

# Humboldt Curriculum Cycle

## Annual Reflection for 2017-18

**Date:** May 8th, 2018

**Team Facilitator:** Mr. Gotto

**Content Area:** Math Curriculum

**Identify this year's focus in any of these areas:**

### **Curriculum: (IA Core Work or Content Standards)**

The math curriculum team worked with curriculum standards to strengthen instruction. Each month we collaborated as a math department, using new research based instructional strategies that correlate with the Standards for Mathematical Practice in the Iowa Core Curriculum. Along with gaining new instructional knowledge, the team was able to use data on the standards with student work to make instructional goals for upcoming lessons. We also learned about priority standards and how bundling supporting standards around the priority standards can help teachers be more efficient at addressing all standards. Vertical alignment was important to focus on because sharing concepts that the grade level before could touch on more deeply will help students with their essential readiness for the following year. Math instruction was enhanced by working with curriculum standards this school year.

### **Instruction: (AIW Connections)**

The math team studied and implemented new learning to strengthen mathematics instruction. Summer math courses were taken to improve instruction, and all new learning was shared with the team. Our smart goal focus this school year was on the new book Principles to Actions: Ensuring Mathematical Success for All. While focusing on this book with our instruction, we studied establishing goals to focus learning, implementing tasks that promote reasoning and problem solving, using and connecting math representations, and facilitating meaningful math discourse. Other areas we studied in this book were posing purposeful questions, building procedural fluency from conceptual understanding, supporting productive struggle in learning math, and eliciting and using evidence of student thinking. All of this new learning was very powerful because we used this, along with student data, to generate improved math instruction. A few math team members attended the ICTM Conference to strengthen instruction, and shared new knowledge gained. We also explored ways to use Math Reviews/Learning Guides with more goal oriented purposes in our instruction. The Math Team's instruction was strengthened from our productive professional development sessions this school year.





