

Science and Early Childhood

D23 Curriculum Adoption

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Student Services

Thursday, April 11, 2024

Curriculum Review Cycle



District 23 Curriculum Review Cycle*

Curricular Area	FY Adopted	Instructional Materials	Curriculum Review	FY Adoption & Implementation
Science	2016-17	Mystery Science K-5, STEMScopes 6-8 (2015 adoption)	2023-24	2024-25
Early Childhood	2016-17	Creative Curriculum – Teaching Strategies Gold	2023-24	2024-25
Math (K-5)	2019-20	Ready Math & iReady	2024-25	2025-26
Math (6-8)	2019-20	Ready Math & iReady, Algebra 1	2024-25	2025-26
LMC	2019-20	Teacher-Created	2024-25	2025-26
STEM/Ind. Tech	2020-21	Teacher-Created	2025-26	2026-27
Art	2020-21	Teacher-Created/ Deep Space Sparkle	2025-26	2026-27
Music	2020-21	Teacher-Created/ Quaver.com	2025-26	2026-27
Family and Consumer Sciences	2020-21	Teacher-Created	2025-26	2026-27
Social Emotional Learning (SEL)	2020-21	Second Step, Common Sense Media	2025-26	2026-27
Physical Education	2020-21	Teacher-Created/ SPARK!	2025-26	2026-27
Health	2020-21	Teen Health Course 3 Glencoe@2021	2025-26	2026-27
Spanish	2020-21	Vista Learning- Descubre@2022	2025-26	2026-27
Off Year				
Reading/LA	2022-23	Into Reading/Arriba la Lectura (K-2nd) HMH Wonders/Maravillas - McGraw Hill (3th-5th) StudySync - McGraw Hill (6th-8th) Handwriting - K-3 (Zaner Bloser)	2027-28	2028-29
Social Studies	2023-24	McGraw Hill World History Voices & Perspectives Gr. 6-8 TCI Social Studies Alive! Gr. 3-5 Teacher-Created Gr. K-2	2028-29	2029-30

*Curriculum review, recommendations, and adoptions are all tentative and dependent upon needs, state requirements, and budgetary constraints.

D23 Vision: Students are engaged, inspired, and empowered to collaborate, learn, and grow.



01 Review the Next Gen. Science Standards.

02 Identify gaps in curriculum & current needs.

03 Collaborate on common practices & needs.

Science Committee Timeline

1

Review goals
and standards

September 27

2

Staff input survey &
create review rubric

October 18

5

Final decision &
next level of work

March 6

4

Vendor
presentations

December 13,
January 17, &
February 21/28

3

Review samples &
limit down options

November 15

6

Curriculum maps &
planning for the
future

April 3



Next Generation Science Standards and the Shifts in Learning



4 Key Interdisciplinary Areas of Science

- Life Sciences
- Earth and Space Sciences
- Physical Sciences
- Engineering, Technology,
and Application of Science



Focusing on the Strength of Evidence Collection

- Systems thinking and modeling to explain phenomena allows students to discuss open-ended questions that focus on the strength of the evidence used to generate claims.



Student Investigations with Multiple Outcomes

- Students conduct investigations with a range of possible outcomes that collectively lead to a deep understanding of established core scientific ideas, solve problems, and engage in discussions with teachers' guidance.



Evaluation of Materials

To Narrow Our Selection, We Used...

Surveys

We asked teachers about what we need to consider for our new Science curriculum.

Staff Feedback

We gathered additional feedback from teachers later in the curriculum review process.

Piloted Materials

Teachers were asked to teach a few lessons using some of the sample materials.

Vendor Presentations

We participated in vendor presentations from 3 vendors at the elementary level and 5 vendors at the middle school level.

Rubrics




- Promote student engagement & inquiry
- Align to content & standards
- Promote dialogue & discussion
- Students learn from a variety of sources



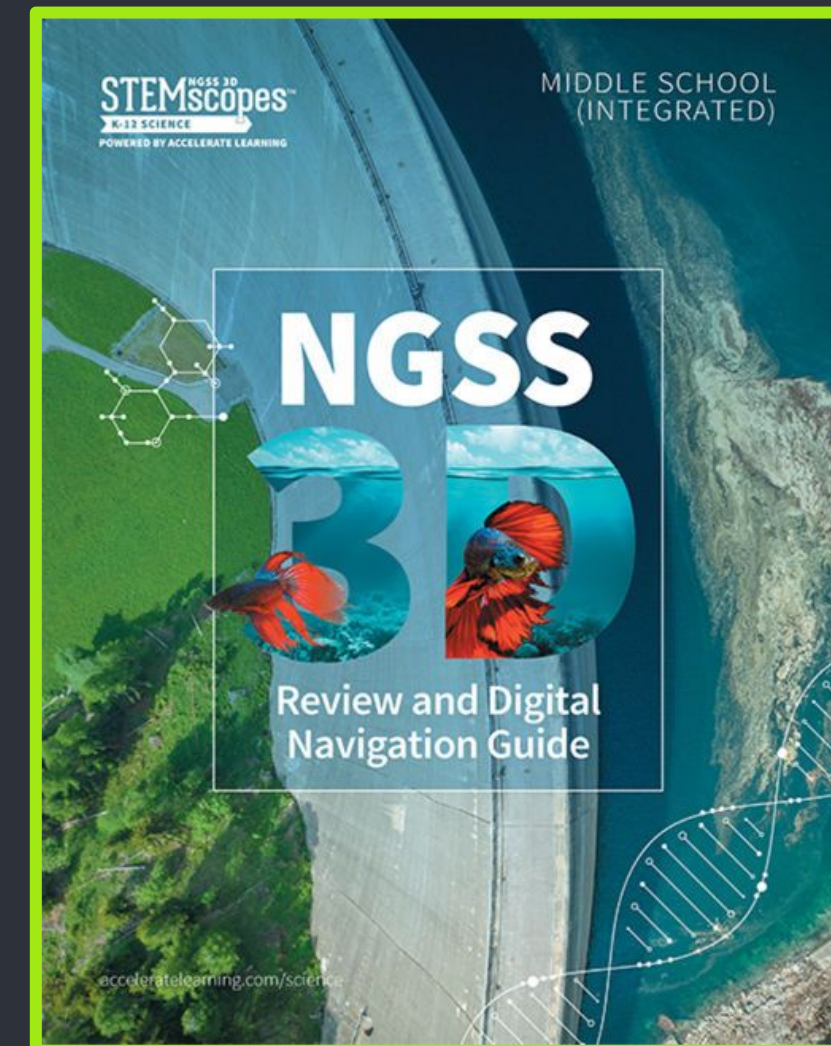
Recommended Materials



Grades K-2 See more >

 <p>Weather Conditions K • Have you ever watched a storm?</p> <p>✂ Lesson + Activity ✔ Standards Aligned</p>	 <p>Camouflage & Animal Survival 1st • Why are polar bears white?</p> <p>✂ Lesson + Activity ✔ Standards Aligned</p>	 <p>Materials, Properties, & Engineering 2nd • Could you build a house out of paper?</p> <p>✂ Lesson + Activity ✔ Standards Aligned</p>
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Mystery Science by Discovery Education
(Kindergarten - 5th Grade)



STEMscopes by Accelerate Learning
(6th Grade - 8th Grade)



Instructional Materials Costs

Mystery Science
(K - 5th)

Costs:

Curriculum : \$28,110

Supplies: \$425 per team annually (\$15,300 per 6 yrs)

Science A-Z Cost: \$5,056 annually

(\$12,555 in curriculum savings)

(\$1,597 in A-Z savings)

(\$5,000 in supplies savings)

STEMscopes
(6th - 8th)

Curriculum Cost: \$31,185

Supplies Cost: \$130,189

(\$40,000 in supplies savings)

***6-year subscription**



Science Committee Members



Ike

Kindergarten: Ally Washak
1st Grade: Joan Lewis
Coach: Lisa Schmidt
Principal: Luke Lambatos

Ross

2nd Grade: Stella Prosek
2nd Grade: Lisa Ravenscraft
3rd Grade: Nazera Chartouni
Coach: Leslie Jasper
Principal: Stephanie Gage

Sullivan

4th Grade: Kaelee Donohue
5th Grade: Vicky Vargo
Coach: Kristene Ganek
Principal: Traci Meziere

MacArthur

6th Grade: Heather Jackson
6th Grade: Stephanie Ritter
7th Grade: Kristen Foley
7th Grade: Diane Moon
8th Grade: Jeni Teramoto
8th Grade: Kim Basile
Coach: Kelly Brockway
Asst. Principal: Mike Kaper
Principal: Cam Nystrom

District

Tech Coach: Hannah Sutter



We Can't Wait

for Our New Curriculum! +



Early Childhood Committee Timeline

1

**Review IELDS
& Creative Curriculum
Research**
September 20

4

**MTSS in Early
Childhood**
March 5

2

**“Creative Curriculum”
Deep Dive**
November 1

5

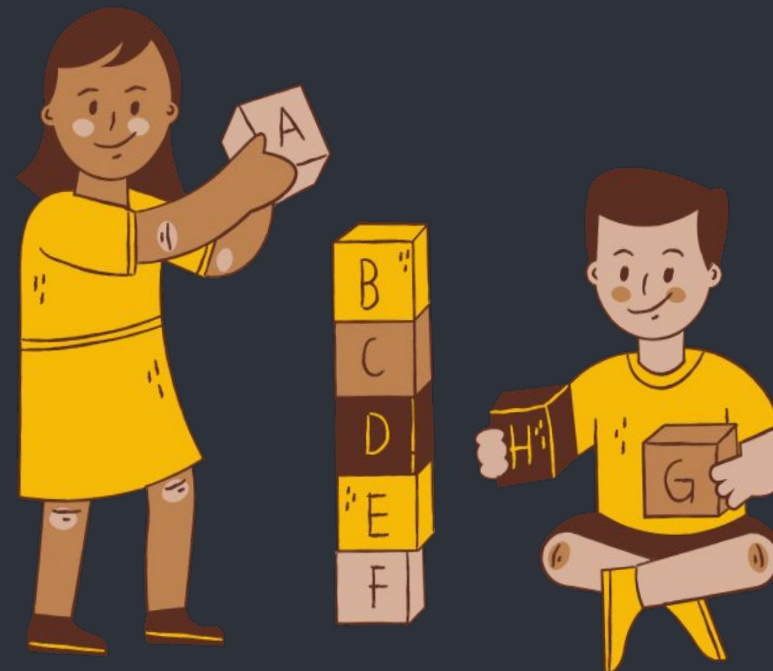
**Resources & Family
Partnerships**
April 11

3

**Program Observations &
Curriculum Cycle
Development**
January 16

6

**Assessment &
Progress Monitoring**
May 9, 2024





Program Visits



Preschool Program at Irving Elementary
Berwyn South School District 100



Meridian Early Learning Center
Aptakisic-Tripp District 102

Creative Curriculum Overview

- Empowers every teacher, from novice to master, to individualize learning
- Creates joyful, inspired learning environments for every child
- Inclusive! Supports all children
- Utilizes the whole child approach
- Promotes language and literacy, letter knowledge, and phonological awareness
- Supports executive functioning
- Aligned to IELDS



Early Childhood Curriculum



Committee Members



EC Blended Teacher: **Nicole Berry, Kim Haas**

EC Instructional Teachers: **Jessica Slowik, Jeannie Whitfield**

Related Services Team: **Tricia Walsh (OT), Mark Lewinthal (OT), Tanya Bratko (PT), Cheryl Kreiman (SLP), Abra Zaveduk (Social Worker)**

Instructional Coach: **Lisa Schmidt**

Principal: **Luke Lambatos**

Co-Facilitator: **Shawna Hoots (Psychologist)**

Contact Us



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Credits

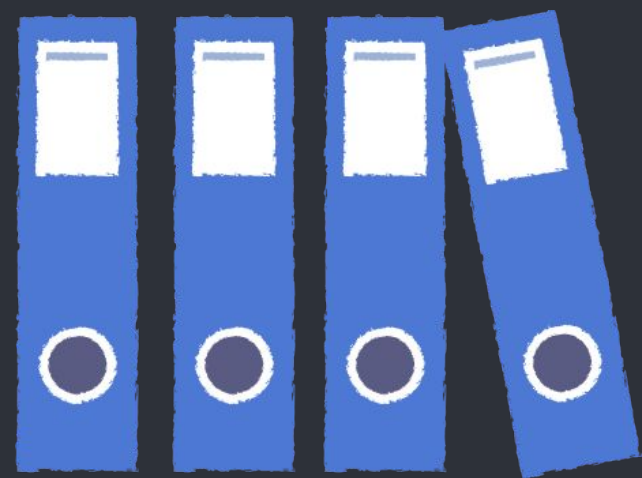


Slides Carnival

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HAPPY DESIGNING!