Paradise Valley
Unified School District

Paradise Valley Unified School District | Meeting Minutes

K-12 Science Curriculum Resources Committee Meeting #2

Date: Apr 22, 2025

Time: 4:00 - 6:00 PM

Location: PVUSD District Office, District Training Center South Room, 15002 N. 32nd Street, Phoenix, AZ 85032

Facilitator: Robin Hayward (Secondary STEAM and Science Curriculum Specialist) and Krysta Perez (Elementary STEAM and Science Curriculum Specialist

Committee Members Present:

- **Administrator Representative** –Jean Koeppen, Assistant Superintendent of Curriculum & Instruction
- **Community Member Representative** – Heather Kohn, Honeywell Engineer
- **Teaching Staff Representative** – Alexandria Weiss, 7th/8th grades

  Annie Davis, high school-LD Earth, environmental, biology
  Ayesha Pwaskar, 7th/8th grade
  Debbie Arn, 4th grade-gifted
  Deborah Adams, gifted content replacement
  Djin Beauregard, 5th grade
  Donna Kirkpatrick, 3rd grade
  Gloria Perez, 1st grade-Spanish immersion
  Jenae Sidwell, 5th grade
  Katie Jenkins, 7th and 8th grade
  Kayla Vronoski, LAS 2nd-5th grades
  Kelsey Spear, 2nd grade
  Lauren McHugh, 5th grade
  Mackenzie Dye, high school - honors and ap biology
  Melissa Sarnowski, kindergarten-ELD
  Misty Hoyt, 5th and 6th grade-CG
  Nanci Walker, ELD instructional coach
  Paulette Wilson, 8th grade
  Sarah Booth, 6th grade
- **Principal Representative** – Ann Furnish, elementary principal

  Jorge Ontiveros, middle school principal
  Ashley Kilcullen, high school principal

- **Parent Representative** – Carol Culberson

  Benjamin Grover

Judith Wyatt

Purpose: To build a deeper understanding of Arizona Science Standards through a shared experience with a phenomena and expand on criteria to consider when choosing a curriculum.

Outcomes:

- Review vendor list and discuss additions and subtractions
- Experience sensemaking to connect with Arizona Science Standards
- Analyze the 3 dimensions of the science standards
- Investigate how the ADE State of Science document connects to curriculum.
- Explore differences between K-6 and 7-12 science logistics
- Engage in a vertical articulation discussion
- Reach consensus on categories to include in the evaluation rubric
- Review rubric examples

Agenda

I. Welcome

A. Introductions of Committee Members

II. Vendors

A. Review vendor list

B. Discuss additions or reductions

C. Move forward with proposals for May 22nd Meetings.

- Reviewed vendor list for 3 more minutes
- No curriculum was suggested for removal; but it came up in the conversation that CK12 has some errors
- Pathways was already on the list; FOSS Next Generation was added to the list also because it is K-6 (as opposed to Pathways K-5)

III. Sensemaking Experience

A. Experience a phenomenon

B. Connect that phenomenon to science and engineering practices

- Experienced sensemaking as a learner, investigating the Fortune Teller Fish; about 30 minutes
- Conversation after lead to many observations of multiple Science and Engineering Practices being employed during the experience

- Discussion of how to use evidence from this experience in evaluating curriculum

IV. Arizona Science Standards and State of Science

A. Engage with Arizona Science Standards

B. Engage with ADE State of Science Document

- Discussion of how the standards work K-12
- Explored Section 2: Planning and Section 4: Instruction and Learning of the ADE State of Science Document; found connections to aid in curriculum evaluation

V. Differences between K-6 and 7-12

A. Explore key considerations for K-6 curriculum

B. Explore key considerations for 7-12 curriculum

C. Find commonalities and key differences between K-6 and 7-12

- Key discussion in Elementary Breakout: Looked at considerations–time constraints, accessibility of tools and materials, differentiation for ELD, Sped, Gifted, availability for DLI, and importance of hands-on learning for all students
- Key discussion in Secondary Breakout: Considered common final and AzSci alignment, honors vs. regular courses, dual enrollment and AP courses, IEP and ELL students, vertical alignment with lower grades, cost, sustainability of consumable materials, connection to ELA, Training and support available, and parent access of curriculum. We also discussed that students as they get older seem to become less curious. How can curriculum help improve engagement and wonder in secondary students?
- Vertical Articulation Whole Group Discussion: All students have and are expected to continue to have access to one-to-one devices. Question of availability of new curriculum and training before summer of 2026 to prepare for the 2026-2027 school year.

VI. Vertical Articulation

A. Engage with vertical articulation of science and engineering practices and disciplinary core ideas.

B. Discuss how curriculum supports vertical articulation within the district.

- Brief overview of K-12 progression of SEPs, CCCs, and DCIs
- Will look more at vertical articulation in future meetings

VII. Rubrics

A. Use evidence from earlier segments to build consensus around rubric categories.

B. Compare our categories with rubric examples

- Moved full discussion to next meeting
- Optional homework to begin looking at some rubric examples

VIII. Communication

A. Communication

B. Meeting Evaluation

- Thanks provided for good meeting facilitating
- Offer to send +/ to Robin and Krysta via email

IX. Call to the Public and Questions

A. Community Member Comments

- No public comments

X. Next Steps

A. Thank you for your service

B. Next Meeting - Tuesday May 6th from 4:00 pm to 6:00 pm in the District Training Center South.

- Homework to read or listen to AI-created podcast on chapter one of "Framework of K-12 Education" or "Rise and Thrive with Science" + read through Notice and Wonder Questions/Responses–attachments on slide 49 of the presentation

Meeting was adjourned at 06:01 p.m.

Curriculum Adoption Meeting #2 - 4/22/25

Curriculum Adoption Meeting #1 - 4/15/25