

Secondary Science Curriculum Adoption Committee Meeting

Thursday, April 20, 2023
SUSD Oak Campus

Call to Order



Roll Call and Welcome

Roll Call

Name

Something POSITIVE from your experience on this committee:

- something you have learned
- something you have enjoyed
- a funny moment
- a newly formed core memory



THE Committee

Middle School Group

Christen Anderson - Teacher
Keri Cavanaugh - Teacher
Tammy Clow-Kennedy - Counselor
Chris Hain - Teacher
Stacy Hency - Teacher
Amanda Holley - Teacher
Jena Krahll - Teacher
Lori Kelly - ELD Coach
Janeva Mammina - Teacher
D'Anne McDaniel - Teacher
Jodi Meyers - Parent
Kelsea Reimer - Teacher
Holli Scharf - Administrator

Life Science Group

Angie Berk - Teacher
Elizabeth Bond - Teacher
Sean Collier - Teacher
Betsy Fisher-Pai - Parent
Danielle Hawkins - Teacher
Julie Koshy - Teacher
Paula Sabato - Teacher
Luke Strohmeyer - Teacher

Chemistry Group

Rissel Langbecker - Parent
Anne Milligan - Teacher
Dr. Bradley Wagstaff - Teacher
Laura Weeshoff - Community Member

Physics Group

Patricia Bordonaro - Teacher
Jill Dunican - Parent
Hannah McKolay - Teacher
Philip Root - Community Member

Committee Support

Dr. Kim Dodds Keran - Director of Teaching and Learning

- Committee Co-Chair

Johanna Kaiser - Science Academic Coach

- Committee Co-Chair

Dede Johnston - Instructional Materials Coordinator

Tyler Carey - Former Instructional Materials Coordinator

Minutes from March 23, 2023

Discussion and Approval of Meeting Minutes from March 23, 2023

Minutes from March 30, 2023

Discussion and Approval of Meeting Minutes from March 30, 2023

Agenda and Norms

Agenda for Thursday, April 20, 2023

1. Call to Order
2. Roll Call and Welcome

Information/Discussion and Possible Action

3. Approval of Committee Meeting Minutes from March 23, 2023 meeting
4. Approval of Committee Meeting Minutes from March 30, 2023 meeting
5. Review Agenda and Norms
6. Group Discussions and Consensus of Selection of Recommended Materials
7. Group Presentations to Committee of Selection of Recommended Materials
8. Committee Approval of Group Recommendations of Materials
9. Future Dates

SUSD Strategic Plan



From Meeting #1

GOAL 1: **ACADEMIC EXCELLENCE**

Challenge and inspire students to reach high levels of achievement so they thrive as confident, dynamic, future-ready learners equipped to pursue their passions and ambitions. Commitments:

- 1.1:** Provide learning opportunities that ensure all students graduate prepared for relevant and viable postsecondary higher learning and careers.
- 1.2:** Cultivate critical and creative thinking by integrating problem-based learning opportunities throughout the curriculum.

GOAL 5: **OPTIMIZED RESOURCES**

Generate and utilize resources to maximize educational opportunities in order to ensure organizational health.

5.3 *Ensure equitable distribution of resources to meet the needs of our students.*

Committee Purpose and Objective

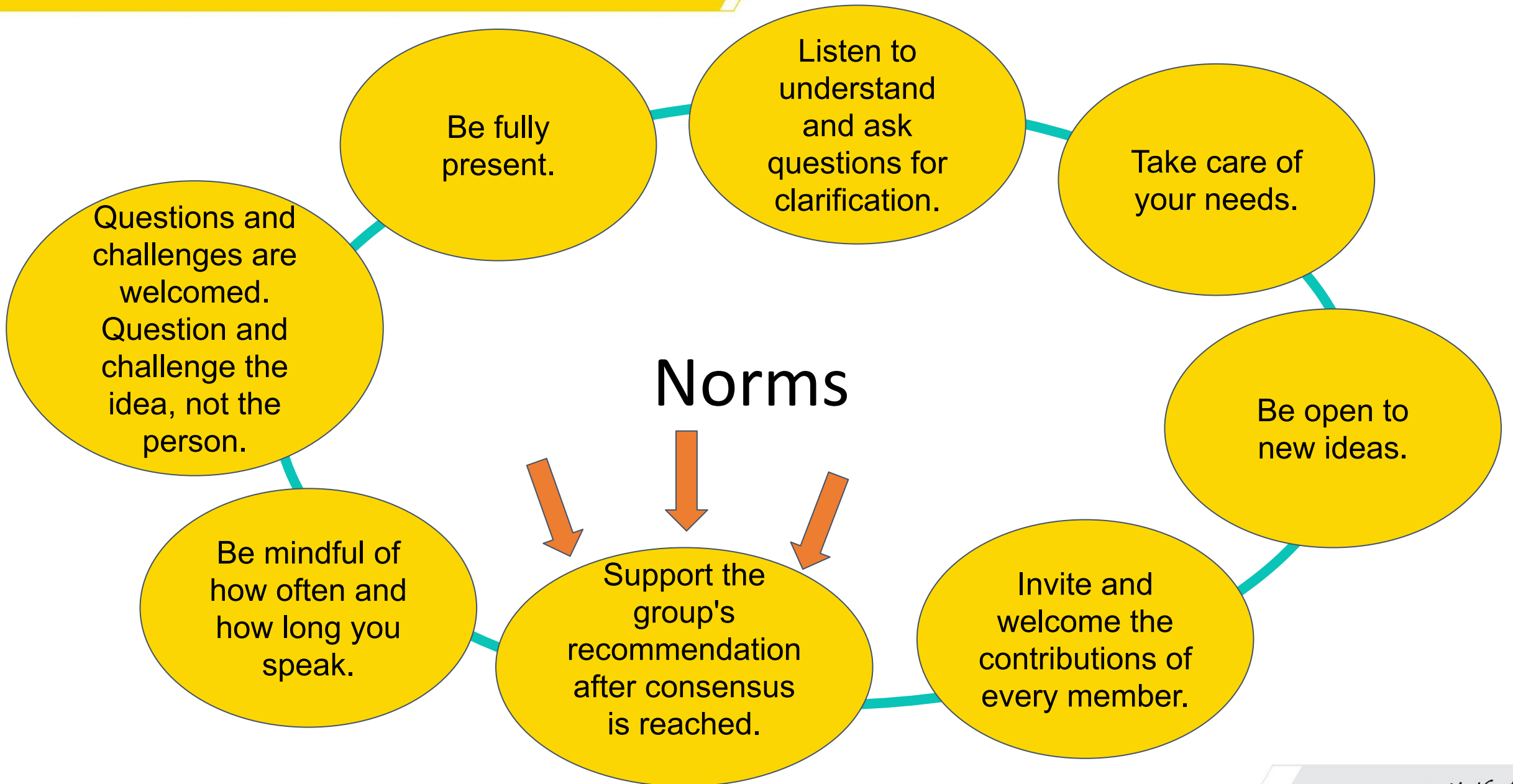
Purpose

The purpose of the Secondary Science Curriculum Adoption Committee is to review, evaluate, and recommend quality and appropriate textbooks and instructional resources for approval by the district Governing Board.

Objective

The committee will:

- Learn about current best practices in three-dimensional science instruction including (but not limited to):
 - explaining phenomena and/or designing solutions to problems,
 - using science and engineering practices to actively engage students in science learning,
 - integrating disciplinary core ideas and crosscutting concepts to drive student learning,
 - science sensemaking,
 - three-dimensional performance assessments.
- Learn about Arizona Science Standards and Arizona science education requirements.
- Develop rubric criteria to be used to evaluate science textbooks and resources.
- Review and evaluate science textbooks and instructional resources.
- Recommend textbooks and instructional resources to the Governing Board for formal approval and adoption.



Group Discussions and Consensus of Selection of Recommended Materials

Group Discussions and Consensus

Groups will meet and come to consensus on recommended materials.

Groups will complete Group Presentation slides

- Information on these slides will be used to create the Board Presentation.
Slides drafts and are for Group Use only

[Group Presentation Slideshow](#)

Clarifying Decision-Making Process

Defining Consensus

Defours et al - Definition of Consensus:

All points of view have been heard.

The will of the group is evident even to those who most oppose it.

If all members of a committee/group must agree - or if every member of a committee can veto taking action - groups will be subjected to constant inaction... a state of perpetual status quo.

Without a shared understanding of consensus, persons determine their own standards.

Consensus decision making is a group decision making process that seeks consent of all participants where everyone's opinions are heard and understood. It is an acceptable resolution; one that can be supported, even if it is not the "first choice" or "favorite" of each individual.

Clarifying Decision-Making Process

Defining Consensus



From Meeting #1

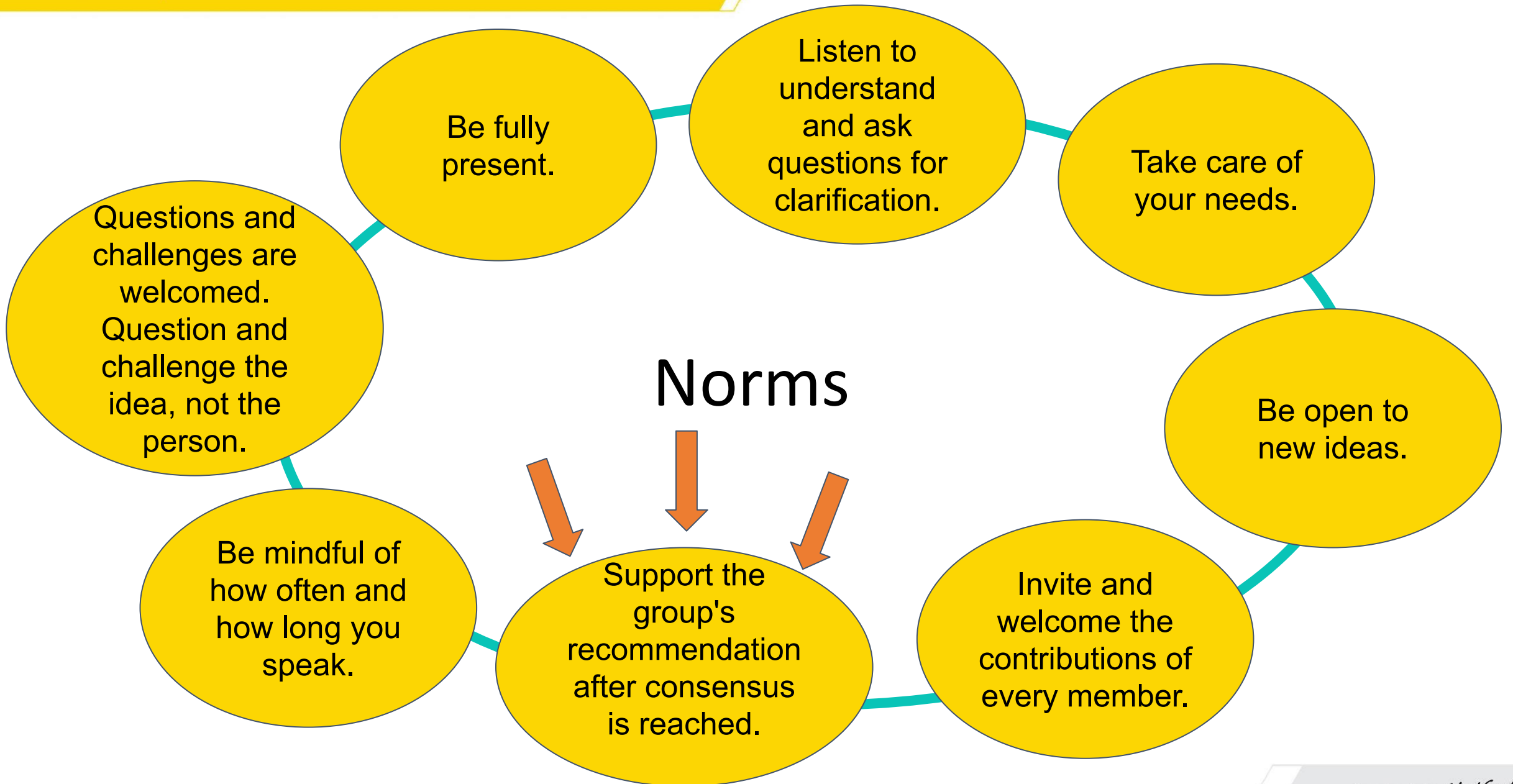
Consensus is...

- Consenting to a proposal because **group members choose to cooperate** with the direction of the **group rather than insist on their personal preference.**
- ***“Is this proposal something you can live with?”*** While group members may be willing to go along with a proposal, **they do not actually need to favor it above another choice.**
- To ***“consent”***. This means that even if group members disagree, **there is still overall consent to move forward** in order to settle the issue.

Group Presentations

Committee Approval of Group Recommendations

Discussion and Approval of Recommended Science Materials for Adoption



Words Create Worlds

Away from Deficit-Framing Language → Towards Asset-Based Language

Deficit-Framing Language	Asset-Based Language
needs driven	strengths driven
problems focused	opportunity focused
externally focused	internally focused
What is missing that we must go find?	What is present that we can build on?
Examples of using asset-based language	
Kids and teachers can't remember all the different websites and passwords to log into online curriculum resources.	Teachers and students are most successful when online curriculum can be accessed through Single Sign-On and the SUSD Clever portal.
My students can't read this level of text.	Students in my class have varied reading levels. Some would benefit from access to resources such as text to speech and interactive texts to help them read and understand passages.
There is not enough prep time for teachers to make presentations and assessments from scratch.	Teachers will have more time to prepare lessons and activities if provided with presentations and resources created by the curriculum to use as a foundation.

Future Dates

Upcoming Dates

Optional

Wednesday, April 26, 2023 from 4:00 - 6:00

at SUSD Oak Learning Campus 7501 E Oak St, Scottsdale, AZ 85257

Practice Governing Board Presentation

Science Curriculum Adoption Related SUSD Governing Board Meetings

First Read (presentation, information)

Tuesday, May 2, 2023, 6:00 pm

at Mohave District Annex, 8500 E Jackrabbit Rd, Scottsdale, AZ 85250

Second Read (possible action item)

Tuesday, May 16, 2023, 6:00 pm

at Coronado High School, 7501 E Virginia Ave, Scottsdale, AZ 85257

*Public review of materials remains open until Tuesday, May 16.

TEACHER Summer PD Institute - Curriculum Mapping

About the Session:

During this collaborative time, teachers will work together to develop a comprehensive and cohesive curriculum map for the newly adopted science curriculum. The goal of the collaboration is to create a shared understanding of the learning objectives, pacing, labs, and assessments that will be used throughout the year.

To start the process, the teachers will review the science standards and learning objectives for their course. They will then identify the key concepts and skills that need to be taught and map out a timeline for when these topics will be covered. The group will discuss and agree upon the pacing and sequencing of these topics to ensure that they are covered in a logical and coherent manner.

As they work, teachers will also discuss formative and summative assessments that align with the curriculum. Throughout the collaborative time, teachers will share their expertise, knowledge, and experiences to create a well-rounded curriculum that incorporates different teaching approaches and techniques. Teachers will discuss and document opportunities for deeper learning and exploration of topics to ensure that students in Honors classes are challenged and engaged in meaningful ways. Additionally, teachers will identify areas of focus to plan interventions and differentiated instruction to ensure that all students are progressing toward mastery of the learning objectives. At the end of the collaborative time, teachers will have a detailed and comprehensive curriculum map that outlines what will be taught, when it will be taught, how it will be taught, and how it will be assessed. The map will serve as a blueprint for the upcoming year and will ensure that all teachers are on the same page when it comes to the science curriculum.

Summer PD Institute - Science Curriculum Mapping

Tuesday, May 30	Wednesday, May 31	Thursday, June 1	Friday, June 2
8:00 am - 12 noon	8:00 am - 12 noon	8:00 am - 12 noon	8:00 am - 12 noon
6th Grade (Regular, Honors, CGP) 7th Grade (Regular, Honors, CGP) 8th Grade (Regular, Honors, CGP)	6th Grade (all) 7th Grade (all) 8th Grade (all)	6th Grade (all) 7th Grade (all) 8th Grade (all)	
1:00 - 4:00 pm	1:00 - 4:00 pm	1:00 - 4:00 pm	1:00 - 4:00 pm
Biology I (Biology I, Honors Biology I, Pre-AP Biology, Pre-AP Biology Honors) Chemistry I (Chemistry I, Honors Chemistry I, Pre-AP Chemistry, Pre-AP Chemistry Honors) Physics I (Physics I, Honors Physics I, Physics First, Honors Physics First)	Biology I (all) Chemistry I (all) Physics I (all)	Biology I (all) Chemistry I (all) Physics I (all)	Biology I (all) Chemistry I (all) Physics I (all)

Meeting
adjourned!

