

About Our Peer Educators

Quinnipiac University Learning Commons, Hamden, CT

Average Grades for
Students with SI or Study
Table Support

102 Peer Educators in Spring 2019

12 Peer Catalysts for FYS (100 in the fall)

32 Peer Tutors

47 Supplemental Instructors (Peer Fellows)

11 Study Table Mentors (Tracy manages these)

The SI's and STM's support students in 23 separate courses in Business, Health Science, the College of Arts and Sciences, and Engineering, totaling 115 separate sections.

68 sections for SI, 47 sections for Study Tables

In Fall 2018, 1,403 individual students made 7,018 contacts with SI leaders and Study Table Mentors.



Training of Peer Fellows and Study Table Mentors

Day-long training sessions in January and August before the start of each semester.

Ongoing small-group training meetings throughout the semester.

Focus on Reflection* to foster self-efficacy and metacognition, or self-awareness regarding one's learning.

- Reflect on mindset, Entity vs. Growth Learning (Carol Dweck, 2006).
- Reflect on Big Picture concepts first, then on definition and placement of smaller details.
- Reflect on the means to understand content rather than on content delivery alone.

*"Reflective thought: it alone is truly educative in value."
John Dewey, *How We Think*, 1910.

Mindset: Entity Learning

Based on an entry survey conducted for freshmen entering Q.U. this past fall, our students overall skew toward an “entity” mindset:

smart/dumb
winner/loser
success/failure



"I must be so stupid!"

Self-Theories of Intelligence*

Entity Learner

Intelligence is fixed and inherent.

Students are risk-averse: error is dangerous, a sign of deficit in intelligence. Explicit signs of fixed intelligence sought: grades

Pattern of validation: "You're so smart!"
Pattern of failure: "I must be dumb after all."

Growth Learner

Intelligence is dynamic, built through immersion in new practices and new concepts

Students are risk-taking: Error is an opportunity for learning. Confronting a challenge and making progress sought: "Now I can do something I couldn't do before."

Pattern of validation: "Your progress in this process has paid off. Now you're ready to_____."
Pattern of "failure" is "I see how my old habits have interfered with what I'm trying to do now."

*Carol Dweck, *Mindset: The New Psychology of Success*, Ballantine, 2006

Big Picture Concepts

Exercise One

- Dollar Bill
- Dice
- Tricycle
- Four Leaf
CloverHand
- Six Pack
- Seven Up
- Octopus
- Cat Lives
- Bowling Pins
- Football Team
- Dozen Eggs
- Unlucky Friday
- Valentine's Day
- Quarter Hour




Big Picture Concepts

Exercise Two

The procedure is actually quite simple. First, you arrange things into different groups. Of course, one pile may be sufficient depending on how much there is to do. If you have to go somewhere else due to lack of facilities that is the next step; otherwise, you are pretty well set. It is important not to overdo things. That is, it is better to do too few things at once than too many. In the short run, this may not seem important but complications can easily arise. A mistake can be expensive as well. At first, the whole procedure will seem complicated. Soon, however, it will become just another fact of life. It is difficult to foresee any end to the necessity for this task in the immediate future, but then one can never tell. After the procedure is completed one arranges the materials into different groups again. Then they can be put into their appropriate places. Eventually, they will be used once more, and the whole cycle will then have to be repeated. However, that is part of life.

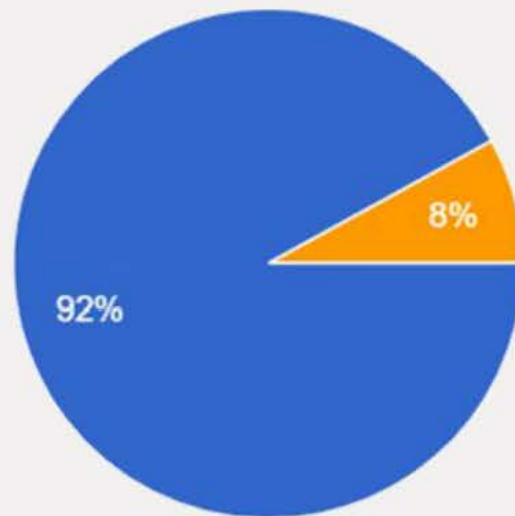
J.D. Bransford and M.K. Johnson. "Contextual Prerequisites for Understanding: Some Investigations of Comprehension and Recall." *Journal of Verbal Learning and Verbal Behavior*, 1972: Vol. 11, 717-726.



"I must

*October 2018, BIO 101, Exam II,
Average Grade 68.8%*

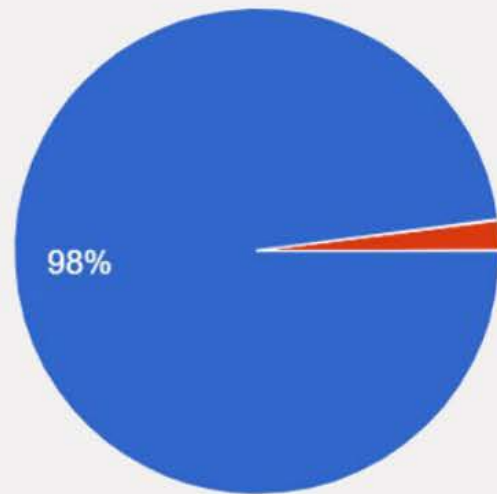
I study for every exam



- Of course!
- Why would I do that?
- If I have time.
- I don't know when exams are.

March 2019, BIO 102, Exam II
Average grade: 75

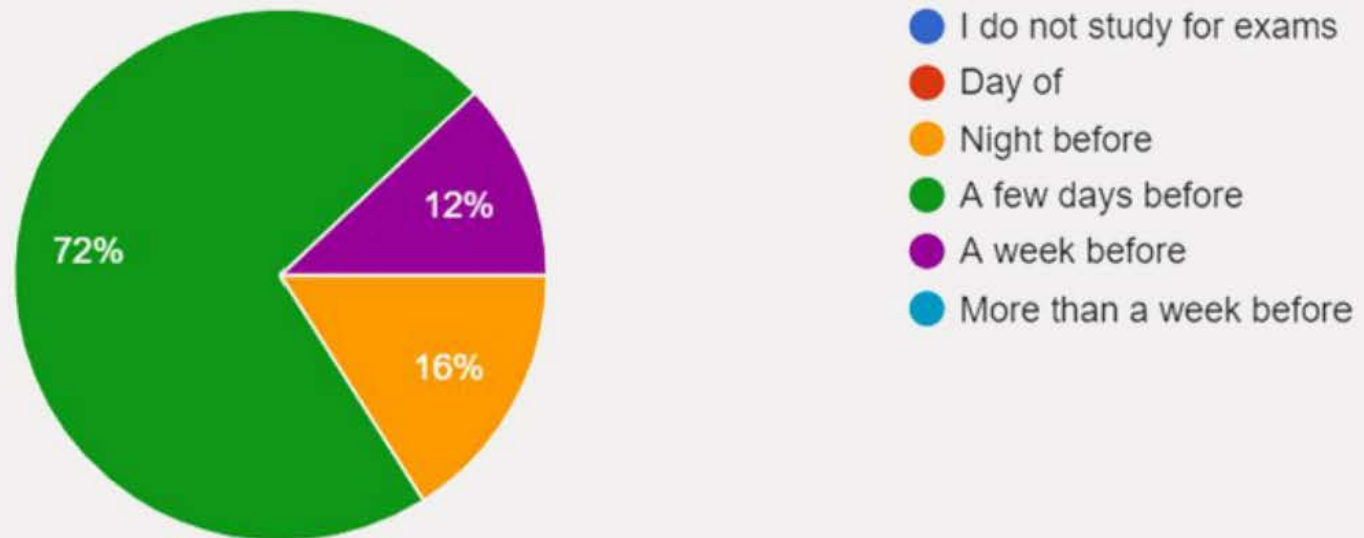
I studied for this exam



- Of course!
- Only if I was going to have time
- I didn't study for the exam

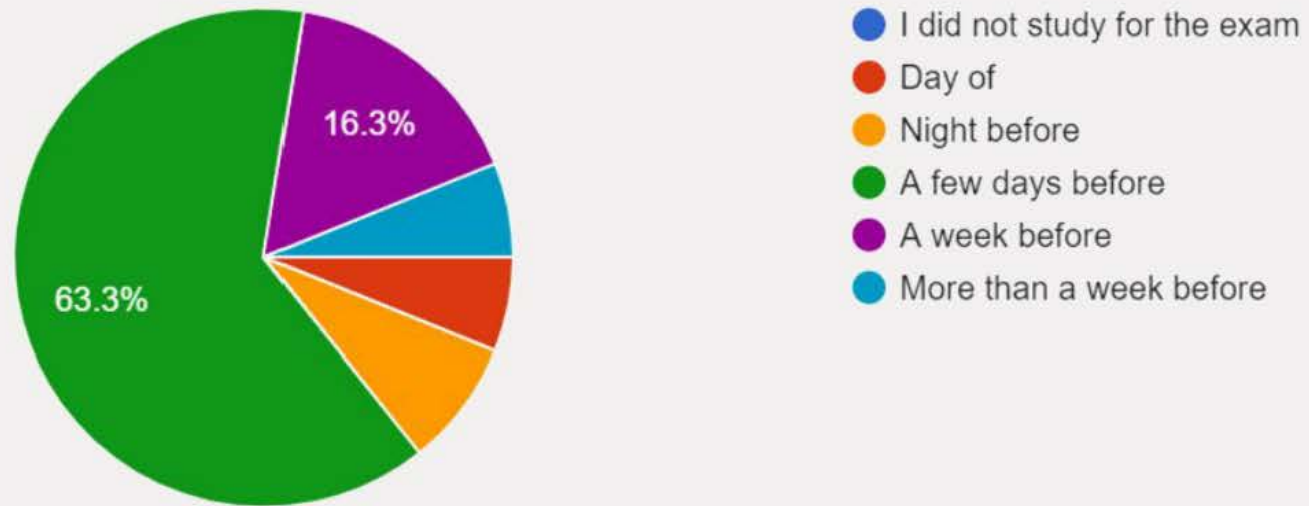
October 2018

How far in advance do you start studying for an exam?



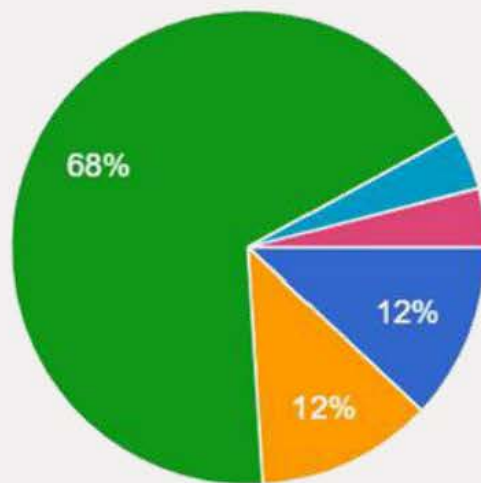
March 2019

How far in advance did you start studying for an exam?



October 2018

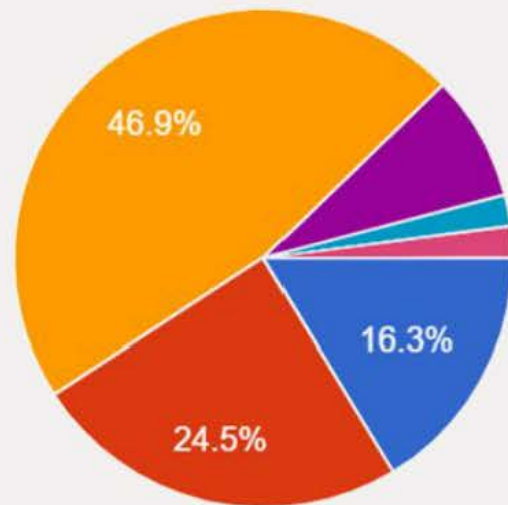
How do you take notes during class?



- I do not take notes during class
- I print the powerpoint in advance and take notes on that
- I write everything Professor Sormrude says
- I emphasize the points that Prof. Sormrude emphasizes
- I watch Netflix, play games, or text...
- i take notes on the slides online
- I write down points that are emphas...

March 2019

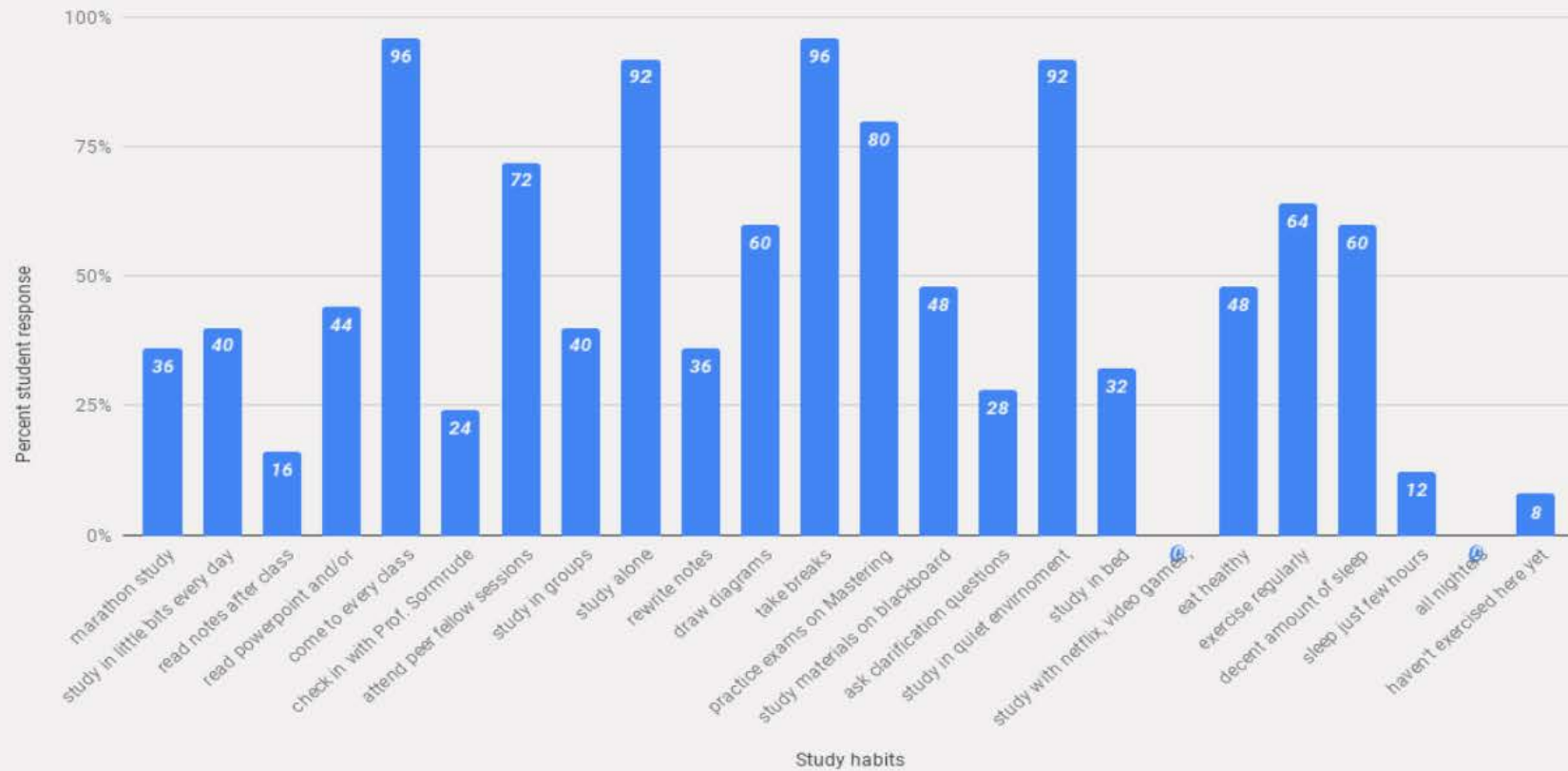
How did you format the structure of your notes?



- By hand on paper
- Typing on my laptop instead of taking notes by hand
- Typing on/filling in the PowerPoint on my laptop, tablet, or phone
- Printing the PowerPoint prior to class and handwriting my notes on the handout
- I did not take notes
- I highlight and write on the powerpoint
- I emphasized points that Professor...

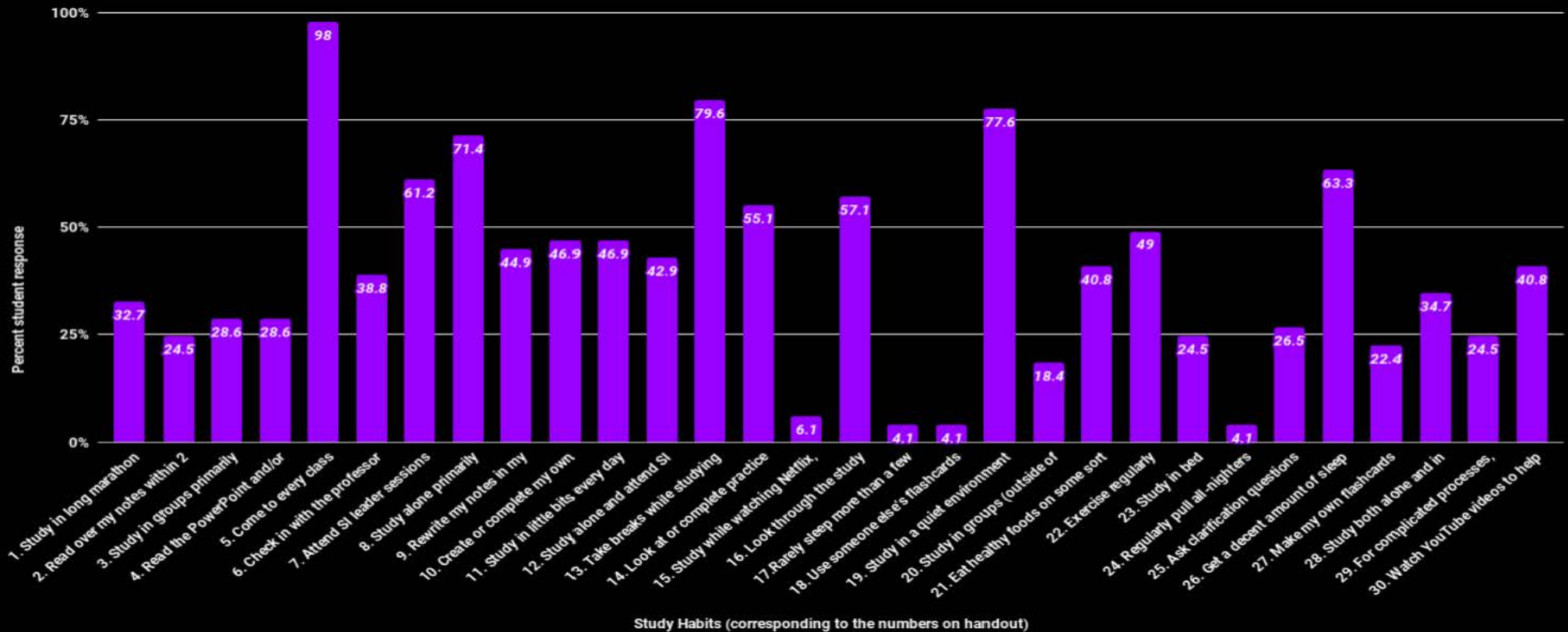
October 2018

Occurrence of study habits among students following Unit 2 exam



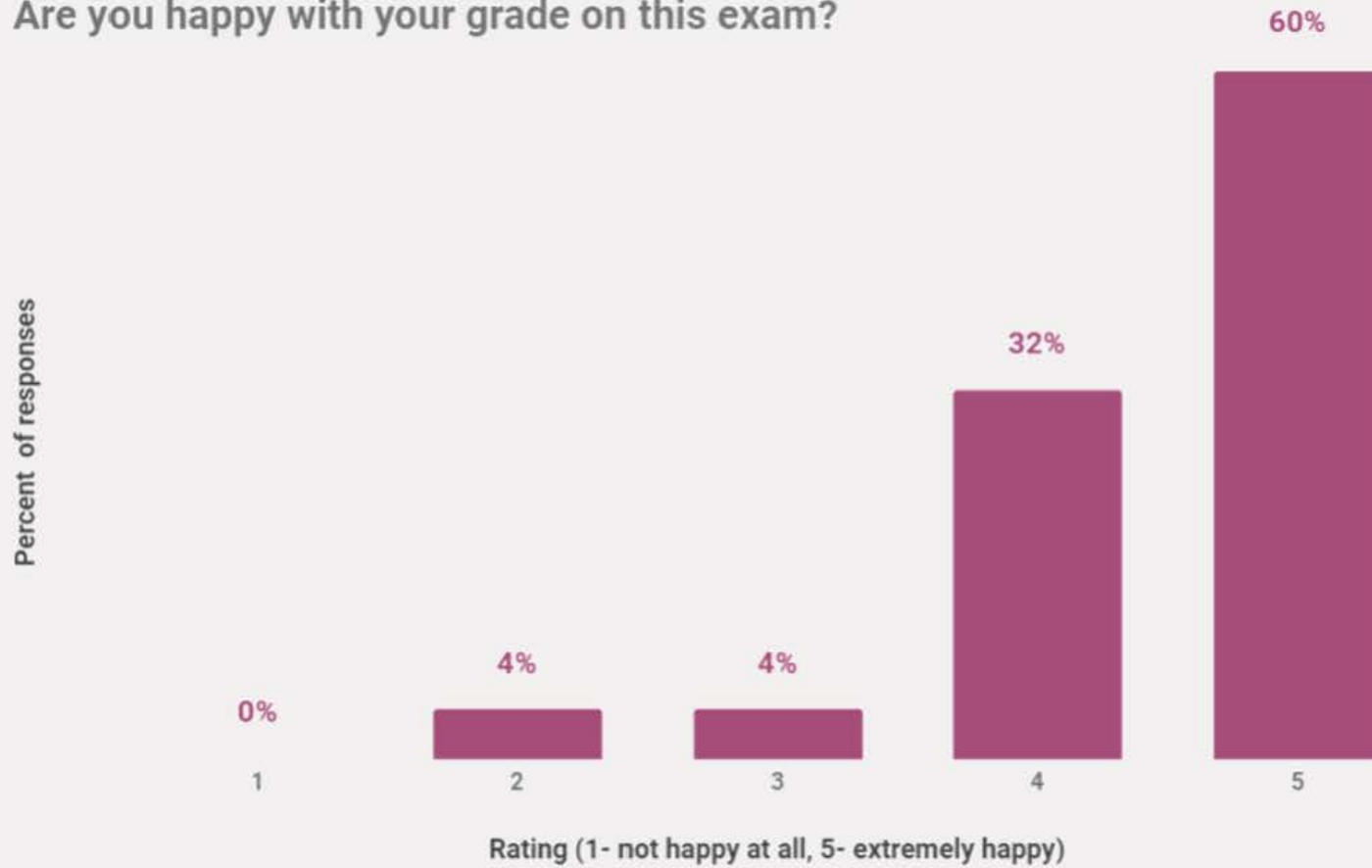
March 2019

Occurrence of study habits among students following Unit 2 exam



March 2019

Are you happy with your grade on this exam?



Most Prevalent Study Habits (All Students)

October 2018

- Come to every class/take breaks (tie) 96%
- Study in quiet environment/study alone (tie) 92%
- *Look at practice exams online* 80%
- Attend peer fellow sessions 72%
- Exercise regularly (64%)
- Draw diagrams/ get a decent amount of sleep (60%)

March 2019

- Come to every class (98%)
- Take breaks while studying (79%)
- Study in a quiet environment (76%)
- Study alone primarily (69%)
- Get a decent amount of sleep/attend peer fellow sessions (62%)
- *Look at practice exams online* (55%)

*Most
prevalent
study habits
of students
with an A in
the class*

October 2018 (17/25 students)

- Come to every class 100%
- Take breaks 94%
- Study in quiet environment 94%
- Study Alone 94%
- *Look at practice exams online* 88%
- Attend Peer Fellow Sessions 76%

March 2019 (42/49 students)

- Come to every class 98%
- Take breaks 80%
- Study in quiet environment 78%
- Study Alone 71%
- *Get a decent amount of sleep* 63%
- Attend SI Leader Review sessions 61%

Meta-Talks: Revitalizing Test Preparation in STEM Courses Through Peer-Guided Reflection

Tracy Hallstead and Erin Nash
Quinnipiac University, Hamden, CT

