

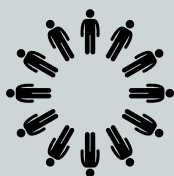
# EQUITABLE DISCOURSE

Productive science talk centered around a phenomenon where all students are actively sharing and clarifying their thoughts to deepen their understanding while fostering a collaborative learning environment where every voice is valued and heard.

## Essential Components of Equitable Discourse

### CLASSROOM ARRANGEMENT

Changes to the physical arrangement of the classroom is necessary to shift whose voice and ideas are valued and heard in the discussion.



### COMMUNITY

Establishes an equitable, safe and supportive learning environment encourages students to be open to share their ideas and experiences with others.

### CULTURE

Bridges learning between school, community and the students' everyday lives to show students their individuality is valued.



### PHENOMENA

Phenomena provides the opportunity to wonder, ask questions, and seek explanations about a phenomenon or problem. Engages students in three-dimensional learning as students work together to communicate their ideas, gather feedback and refine their thinking.



### COMMUNICATION

Reveals students' thinking to the teacher and classmates while capturing them in a visual way. Allowing students to see ideas from more angles and links to other concepts and meanings they already have.

### INTERACTION

Helps students develop social skills and motivates them to learn by collaborating with others.

### MULTIPLE MODALITIES

Supports students' sensemaking with multiple representations while encouraging participation of all learners to convey their science ideas through forms of action or expression.



### REAL WORLD

Empowers students to learn science true to the field by engaging in argumentation using evidence from their investigations.

### GROWING IDEAS

Broadens participation within the room where all students share, clarify and develop their ideas.

