

Research Questions	Data Sources
<p><i>To what extent did the intervention have its intended impacts?</i></p> <ol style="list-style-type: none"> 1. Increase faculty’s knowledge of core practices and teacher education pedagogies 2. Departmental improvement processes include discussions of core practices and practice-based pedagogies 3. Changes in department goals/curricula to reflect core practices/new pedagogies 4. STEM education instructional materials reflect core practices/new pedagogies 5. STEM education instruction reflects core practices/new pedagogies 	<ol style="list-style-type: none"> 1. PD day retrospective survey items and follow-up in 2020 2. Action Plans from April 27th, June 25th, and 2020 PD: What plan to do and How, and What done to date (when revisiting action plan). 3. Action Plans; Program syllabi and framing docs 4. Program/Course syllabi; PD day retrospective survey items and follow-up at 2020 PD 5. Pre/post McDonald Poster; PD day retrospective survey items and follow-up at 2020 PD
<p><u>Department Implementation</u></p> <ol style="list-style-type: none"> 1. What did the program hope to accomplish? (incorporate practices/pedagogies into a few methods courses, programmatic-wide reform, other?) 2. What was their improvement process? Who was involved and for what tasks? How were the faculty/staff supported to do the work? (Departmental working group, Course release, other?) 3. What factors contributed to, or inhibited, the intervention having its intended impacts? <ol style="list-style-type: none"> a. Amount of departments’ time spent on improvement process b. Extent to which core practices/new pedagogies aligned with department priorities for improvement c. Number of existing, supporting, or competing initiatives within the department d. Other factors? 	<p>Action Plans from April 27th, June 25th, and 2020 PD: What plan to do and How, and What done to date (when revisiting action plan)</p> <p>Interviews of implementation team leaders</p>