



# **First – Sixth Grade Science Resource Adoption Proposal**

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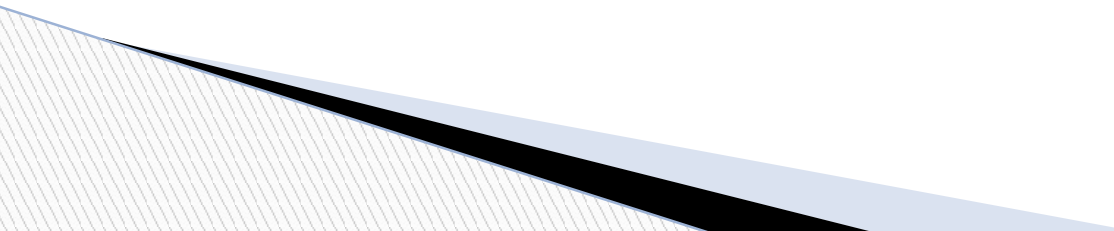


# Purpose

**This proposal is for the adoption of science curricular resources for all First – Sixth Grade classes to be implemented during the 2017–2018 school year.**

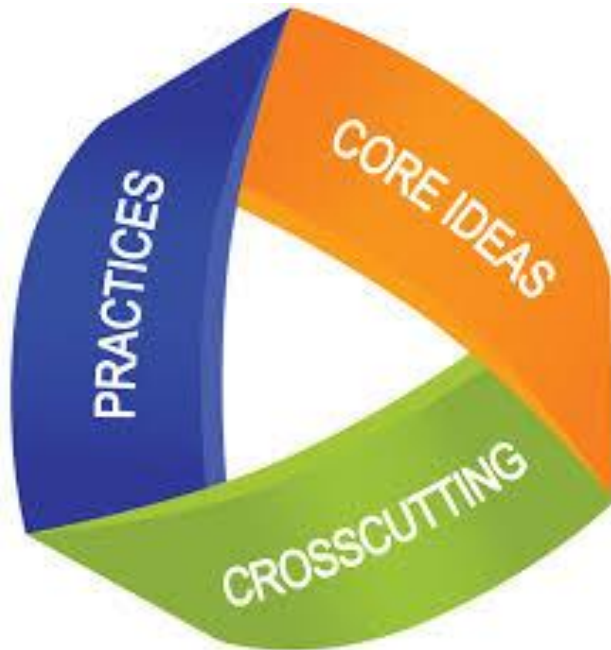


# Rationale

- **Current resources are not aligned with the Illinois Learning Standards for Science or our U-46 Curriculum**
  - **Our current resources are outdated and not aligned with best pedagogical practices**
  - **These resources were evaluated and selected by U-46 Early implementers**
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# Rationale

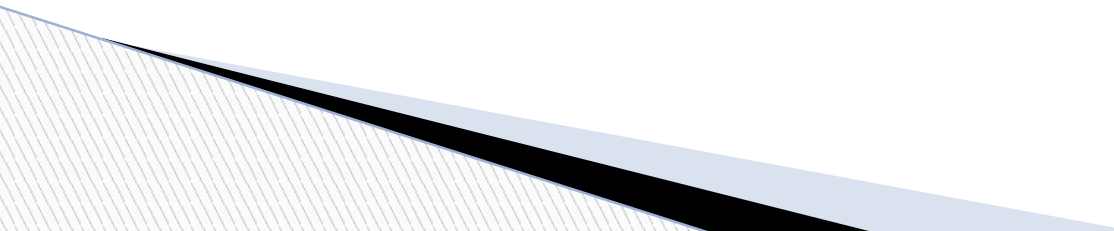


# The Proposed Resources

Grade Level	Recommended Resource
First Grade	Pearson <i>Interactive Science</i>
Second Grade	Pearson <i>Interactive Science</i>
Third Grade	National Geographic <i>Exploring Science</i>
Fourth Grade	National Geographic <i>Exploring Science</i>
Fifth Grade	HMH <i>Fusion Science Dimensions</i>
Sixth Grade	HMH <i>Fusion Science Dimensions</i>

# Pearson

## *Interactive Science*

- Inquiry based and hands-on
  - Aligns with curriculum and standards
  - Materials
    - Online and print student editions
    - Activity cards
    - Labware Kits
    - Next Generation Science Kits
    - Classroom Materials Kits
    - Leveled Reader Classroom Library
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# National Geographic

## *Exploring Science and Exploring Science Through Literacy*

- Inquiry based and hands-on
- Aligns with curriculum and standards
- Materials
  - Online and print student editions
  - English and Spanish leveled readers
    - 6 copies of 6 titles per grade
    - Each title has 3 lexile levels
  - Exploring Science Kits
    - Hands on consumable materials for student investigation



# HMH Fusion

## *Science Dimensions*

- Inquiry based and hands-on
- Aligns with curriculum and standards
- Module Based Materials (Physical Science, Sound and Light)
  - Online and print student editions
  - English and Spanish leveled readers
  - Lab Manuals
  - Hands-On Lab Kits
    - Consumable and Non-Consumable Kits

# Recommendation for Implementation

Implementation during the 2017–2018 school year.

# Professional Development

- May 5th and May 31 Professional Practice Days
  - Pending Board of Education approval we can proceed with optional PD during the May PPD to focus on the instructional resources
- On-going professional development
  - Summer offerings, District Collaborative Days and after school offerings

# Cost Analysis

	Instructional Material Cost	Professional Development Cost	Total Cost	Cost per Student (# of students)
<b>First Grade</b> Pearson <i>Interactive Science</i>	\$224,130.06	Included	\$224,130.06	\$82.34/student (2,722 students)
<b>Second Grade</b> Pearson <i>Interactive Science</i>	\$298,433.22	Included	\$298,433.22	\$112.31/student (2,657 students)
<b>Third Grade</b> National Geographic <i>Exploring Science,</i> <i>Exploring Science</i> <i>through Literacy</i> and ETA Hand2Mind Science Kits	\$266,936.75	8 days included	\$266,936.75	\$93.89/student (2,843 students)

# Cost Analysis

	Instructional Material Cost	Professional Development Cost	Total Cost	Cost per Student (# of students)
<b>Fourth Grade</b> National Geographic <i>Exploring Science, Exploring Science through Literacy</i> and ETA Hand2Mind Science Kits	\$282,291.00	8 days included	\$282,291.00	\$94.09/student (3,000 students)
<b>Fifth Grade</b> HMH <i>Science Dimensions</i>	\$254,351.00	\$72,100.00	\$326,451.00	\$108.27/student (3,015 students)
<b>Sixth Grade</b> HMH <i>Science Dimensions</i>	\$293,850.00	\$63,375.00	\$357,225.00	\$117.04/student (3,052 students)

# Cost Analysis

Total cost for purchase of First – Sixth Grade instructional materials is **\$1,755,467.03**





# Evaluation of Change

- Analyze end of unit performance tasks
- Gather feedback and insight from teachers on the instructional materials during quarterly meetings and Professional Practice Days

