



# Tech to Nurture and Engage Students Online

## Track: Effective Online Teaching Practices

---

**Kim Saccio**

Assistive Technology Specialist, Skyline and Canada Colleges  
Accessibility Specialist, ASCCC

# Who I Am



## **Kim Saccio**

Assistive Technology Specialist  
Peer Mentor (Skyline College)  
ASCCC Accessibility Specialist

# What I Do

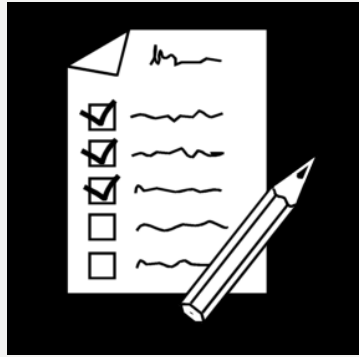
- Teach classes on educational and assistive technologies
- Provide one-on-one student support
- Support fellow instructors re. Canvas and DEI
- Consult on accessibility

# Learning Outcomes



1. Identify technologies that nurture and engage online learners.
2. Know how to access technologies that support student success online.
3. Describe strategies for using technologies to nurture and engage students online.

# Agenda



1. Background: Bloom's taxonomy of the affective domain
2. Tips for selecting technologies
3. Using tech to nurture and engage – series of focused discussions

**Note:** Pictographs are courtesy [Sclera.be](https://www.sclera.be) under Creative Commons 2.0. Other images created by the presenter.



# **Background: Bloom's Taxonomy of the Affective Domain**

# What Is the Affective Domain?

**“The affective domain is the gateway to learning”**

- Pierre & Oughton, 2007

- David Krathwohl et al. (1964) defined Bloom’s affective domain as follows: “The affective domain describes learning objectives that emphasize a feeling or tone, an emotion, or a degree of acceptance or rejection.”

# Bloom's Taxonomy of Affective Domain



- Characterization – internalization of values  
**Examples:** working independently, consistency
- Organization – developing / expanding values  
**Examples:** self evaluation, reflection
- Valuing – valuing ideas and phenomena  
**Examples:** decision making, compromise
- Responding – active participation  
**Examples:** engaging in discussion forum, group work
- Receiving – being aware of ideas and phenomena  
**Examples:** attending class, taking notes

# What CCC Students Need to Succeed

In a 2011-14 study of California community college students, the RP Group identified six factors that are key to student success. I see four of these factors mapping to the affective domain:

Focused

**Nurtured**

**Engaged**

**Valued**

**Connected**

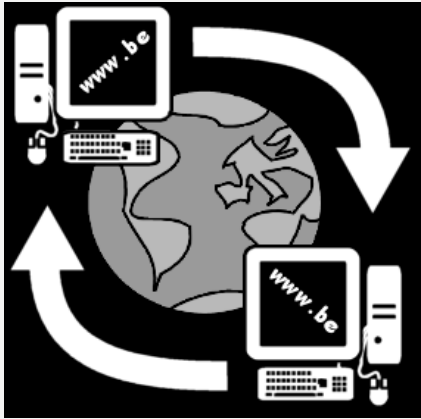
Directed





# **Instructional Strategies and Tech Tools**

# Considerations for Selecting Tech



**Platform** – Is the product downloadable, online only, and/or a smartphone app? What are the system requirements?

**Cost** – Stick with free or district-provided.

**Usability** – Is the product easy to use? Are training videos or materials available?

**Privacy** – Online platforms must be FERPA compliant.

**Accessibility** – Essentially, software that you **require students to use** must be ADA-compliant. For example, requiring all students to use Flipgrid could be problematic – but offering it as an option along with other choices is great.

# Student Success Factor: **Connected**

**Students feel like they are part  
of the college community**

**Supports Bloom's Receiving and  
Responding**



# Encourage Study Groups

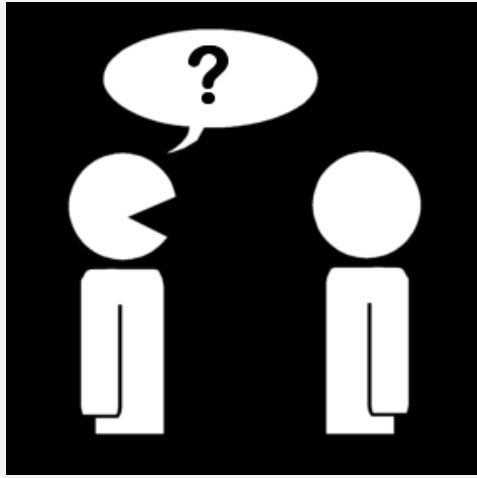
| Instructional Strategy                                | Tech Ideas   |
|---|--|
| Encourage/enable students to form online study groups | <ul style="list-style-type: none"><li>• Text chats: <a href="#">Pronto</a> (if district-enabled)</li><li>• Canvas group discussions</li><li>• <a href="#">Discord</a> groups</li><li>• Zoom or other videoconferencing</li><li>• Real-time collaboration tools like Padlet, Google Jamboard, Google Docs, etc.</li></ul> |

# Begin With a Warm Welcome

| Instructional Strategy  | Tech Ideas   |
|---|--|
| <p>Start every course with a “getting to know you” discussion – and make sure to post something yourself.</p> <p>Keep this discussion open as a place to informally “hang out” online</p> | <ul style="list-style-type: none"><li>• Canvas Discussion feature – encourage posting photos, avatars, video</li><li>• Avatar tech: <a href="#">Joypixels</a>, <a href="#">Bitmoji</a></li><li>• Offer <a href="#">Flipgrid</a> as an option</li></ul> |

# Support Campus Connections

| Instructional Strategy                                   | Tech Ideas   |
|--|--|
| Promote selected campus events, consider offering credit | <ul style="list-style-type: none"><li>• Canvas Announcements</li><li>• Pronto or other district-provided text system</li></ul> |



# Let's chat:

How do you use tech to help your students **feel connected?**

# Student Success Factor: **Valued**

**Students' skills, talents,  
abilities and experiences are  
recognized**

**Supports Bloom's Receiving,  
Valuing, and Responding**





# Invite Students to Talk Back

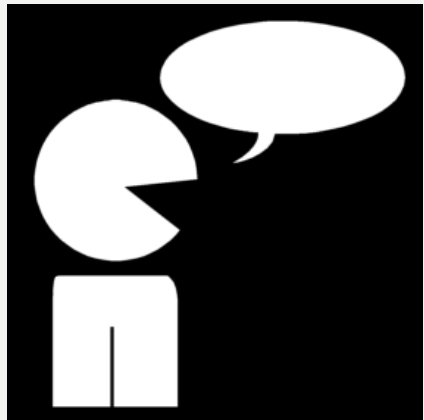
| Instructional Strategy  | Tech Ideas  |
|---|---|
| <p>Solicit student feedback during lectures to inform instruction and to engage students in their learning.</p> | <ul style="list-style-type: none"><li>• <b>Chat:</b> Zoom, Canvas</li><li>• <b>Real-time poll / quiz:</b> <a href="#"><u>Kahoot</u></a>, <a href="#"><u>Mentimeter</u></a>, <a href="#"><u>AnswerGarden</u></a>, Panopto (if available)</li><li>• <b>Real-time word cloud:</b> Mentimeter</li><li>• <b>Comment</b> feature in Panopto</li></ul> |

# Host a Gallery Walk

| Instructional Strategy  | Tech Ideas   |
|---|--|
| “Gallery Walk” - students view others’ work and leave supportive comments | <ul style="list-style-type: none"><li>• <a href="#"><u>Padlet</u></a></li><li>• <a href="#"><u>Google Jamboard</u></a></li></ul> |

# Humanize Your Grading

| Instructional Strategy                           | Tech Ideas  |
|--|---|
| Add a personal touch with audio / video feedback | <ul style="list-style-type: none"><li>• Use the <a href="#"><u>Canvas Audio/Video feedback tool</u></a> to make verbal comments on assignments.</li></ul> <p><b>Note:</b> Make sure to ask students if they prefer written communication instead.</p> |



# Let's Share!

To participate, go to

[tinyurl.com/OTCmenti](https://tinyurl.com/OTCmenti)

on any device.

# Student Success Factor: **Engaged**

**Students actively participate in class**

**Supports all taxonomy levels**



# Encourage Creativity

| Instructional Strategy   | Tech Ideas  |
|--|---|
| <p>Give students creative options for completing assignments</p> | <p>So many options! Here are a few:</p> <ul style="list-style-type: none"><li data-bbox="1370 575 2346 722">• Posters: <a href="#">Canva</a>, Google Slides, Microsoft PowerPoint</li><li data-bbox="1370 751 2346 898">• Multimedia “bulletin boards”: Padlet, Jamboard</li><li data-bbox="1370 926 2346 1073">• Videos: student smartphones, <a href="#">Powtoon</a></li><li data-bbox="1370 1102 2346 1172">• Mind maps: <a href="#">Mindomo</a>, etc.</li></ul> |

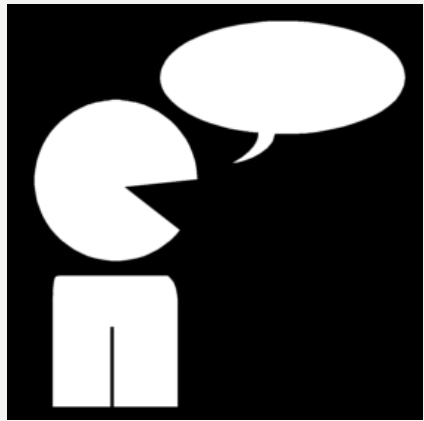
# Support Diverse Reading Needs

| Instructional Strategy   | Tech Ideas  |
|--|---|
| <p>Offer different options for engaging with written content</p> | <ul style="list-style-type: none"><li>• Record your own audio directly in Canvas (Media option in Editor)</li><li>• Suggest free text-to-speech tech such as <a href="#">NaturalReader</a> or Immersive Reader (if enabled in Canvas)</li><li>• See my Tech Tools website for ideas: <a href="http://tinyurl.com/skylineAT">tinyurl.com/skylineAT</a></li></ul> |

# Support Diverse Writing Needs

| Instructional Strategy                                | Tech Ideas  |
|---|---|
| Offer dictation options for producing written content | <ul style="list-style-type: none"><li>• <a href="#">Voice In</a> Chrome extension</li><li>• Google Voice Typing, Microsoft Word Dictation, etc.</li><li>• See my Tech Tools website for ideas: <a href="http://tinyurl.com/skylineAT">tinyurl.com/skylineAT</a></li></ul> |





# Let's Jam(Board)!

To participate, go to

[tinyurl.com/OTCengage](https://tinyurl.com/OTCengage)

on any device.

# Student Success Factor: **Nurtured**

**Students feel somebody wants  
and helps them to succeed**

**Supports Bloom's Receiving,  
Valuing, and Responding**



# Provide Learning Supports

| Instructional Strategy  | Tech Ideas   |
|---|--|
| <p>Encourage students to use note-taking tech and other learning supports</p> <p><b>Non-tech:</b> Provide warm handoffs to disability services or your learning center,</p> | <ul style="list-style-type: none"><li>• <a href="#">Otter.ai</a> transcriptions &amp; recording</li><li>• Mindomo mind mapping for note taking and writing support</li><li>• Share my Tech Tools site: <a href="https://tinyurl.com/skylineAT">tinyurl.com/skylineAT</a></li></ul> |

# Get in Students' Corner

## Instructional Strategy

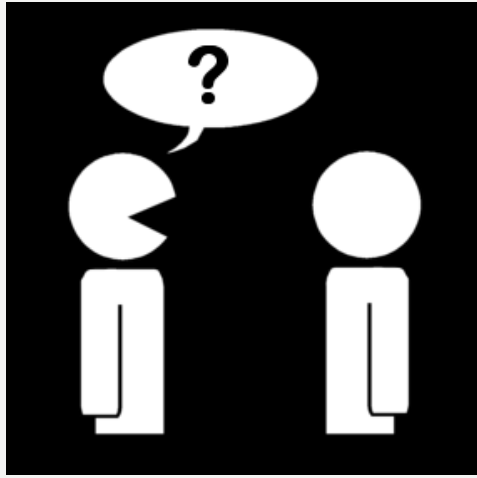
Be a cheerleader! Celebrate small victories, provide regular encouragement. Outreach does not have to be personalized, but should provide useful tips or links to information or support.

## Tech Ideas

- Set up Canvas Announcements to send automatically at key points – i.e., before big assignments and midterms  
These announcements can be re-used across classes.
- Use Pronto (if your campus provides) to send regular “you can do it” messages

# Communicate Early and Often

| Instructional Strategy  | Tech Ideas  |
|---|---|
| <p>Set a reasonable communication policy and share it in your syllabus – then abide by it.</p> <ul style="list-style-type: none"><li>• Provide timely feedback</li><li>• Respond to student email</li><li>• Check Q&amp;A discussions on a set schedule</li></ul> | <ul style="list-style-type: none"><li>• Canvas annotation, comment tools</li><li>• Comments in Google Docs and Microsoft Word 365 (online)</li><li>• Pronto (if your district supports)</li></ul> |



# One last chat:

How do you use tech  
to nurture your  
students?

# References

- Booth et al. (2014) *Using Student Voices to Redefine Success: What Community College Students Say Institutions, Instructors and Others Can Do to Help Them Succeed*. Research and Planning Group for California Community Colleges (RP Group).
- Kirk, K. (ed.) n.d. [What is the Affective Domain anyway?](#)
- Krathwohl, D.R., Bloom, B.S., and Masia, B.B. (1964). *Taxonomy of educational objectives: Handbook II: Affective domain*. New York: David McKay Co.
- National Academies of Sciences, Engineering, and Medicine (2018). *How People Learn II: Learners, Contexts, and Cultures*. Washington, DC: The National Academies Press.
- Pierre, E.P. & Oughton, J. (2007). The Affective Domain: Undiscovered Country. *College Quarterly*, 10:4.
- Student Support (Re)Defined. (2011 to present). Learn about the ongoing project at the [RP Group website](#).
- The Peak Performance Center (nd). [Affective Domain of Learning](#).



# Thank you!

Please remember to complete the session evaluation.

**Kim Saccio**

**sacciok@smccd.edu**