

Learning Science within a Community of Scientific Practice

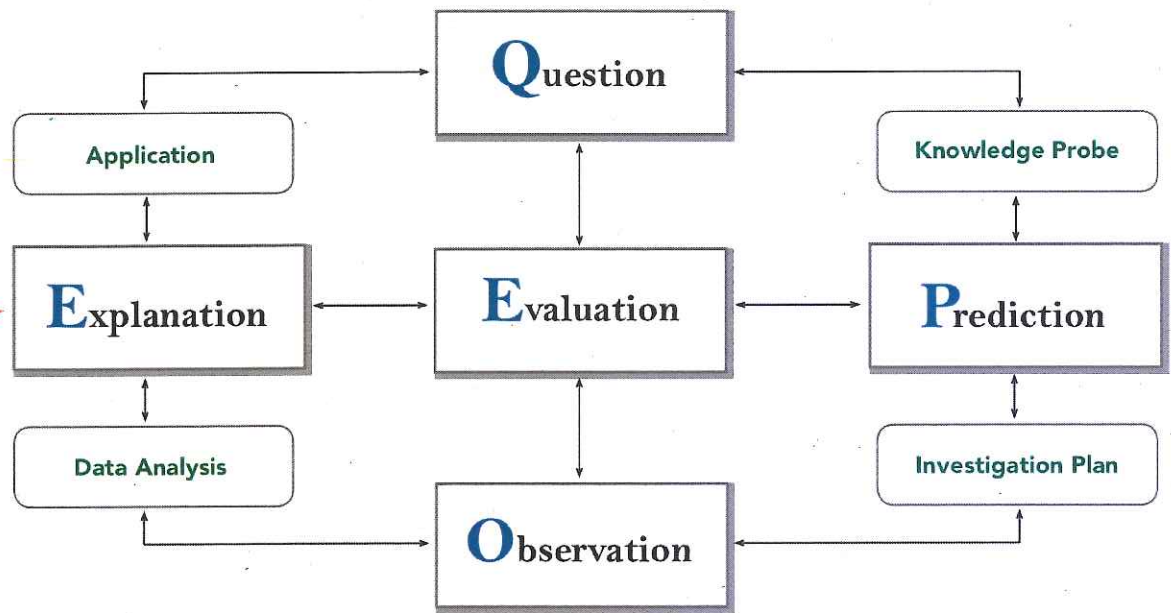


Habits of Mind

A Process of
Scientific Inquiry (QPOE₂[®])

Socially and Language Rich Environment

- Curiosity
- Openness to New Ideas/Informed Skepticism
- Creative Thinking
- Critical Thinking
- Persistence
- Adaptability
- Self-direction
- Integrity



- Mental Stimulation
- A Culture Supporting Risk Taking.
- Collaborative Structures
 ← individual small group whole group →
- Cooperative Interactions
- Shared Control
 ← teacher-directed student-directed →
- Negotiated Meaning
- Discourse:
Oral and Written

Habits of Mind + Scientific Inquiry + a Socially and Language Rich Environment = Improved Learning of Science