

## Professional Development Planning Sheet

### SIP Strand 1: Teaching for Learning

**Standard 1 Curriculum:** All instructional staff have a deep and shared understanding of the standards they are to teach, and how they connect to other grades/subjects.

### DIP Strand 3: Professional Learning

**Standard 7: Professional Learning Culture:** The district supports effective professional learning at every school that meets the needs of all learners through district systems and resource allocations

**Standard 8: Professional Learning System:** The district develops a three to five year improvement plan that identifies priorities for professional learning based on a co professional learning based on a comprehensive assessment of student and educator learning needs to ensure educator effectiveness; The district ensures that professional learning is ongoing, job-embedded, data-driven and collaboratively designed.

**Aligned School Improvement GOAL:** *Participate in Systemic Professional Development for Implementation of Michigan Science Standards*

**SUPPORTING the Strategy of:** *Develop comprehensive, multi year plans to support teachers' and administrators' learning. State, district, and school science education leaders should develop comprehensive multiyear plans for professional learning opportunities for teachers and administrators. (Recommendation #6)*

**Research:** <http://www.ncbi.nlm.nih.gov/books/NBK285702/>

Activity (Topic) *	Target Audience *	Resources Needed *	Funding Source *	Person Responsible **	Expected Outcome **	Timeframe and Deadline **
Michigan Science Standard Professional Development 6-12 5 days throughout 20XX-XX school year	MS and HS Science Teachers	XX Guest teachers at a cost of \$00.00 for a total \$000 and a fee of \$125 per person for total of \$000.00 Total Cost: \$000.00	Title 2a	List Participants and administrator in charge	Advance teacher understanding the NGSS/ Michigan Science Standards and effective instructional strategies in a sustained PLC and workshop	Five Days during the 20XX-XX school year. Professional development and subsequent work within PLCs. AND/OR Summer Professional Learning with a Teacher Stipend

<p>Michigan Science Standard Professional Development K-5 3 days throughout 20XX-XX school year</p>	<p>K-5 Elementary Teachers</p>	<p>XX Guest teachers at a cost of \$00.00 for a total \$000 and a fee of \$75 per person for total of \$000.00 Total Cost: \$000.00</p>	<p>Title 2a</p>	<p>List Participants and administrator in charge</p>	<p>format during the 20XX-XX school year.  Advance teacher understanding of the NGSS/Michigan Science Standards and effective instructional strategies in a sustained PLC and workshop format during the 20XX-XX school year.</p>	<p>Three Days during the 20XX-XX school year. Professional development and subsequent work within PLCs.  OR Summer Professional Learning with a Teacher Stipend</p>
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## **Professional Development Planning Sheet**

### **SIF Strand 1: Teaching and Learning**

#### **Standard 2: Instruction**

**(C) Instructional Design:** Instruction is designed to incorporate appropriate formative and summative assessments, research-based practices and rigorous thinking.

**(D) Effective Instructional Practices:** Instruction engages students in higher levels of cognitive thinking, leading to greater depth of knowledge.

### **DIF Strand 1: Teaching for Learning**

**Standard 2: Instruction:** The district provides direction on effective instructional practices and school/district processes (e.g. collaborative time, student supports and interventions, culture/climate interventions) and monitors their impact on student achievement and educator effectiveness

#### **Aligned School Improvement GOAL:**

*Improve Teaching Strategies to Support Visible Learning of Students with a Focus on the Science Practices of engaging in argument from evidence, constructing explanations and designing solutions, and developing and using models while engaging students in productive discourse.*

**SUPPORTING the Strategy of:** *Develop a K-12 classroom culture that supports the new vision of science education. Teachers should align their teaching approaches, curriculum resources, and students' tasks with the*

vision (Recommendation #3)

**Research:** <http://www.ncbi.nlm.nih.gov/books/NBK285698/>

Activity (Topic) *	Target Audience *	Resources Needed *	Funding Source *	Person Responsible **	Expected Outcome **	Timeframe and Deadline **
<p>NGSx-Next Generation Science Exemplar: Argumentation, Explanation, and Modeling of the Behavior of Matter</p> <p>5 days throughout 20XX-XX school year</p>	<p>High School, Middle School, and Elementary Science Teachers</p>	<p>XX Guest teachers at a cost of \$00.00 for a total \$000 and a fee of \$125 per person for total of \$000.00 Total Cost: \$000.00</p>	<p>Title 2a</p>	<p>List Participants and administrator in charge</p>	<p>To advance teacher understanding of effective instructional strategies in a sustained and intensive workshop format during the 20XX-XX school year.</p>	<p>Five Days during the 20XX-XX school year and will share outcomes with content area teachers during monthly PLCs.</p>