Fishbone and Driver Diagrams
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Fishbone – visually represent the analysis of a problem
  – gaps we have identified in the continuum of preparing and sustaining effective science teacher preparation

Driver Diagrams – develops a working theory of practice improvement (an actionable plan)
  – organizing possible change ideas suggested by systemic view of the problem represented by the Fishbone Diagram

Created for
• Project Level (overarching)
• Pathway Steps (specific)
Figure 2. The fishbone diagram identifies factors contributing to an overarching problem (the head of the “fish”). Red arrows on the “bones” indicate areas for focus aligned to project goals.
Driver Diagram

Describes the mechanisms that support change ideas with the ultimate goal of impacting the improvement target.

**Primary Drivers**
- **Align goals of teacher education (Goals 1 & 3)**
- **Increase communication between stakeholders of the teacher education pathway (Goal 1)**
- **Align process of teacher education (Goal 2)**

**Secondary Drivers**
- **Co-create goals and implementation plans**
- **Ways to share resources**
- **Regular meetings and testing in different areas of the pathway**
- **Alignment of training tools**

**Change Ideas**
- **Create and revisit driver diagram**
- **Next Gen ASET Website**
- **Monthly NIC meetings**
- **ASET Tool training reflection**
- **Use ASET Toolkit**

**Improvement Target:**
Alignment across the science teacher education pathway at each NIC site.