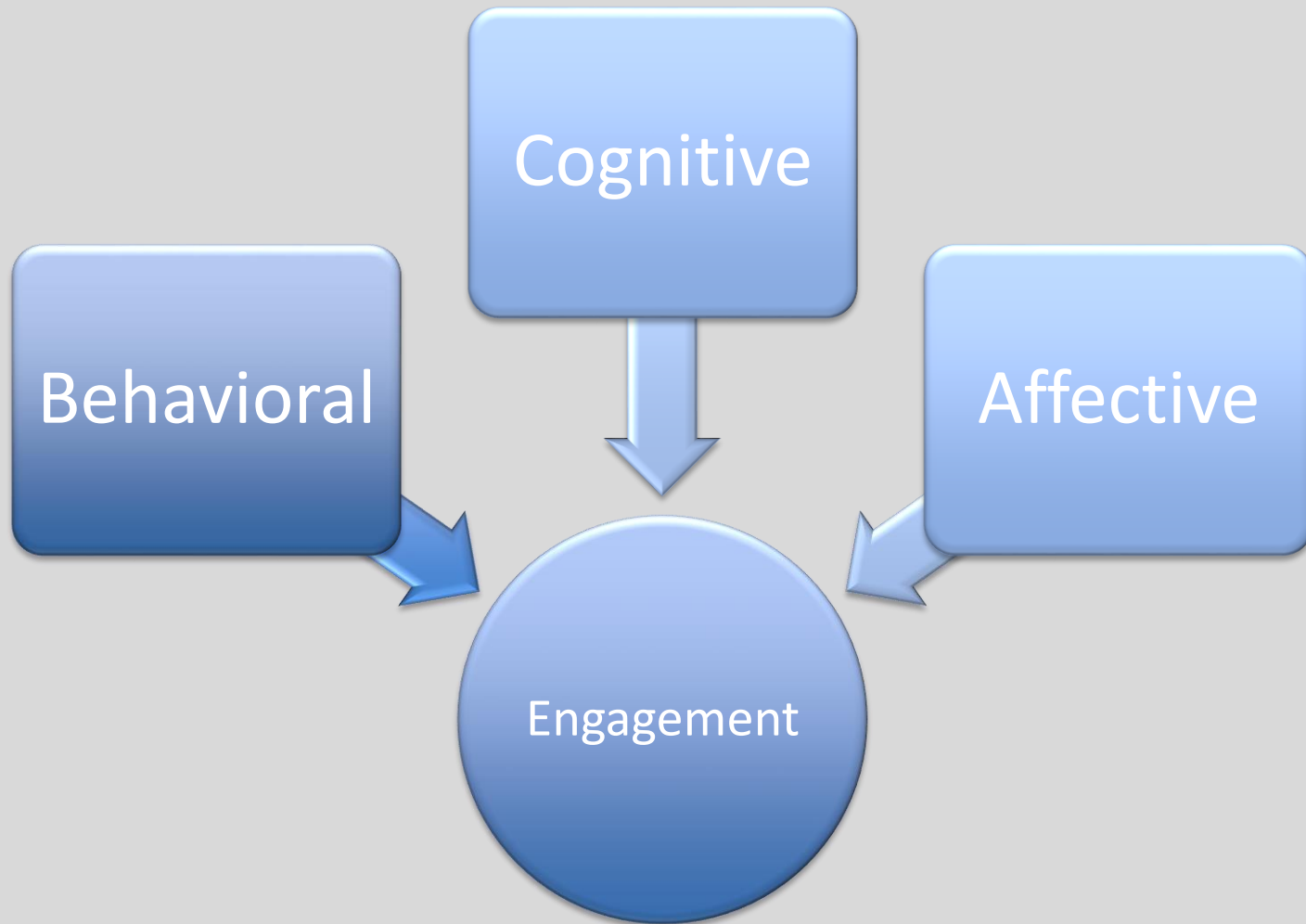


# Facilitating and Assessing Transformative Experiences

Benjamin C. Heddy and Jenel Cavazos



# Engagement (Fredricks et al., 2004)



# Engagement has been shown to:

increase motivation (Shernoff, 2012)



facilitate learning and conceptual change  
(Heddy & Sinatra, 2013)

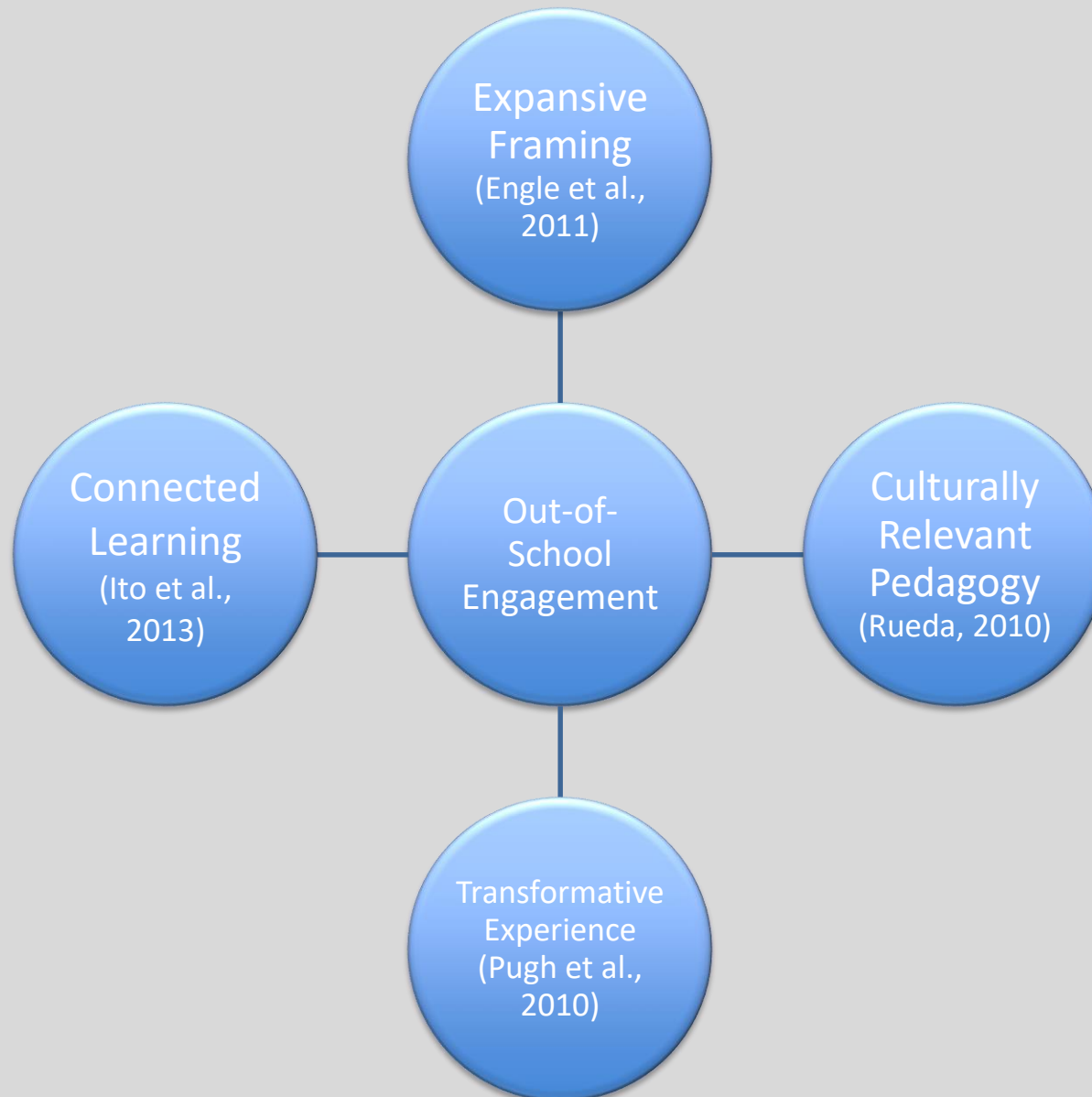


reduce dropout rates (Reschly &  
Christenson, 2012)

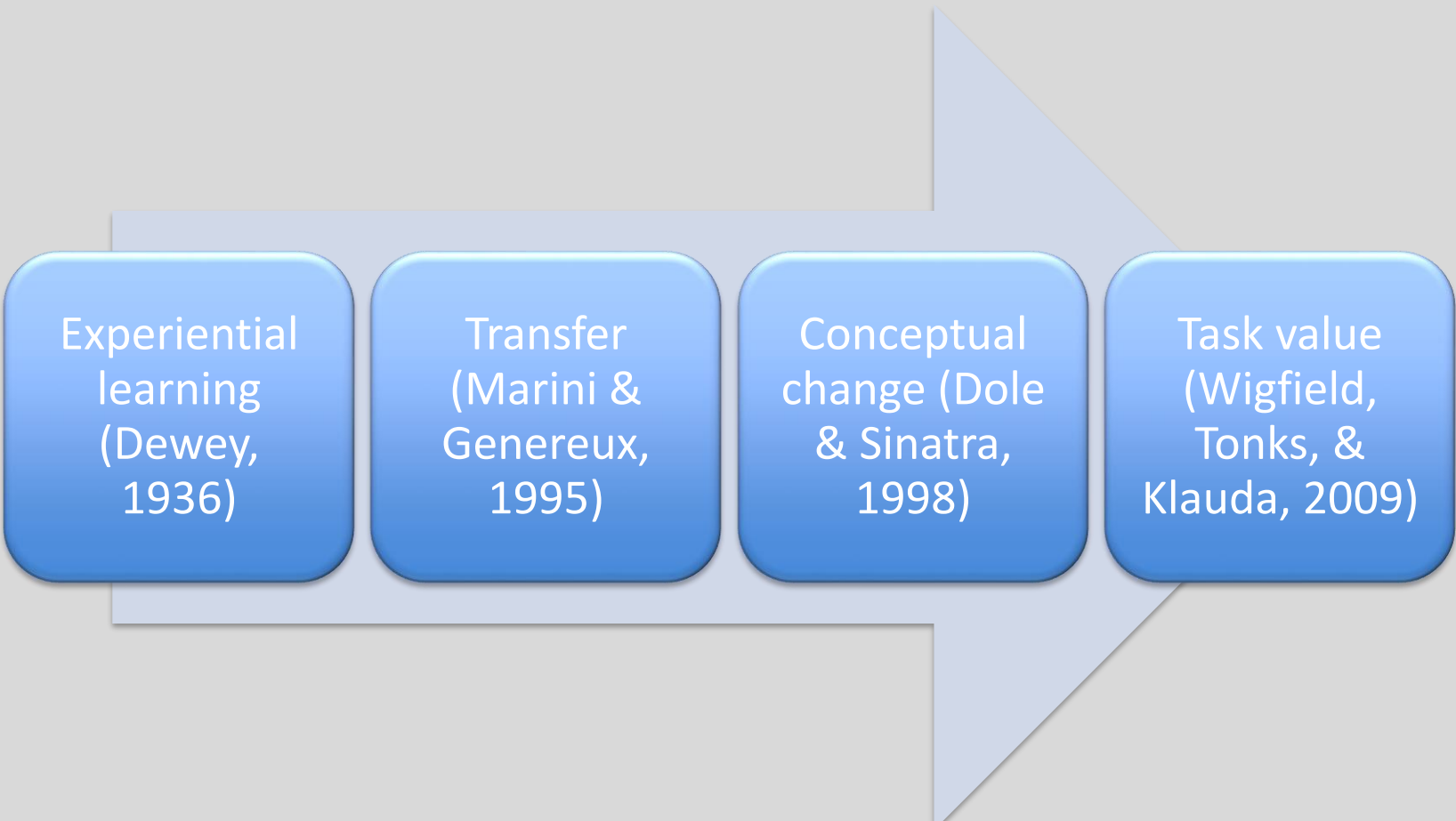


be particularly beneficial when it occurs in  
ones everyday experience (Ito et al., 2013)

# Out-of-School Engagement



# Transformative Experience as an integrative construct (Pugh, 2011)



Experiential  
learning  
(Dewey,  
1936)

Transfer  
(Marini &  
Genereux,  
1995)

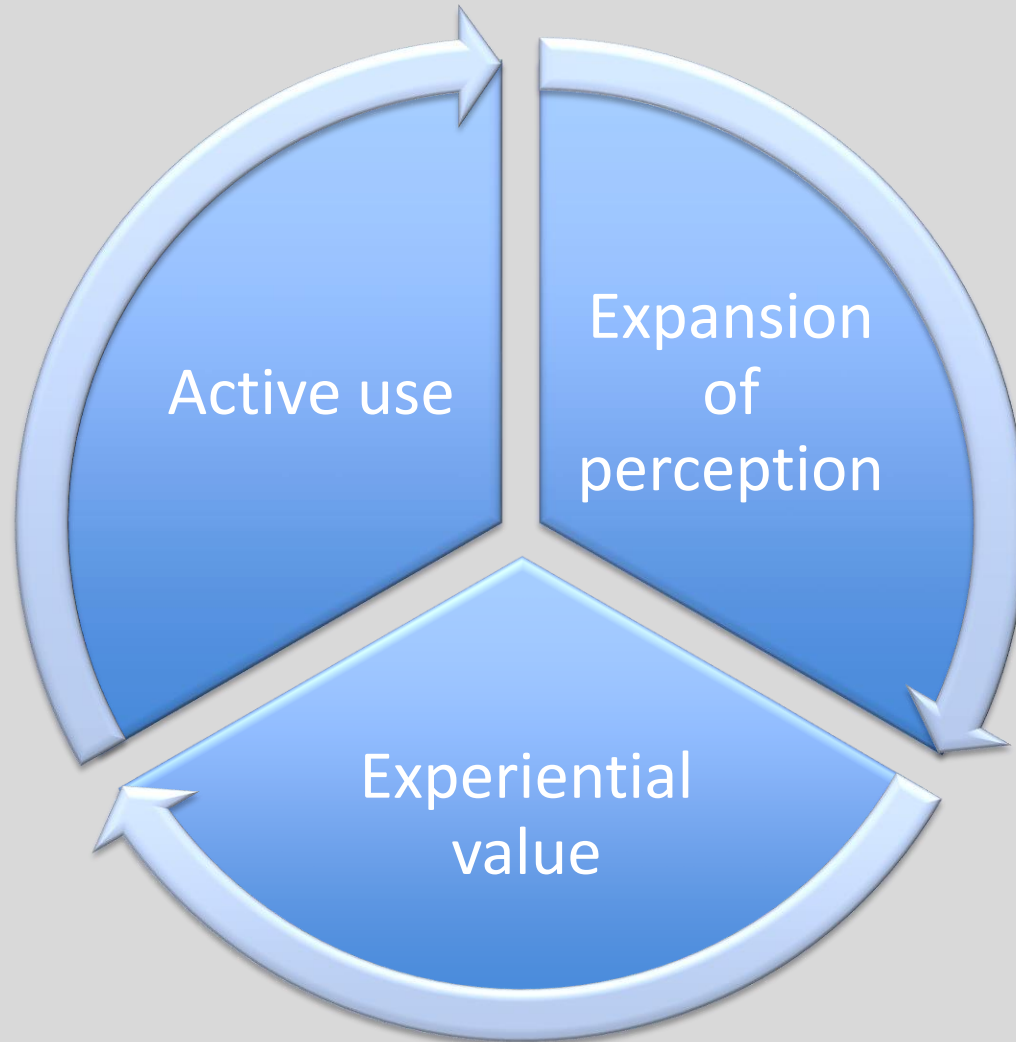
Conceptual  
change (Dole  
& Sinatra,  
1998)

Task value  
(Wigfield,  
Tonks, &  
Klauda, 2009)

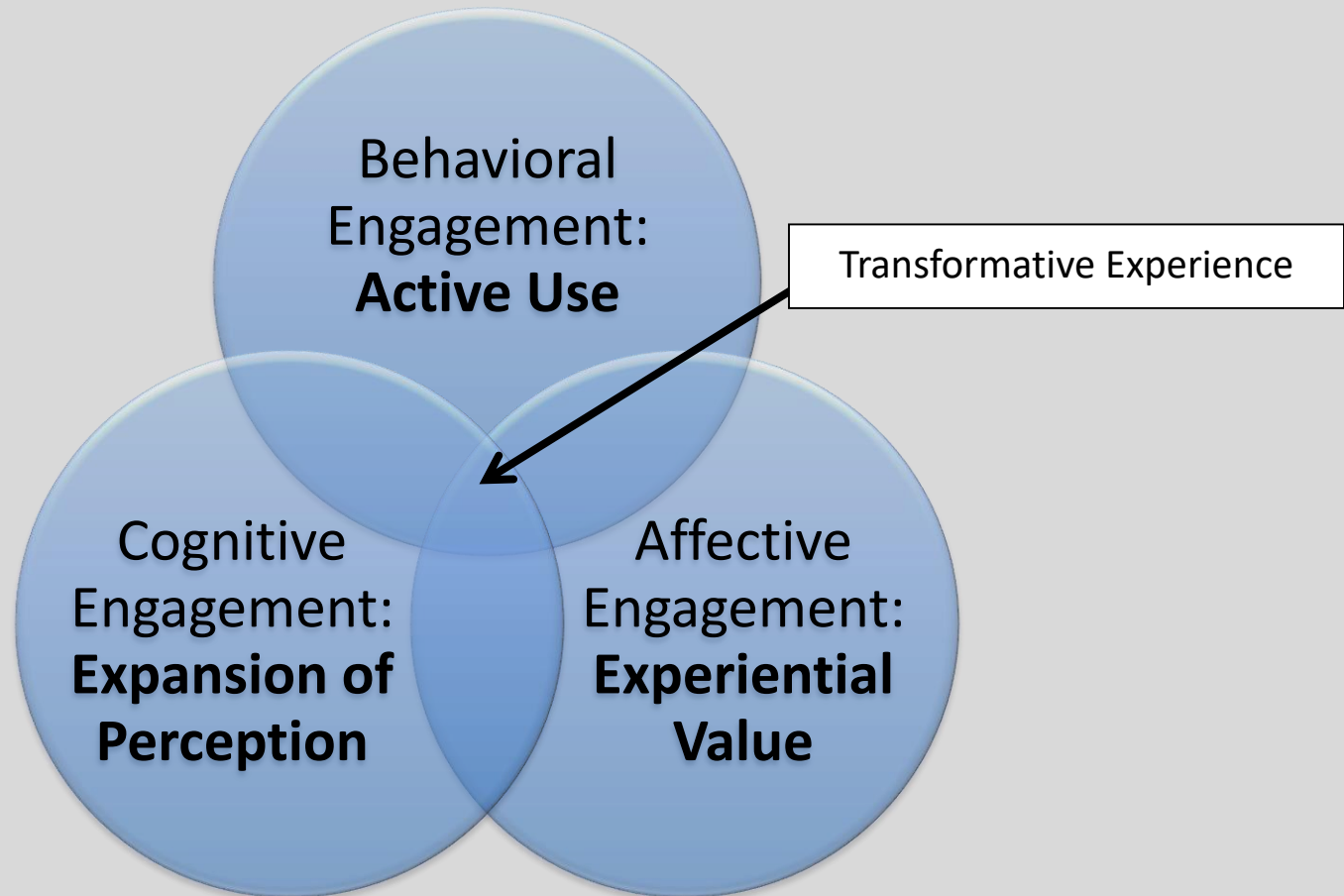
# Transformative Experience

- Transformative Experience occurs when students (Heddy & Pugh 2015):
  - apply concepts to their everyday experience
  - change the way they see a phenomenon and/or the concept
  - value the concept for its ability to influence their experience
  - everyday experience is enriched

# Three Dimensions of Transformative Experience (Alongi, Heddy, & Sinatra, in press)



# Transformative Experience as Synergistic Out-of School Engagement (Pugh, Schmidt, Koski & Heddy, 2018)

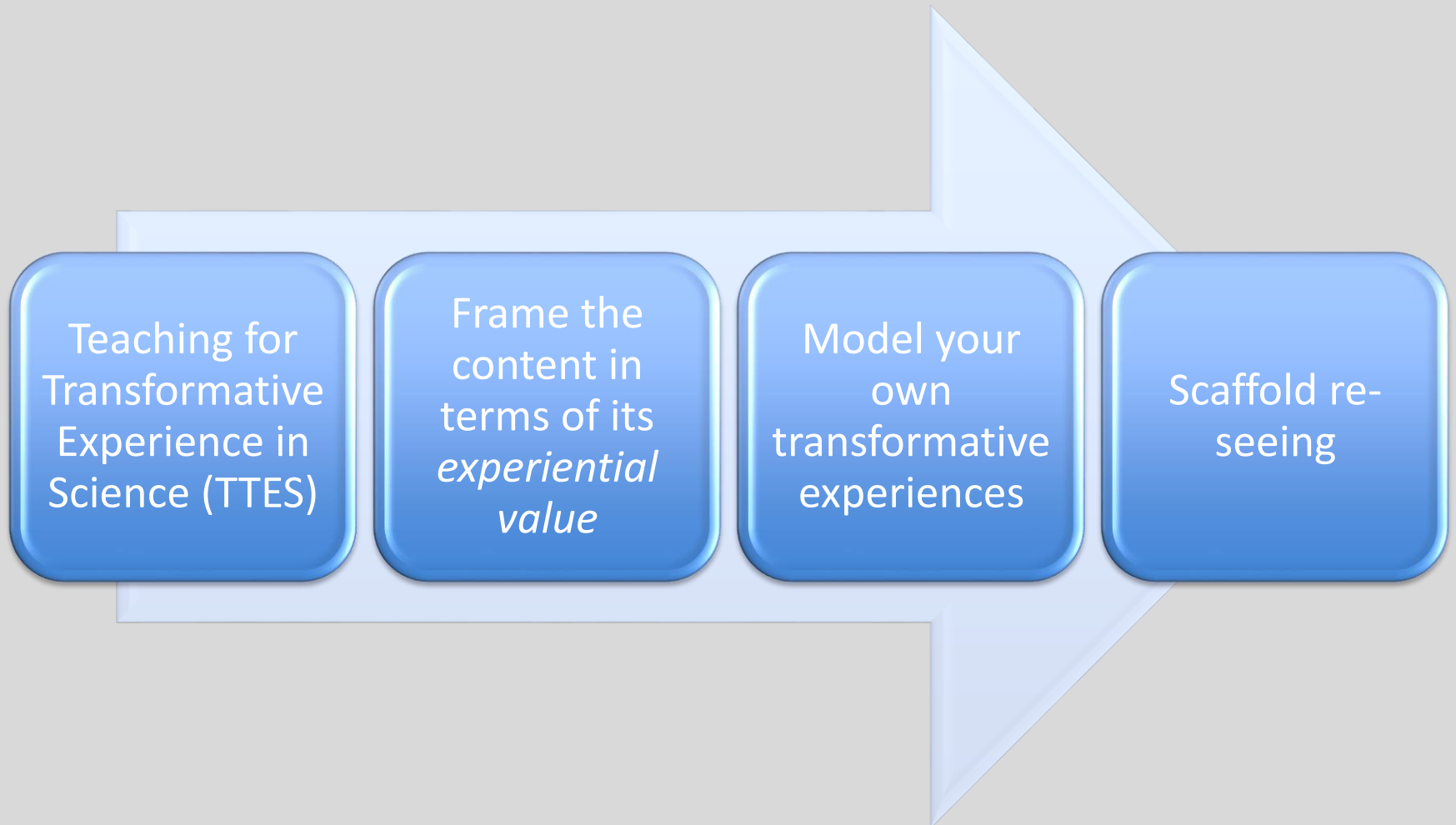




# Thought Activity

- 1) Think through a TE that a student could experience with your content.
- 2) Relate the experience to all three dimensions of TE (active use, expansion of perception, experiential value).

# Teaching for Transformative Experience in Science (Pugh et al., 2010)



# Transformative Experience

- Transformative Experience has been shown to:
  - Facilitate student learning and achievement (Heddy & Sinatra, 2013; Heddy, Sinatra, Seli, Taasobshirazi, & Mukhopadhyay, 2017).
  - Facilitate student interest (Alongi, Heddy, & Sinatra, 2015; Heddy et al., 2017; Heddy & Sinatra, 2017).
  - Relate to positive student outcomes for first generation students (Goldman, Cavazos, Heddy, & Pugh, 2018).
  - Relate to aspects of culturally relevant pedagogy (Tarabochia & Heddy, in press).

# How to Assess TE

- Use Change Value Discussions/Journals
- Fligrid Videos
- GroupMe
- Other Ideas?

# Thank You!

## Questions?

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