



BITE-SIZED STUDENT SUCCESS STRATEGIES FOR THE HIGHER ED CLASSROOM

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Math Assistance where Success Happens (M.A.S.H.)



Student Success Strategies

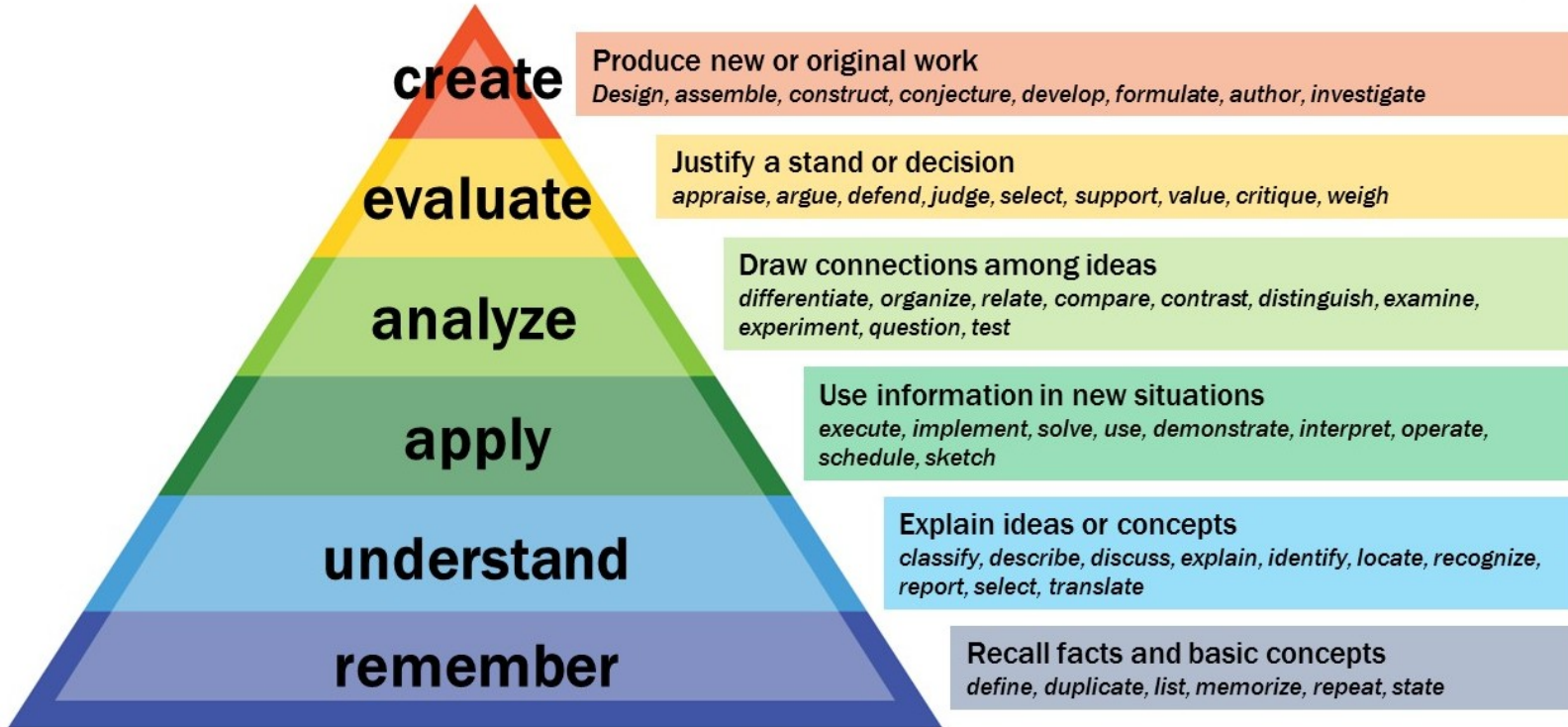


“Teach Students
How to Learn,”
by Sandra Y.
McGuire



SCALING THE PYRAMID

Bloom's Taxonomy



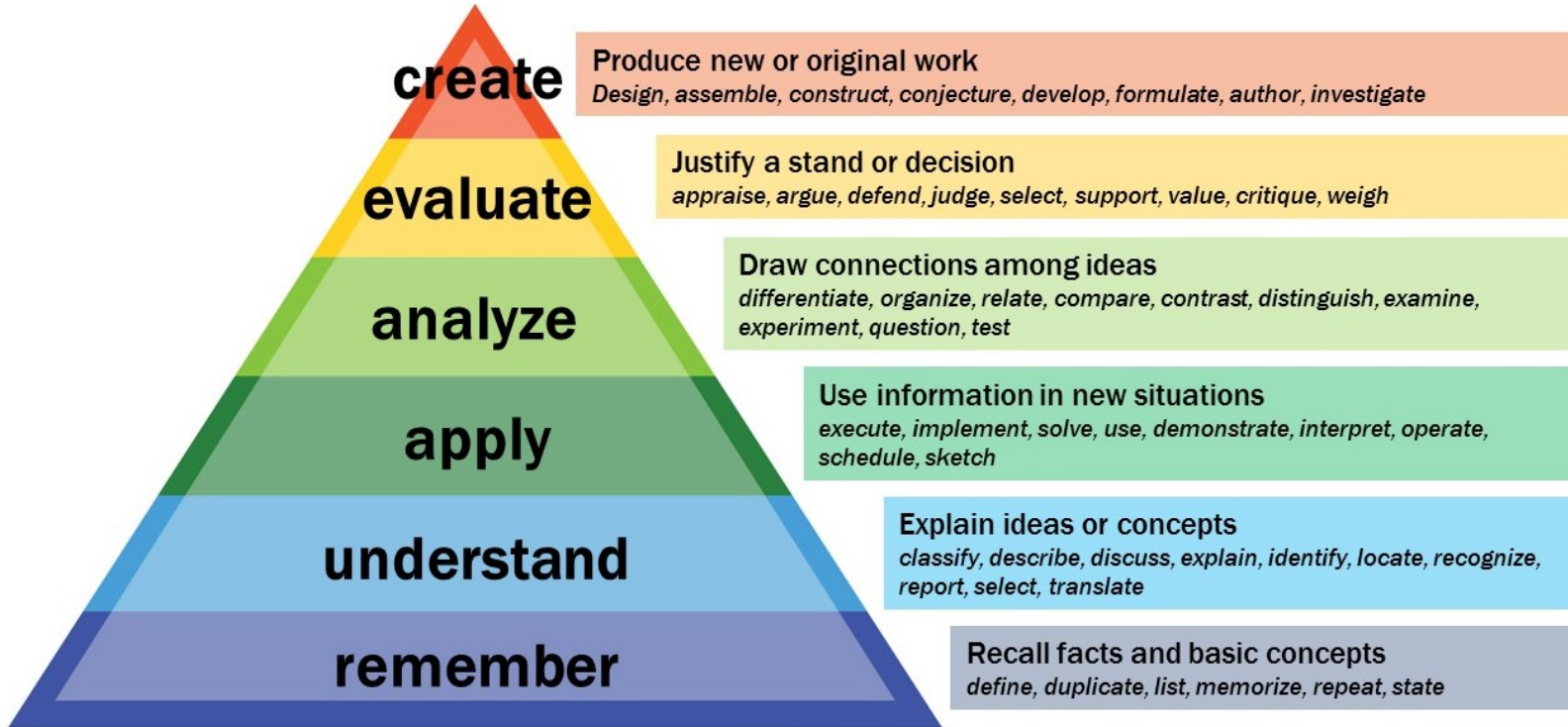
McGuire &
McGuire,
2015

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At what level of Bloom's did you have to operate to make A's or B's in high school?

SCALING THE PYRAMID

Bloom's Taxonomy



McGuire &
McGuire,
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At what level of Bloom's do you think you have to operate to make A's in college?

READING COMPREHENSION STRATEGY

- > Travis is a junior psychology student whose grades were: 47, 52, 82, 86 = B in course
- > Preview text before reading
- > Develop questions
- > Read one paragraph at a time and paraphrase information

METACOGNITIVE PROBLEM-SOLVING STRATEGY

- > Dana is a first-year physics student whose grades were: 80, 54, 91, 97, 90 (final) = A in course
- > Start problems early – the day they are assigned
- > Do not flip back to see how example problems are worked; work them yourself!
- > Don't give up too soon (<15 min.)
- > Don't spend too much time (>30 minutes)

THE MYTH OF MULTI-TASKING

- > Myth of Multi-Tasking exercise
- > Use video or present it yourself
- > <https://www.youtube.com/watch?v=BCeGKxz3Q8Q>

Preview before class – Skim the chapter, note headings, boldfaced words, summaries and objectives; come up with questions you would like the lecturer to answer

Attend class – GO TO CLASS! Answer and ask questions; take meaningful notes

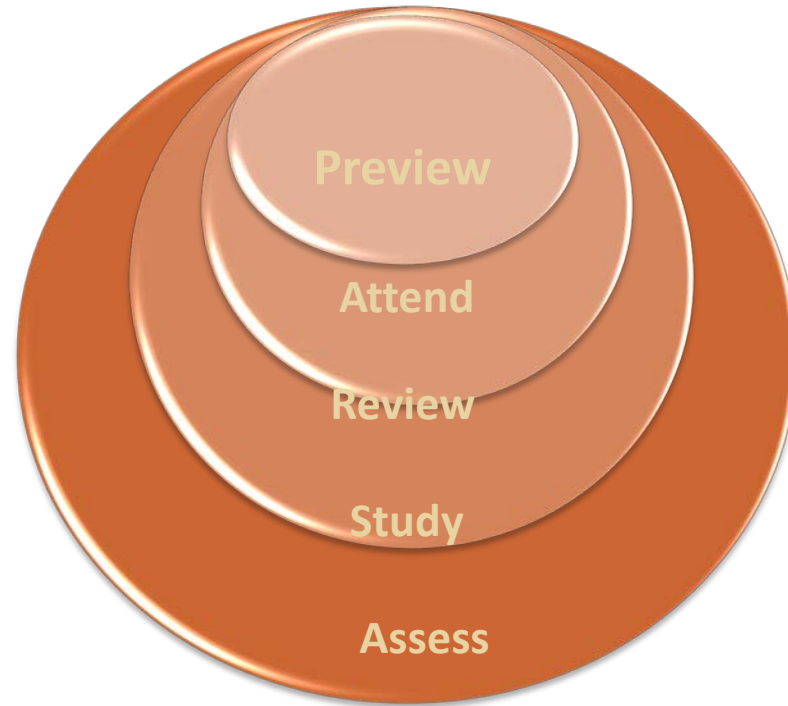
Review after class – As soon after class as possible, read notes, fill in gaps and note any questions.

Study – Repetition is key. Ask questions such as “why,” “how,” and “what if.”

- Intense study sessions – 3-5 short sessions per day

Assess Your Learning – Periodically perform reality checks:

- Am I using study methods that are effective?
- Do I understand the material enough to teach others?



McGuire &
McGuire,
2015

THE STUDY CYCLE

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INTENSE STUDY SESSIONS

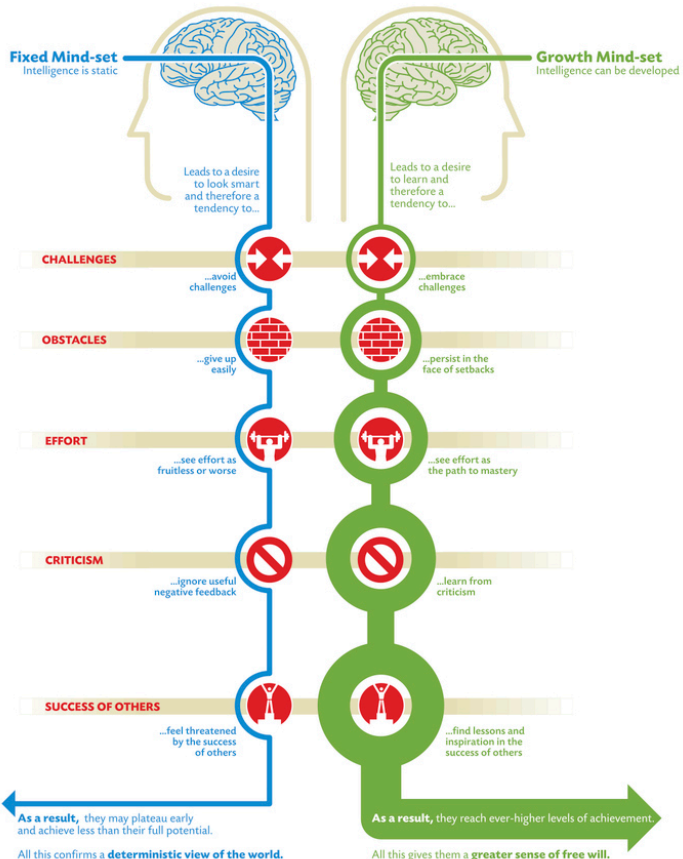


1. **Set a Goal** – decide what you want to accomplish (1-2 minutes)
2. **Study with Focus** – interact with material (30-50 minutes)
3. **Reward Yourself** – take a break, call a friend, play a short game, get a snack (10-15 minutes)
4. **Review** – go over what you just studied (5 minutes)

McGuire & McGuire, 2015

GROWTH MINDSET

- > Teaching students about growth mindsets vs. fixed mindsets
- > QR code for mindsetonline.com/testyourmindset/step1.php
- > TED talk (first 5 minutes) or Kahn Academy video
- > Infographic





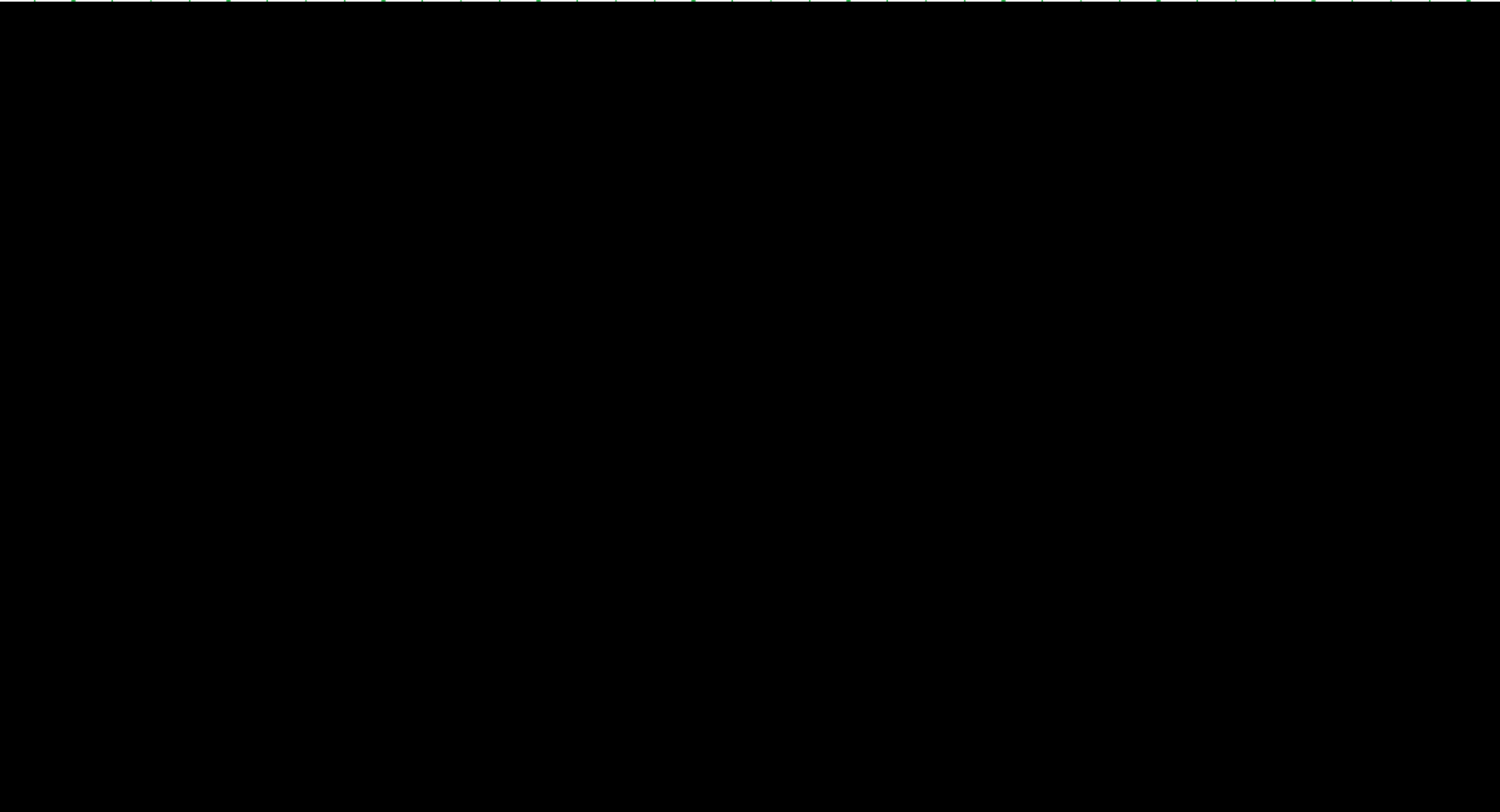
certi.mst.edu/teachsupport/StudentSuccessStrategies

or

tinyurl.com/mstcerti tinyurl.com/mstcerti

Reference

- > McGuire, S. Y., & McGuire, S. (2015). *Teach students how to learn: Strategies you can incorporate into any course to improve student metacognition, study skills, and motivation.*



<https://www.youtube.com/watch?v=KdxEAt91D7k>

