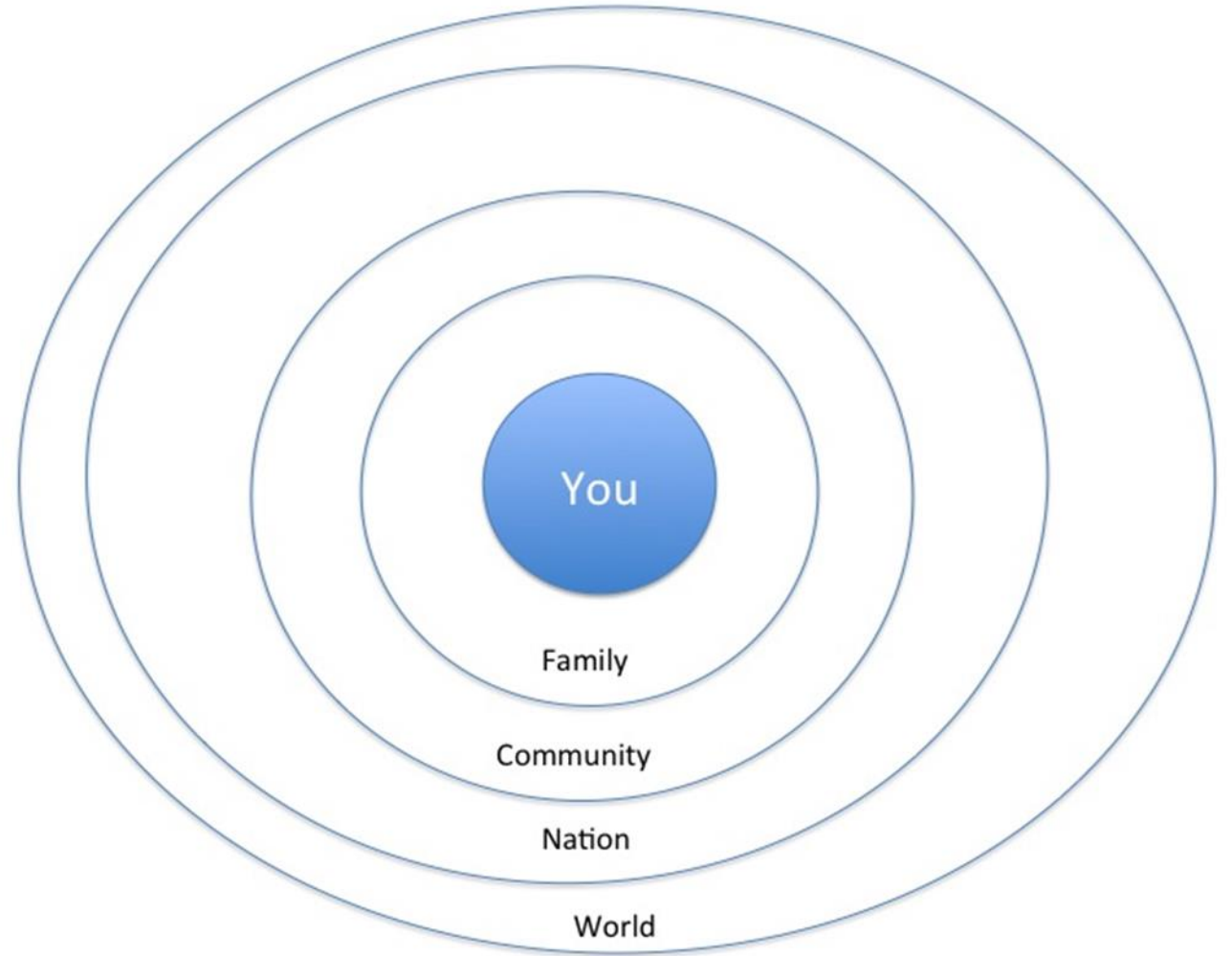


Rowan University: Revolutionizing Engineering Diversity

Why would you want to make engineering curriculum culturally relevant?



Why would you want to make engineering curriculum culturally relevant?



What activities help students to connect abstract concepts to their daily lives?

APPLICATION & ARTIFACTS



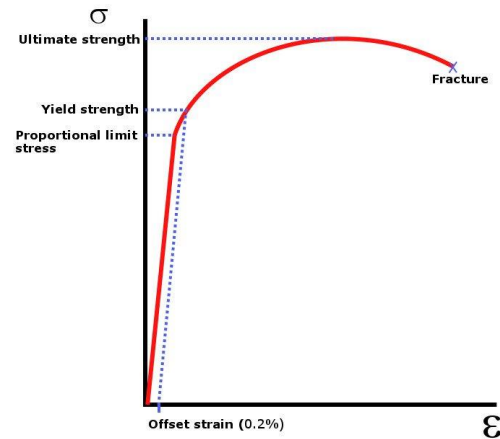
**SOCIETY &
ENVIRONMENT**

**TECHNICAL
FUNDAMENTALS**

What activities help students to connect abstract concepts to their daily lives?



ABSTRACT & UNFAMILIAR



CONCRETE & RECOGNIZABLE



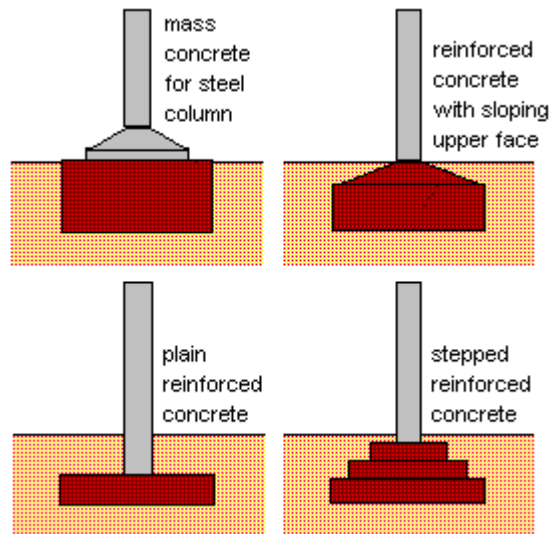
What activities help students to connect abstract concepts to their daily lives?

ABSTRACT & UNFAMILIAR

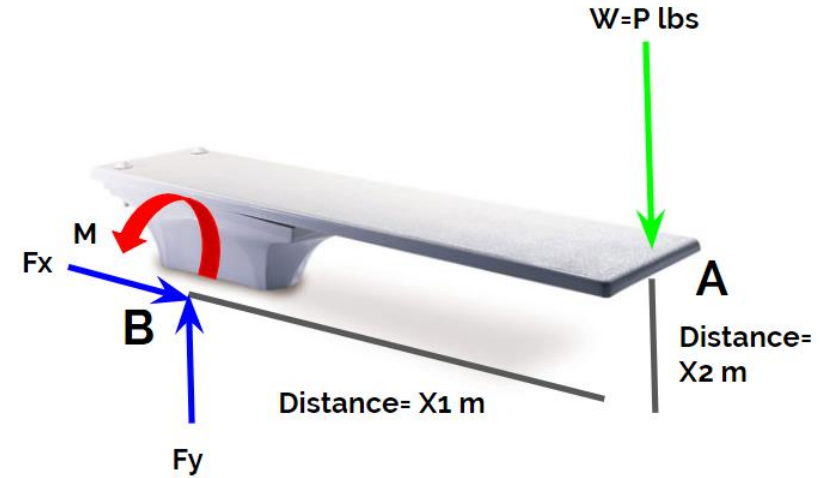
$$\Sigma F_x = 0 = F_B x$$

$$\Sigma F_y = 0 = F_B y + W$$

$$\Sigma M_B = 0 = -(x_1 * W) + M_B$$

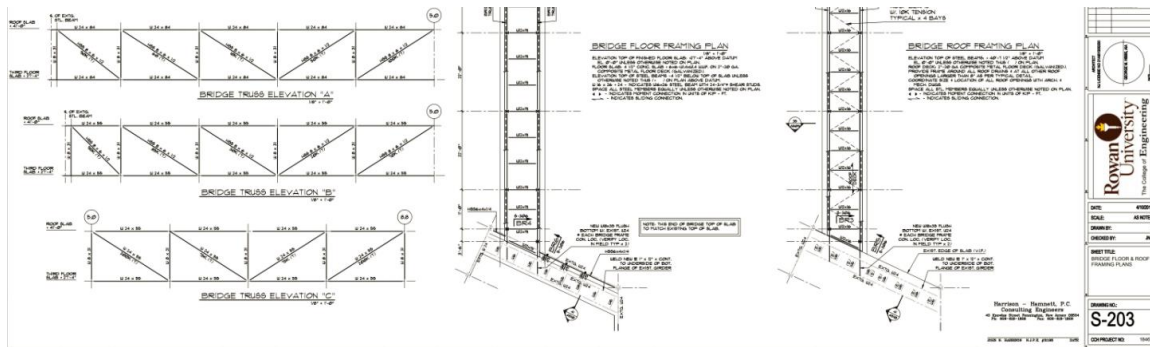


CONCRETE & RECOGNIZABLE



What activities help students to connect abstract concepts to their daily lives?

ABSTRACT & UNFAMILIAR



CONCRETE & RECOGNIZABLE





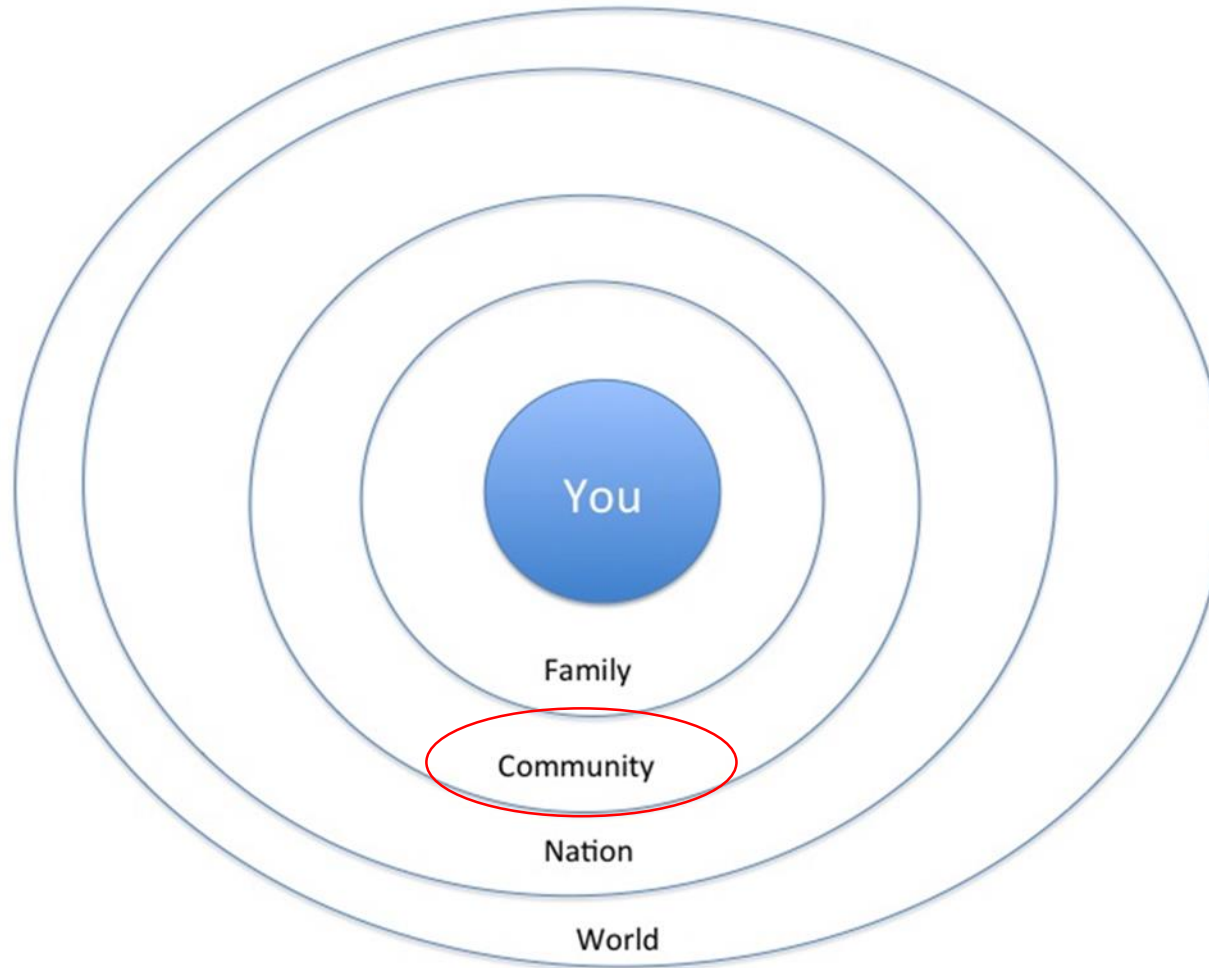
How does relevant pedagogy transform engineering education?

THEORY
ABSTRACT
UNFAMILIAR

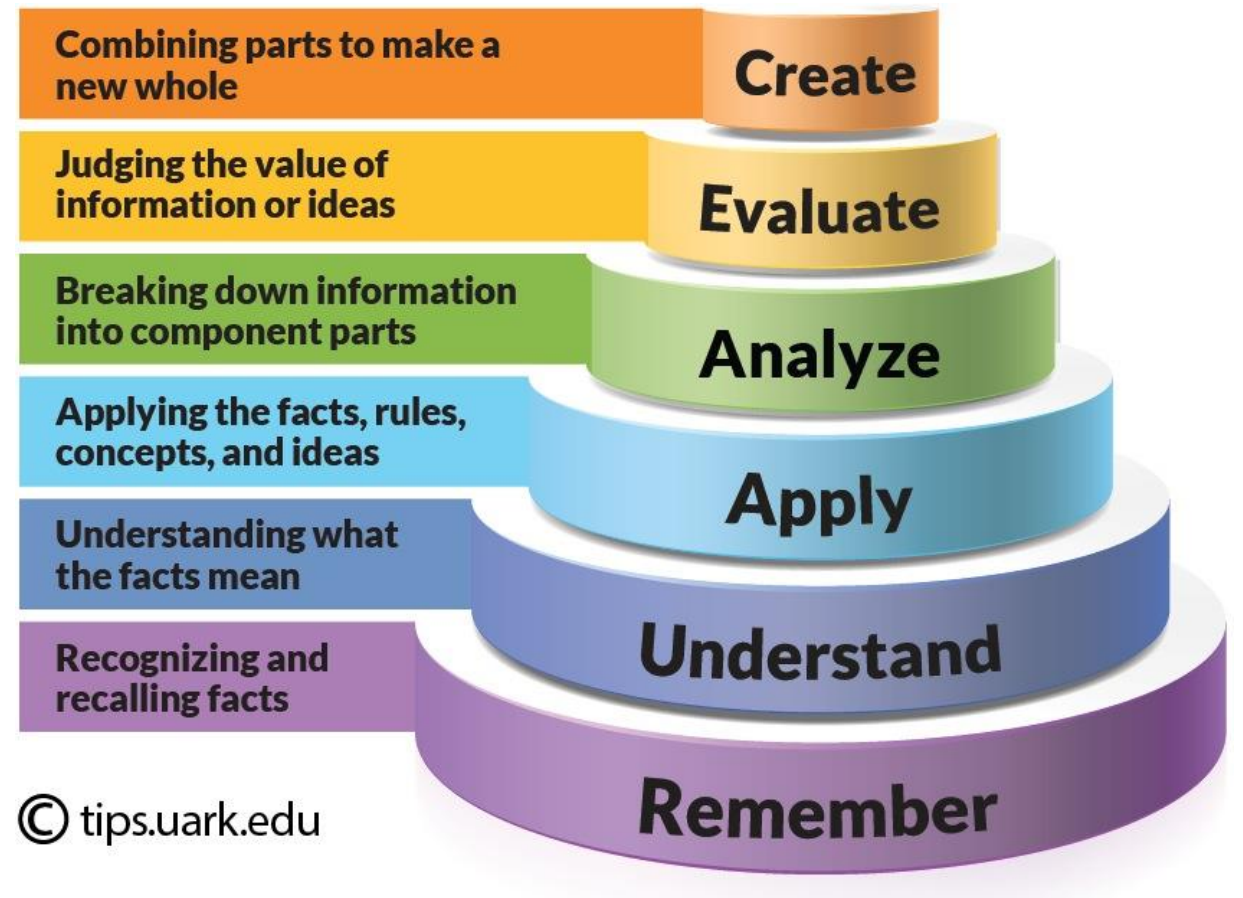


APPLICATION
CONCRETE
RECOGNIZABLE

How does relevant pedagogy transform engineering education?



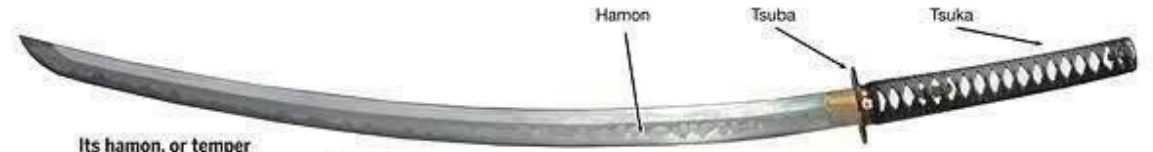
How does relevant pedagogy transform engineering education?



Barriers to culturally relevant pedagogy?



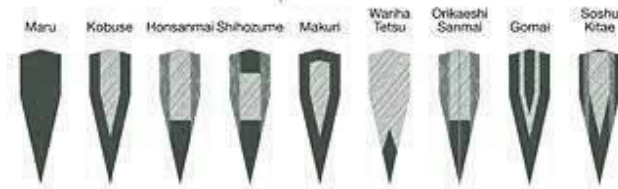
Barriers to culturally relevant pedagogy



Its hamon, or temper line, distinguishes a samurai's strong yet razor-sharp *katana*.



The *tsuba* (hand guard) was often as decorative as it was functional.



Each blade type comprises distinct layers of forged steel —harder high-carbon layers to form the edge, softer lower-carbon layers for the core.



Barriers to culturally relevant pedagogy?



Potential for scalability?

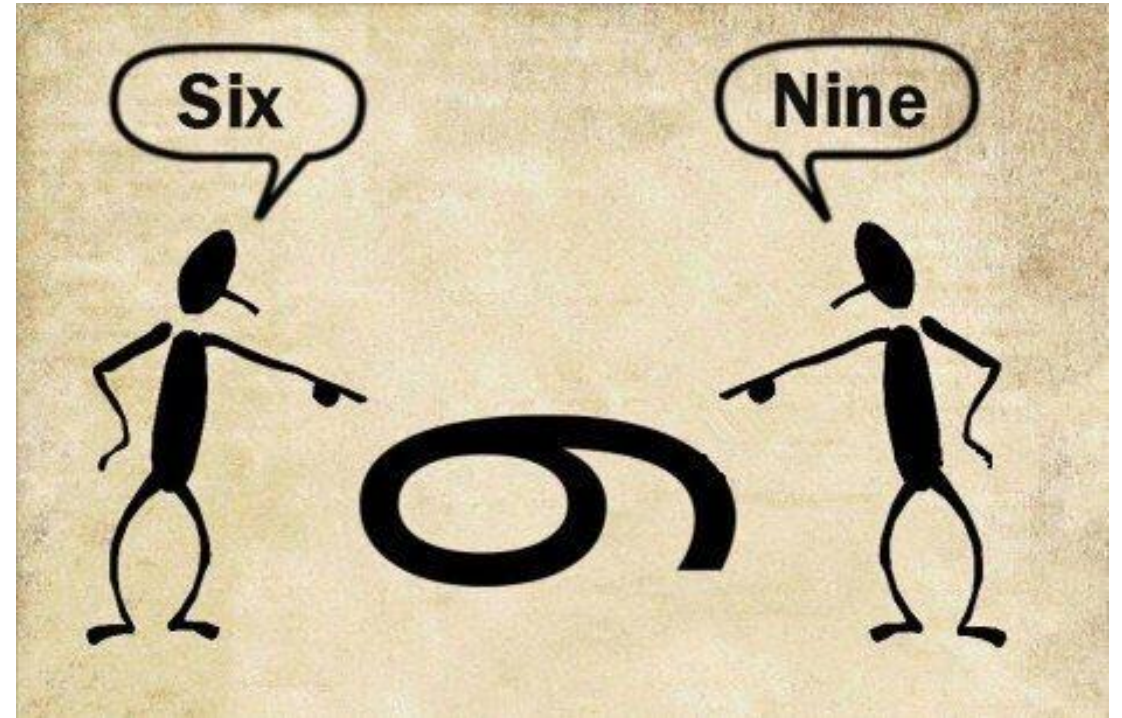


Potential for scalability?



Yearly Cycle

Opinions Matter



Potential for scalability?

SPREAD THE WORD!

