

## What can I do when I encounter obstacles? Three, quick, research-based strategies

## **Mental Contrasting**

- 1. Think about your goal.
- 2. Imagine all the good things that will come from achieving your goal.
- 3. Think about all the hurdles you might encounter on the way toward your goal.
- 4. Imagine overcoming these hurdles.

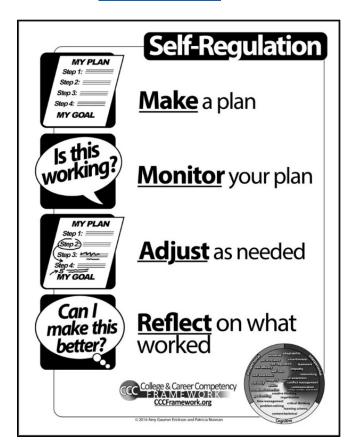
## **Analyzing Options**

- 1. What choices do I have?
- 2. What are the likely outcomes from each option?
- 3. Which option will I choose? Why?

## **Implementation Intentions**

IF [this happens] THEN [I will do this].

Visit <a href="http://cccframework.org/">http://cccframework.org/</a> to learn additional self-regulation strategies, access research and resources, purchase lessons, and launch assessments or contact Dr. Amy Gaumer Erickson at <a href="mailto:agaumer@ku.edu">agaumer@ku.edu</a>.



Additional research on these strategies: Celestine, N. (2021). What is mental contrasting and how to benefit from it? *Positive Psychology*. Available from

https://positivepsychology.com/mental-contrasting/

Duckworth, A. L., Grant, H., Loew, B., Oettingen, G., & Gollwitzer, P. M. (2011). Self-regulation strategies improve self-discipline in adolescents: Benefits of mental contrasting and implementation intentions. *Educational Psychology*, *31*(1), 17-26. https://doi.org/10.1080/01443410.2010.506003

Duckworth, A. L., White, R. E., Matteucci, A. J., Shearer, A., & Gross, J. J. (2016). A stitch in time: Strategic self-control in high school and college students. *Journal of Educational Psychology, 108*(3), 329-341. https://doi.org/10.1037/edu0000062

Gollwitzer, P. M., & Sheeran, P. (2006). Implementation intentions and goal achievement: A meta-analysis of effects and processes. *In* M. P. Zanna (Ed.), *Advances in experimental social psychology (38*, 69-119). Elsevier Academic Press. https://doi.org/10.1016/S0065-2601(06)38002-1