Problem Solving

Our List of Strategies

- gather known information
- think through possibilities
 jot down a bunch
- · consider spectrum of choices safe to riskylagressive
- ·draw pictures or diagrams
- · try a simpler version of the problem
- ·take a break & come back to it exercise, creative activity, sleep
- ·reassess/reread problem
 -what might I be overlooking?

- · refer back to similar problem
- · look back; what have I tried?
- · ask for help

Polya's Advice

- 1) Understand problem
- 2) Strategize (lots here!)
- 3) Execute a plan
- 4) Look back
- (Not really linear.)

Cultivating a Growth Mindset (Le-Cunff)

- 1 neuroplasticity (brain like a muscle)
- 1 value process over results
- 3 weaknesses are areas for growth
- @ remember purpose ("why")
- 6 not "failures," but "steps"
- © value effort over talent
- The challenges = opportunities
- 18 understanding more important than speed
- 19 don't chase others' approval
- 10 welcome input & feedback from others
- @ celebrate actions, not attitributes

- 1 work together
- 13 reflect on progress
- remember past accomplishments
- (15) add "not yet" to fixed mindset statements