binoculars)</li> </ul>	<ul style="list-style-type: none"> <li>• High-quality integrated STEM lesson</li> <li>• STEM lesson that connects to in-school learning and follows the NGSS standards</li> <li>• Age-appropriate lesson that is hands-on and engaging for second-grade students and equitable for all learners</li> </ul>
<b>Local Robotics Company KinderLab</b>	<ul style="list-style-type: none"> <li>• Expertise in coding robots</li> <li>• Lesson ideas</li> <li>• Extra materials including a few extra KIBO robots and robot extensions</li> </ul>	<ul style="list-style-type: none"> <li>• An educational leader to observe the program and provide the extra materials</li> </ul>