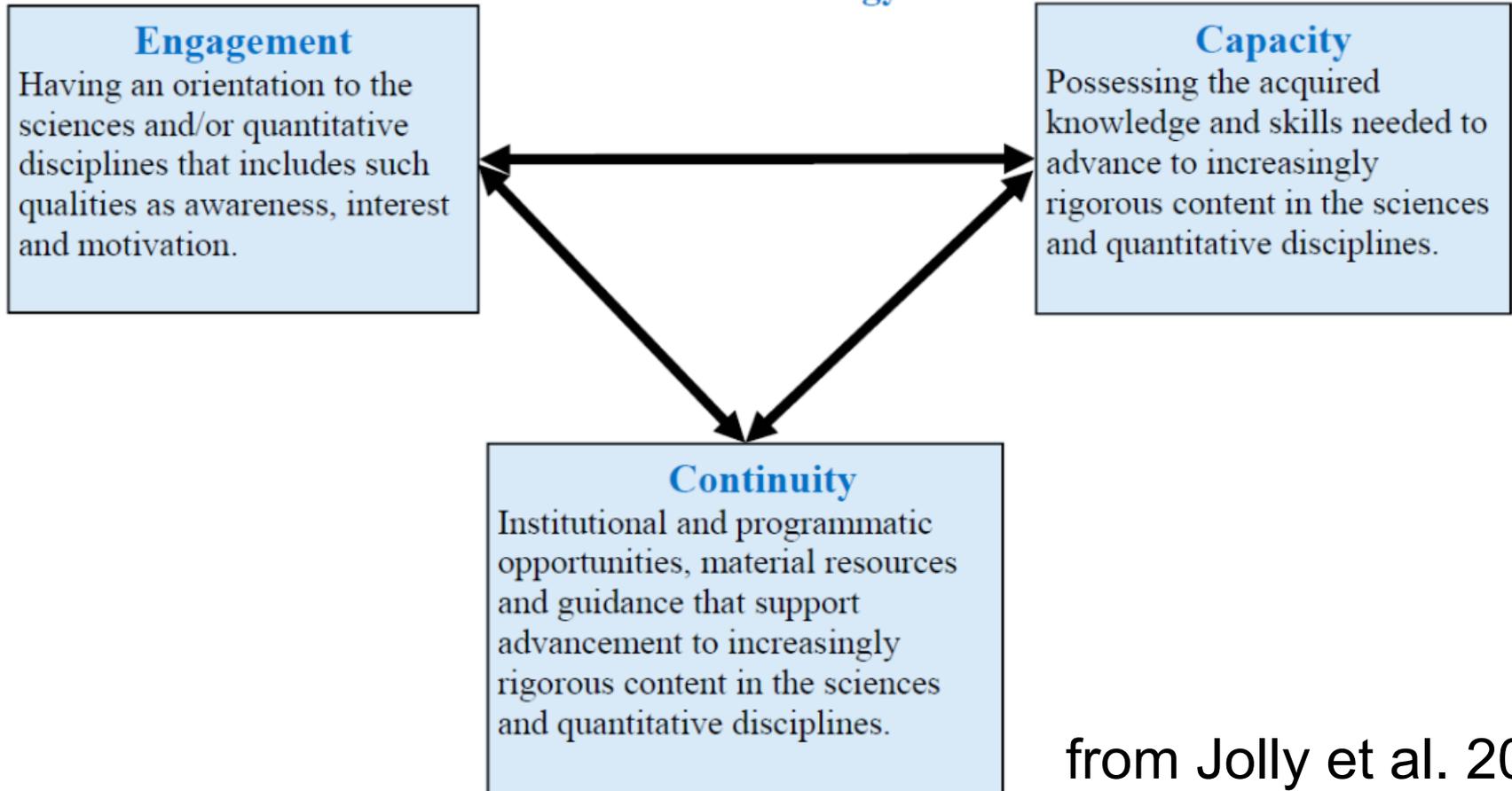


Strategies to Support All Students

The ECC Trilogy



from Jolly et al. 2004



Strategies to Support *All* Students

Engagement

- Behavioral (relevance to social circumstances)
- Emotional (fun, intriguing, intellectually rewarding)
- Cognitive (willingness to master complexity, sense of when something has been mastered)
- Vocational (fulfilling long-term aspirations)
- Belief or confidence in ability to pursue STEM

How to increase: include socially relevant activities (outreach, service learning), career counseling, alumni interactions



Strategies to Support *All* Students

Capacity

- Logical-mathematical
- Spatial
- Naturalistic (recognize and classify objects)
- Linguistic
- Becoming life-long learners

How to increase: allow students to demonstrate what they know and can do, include teamwork, open ended questions, less emphasis on speed/timed exams, provide hands-on, real-world experiences



Strategies to Support *All* Students

Continuity:

**Pathways or systems with resources for advancement
Structure needed for a student to flourish**

How to increase: make aware of required higher level courses, what they need to do to position themselves for career or 4YC, opportunities for scholarships, internships, financial support, tutoring, counseling, and other support services.

**Essential to have all 3 parts of ECC-
Trilogy model!**

**“We don’t need to do it all, but we must
see that it all gets done”**



Specific Examples of Increasing Engagement:

- **El Paso Community College (EPCC) Geo-ventures Program:** curriculum based field trips

<https://www.facebook.com/GeoVenturesElPaso/>

- **Service Learning program**
- **EPCCTejano Passport Program**

<https://www.epcc.edu/Services/TejanoPassport>

- [http://www.sacscoc.org/2018%20AM%20Handouts/CS%20Handouts/CS-41 Civil%20Engagement%20-%20Beyond%20the%20Frontier%20of%20Participation%20\(Quiros\).pdf](http://www.sacscoc.org/2018%20AM%20Handouts/CS%20Handouts/CS-41%20Civil%20Engagement%20-%20Beyond%20the%20Frontier%20of%20Participation%20(Quiros).pdf)





NAGT

InTeGrate

*Interdisciplinary Teaching about Earth
for a Sustainable Future*

Specific Examples of Increasing Capacity:

Active Learning: InTeGrate's EJ & freshwater module

https://serc.carleton.edu/integrate/teaching_materials/freshwater/index.html



Specific Examples of Increasing Continuity:

Capstone Courses: research methods, field methods

Guided Pathways Maps

