NO DATA LEFT BEHIND

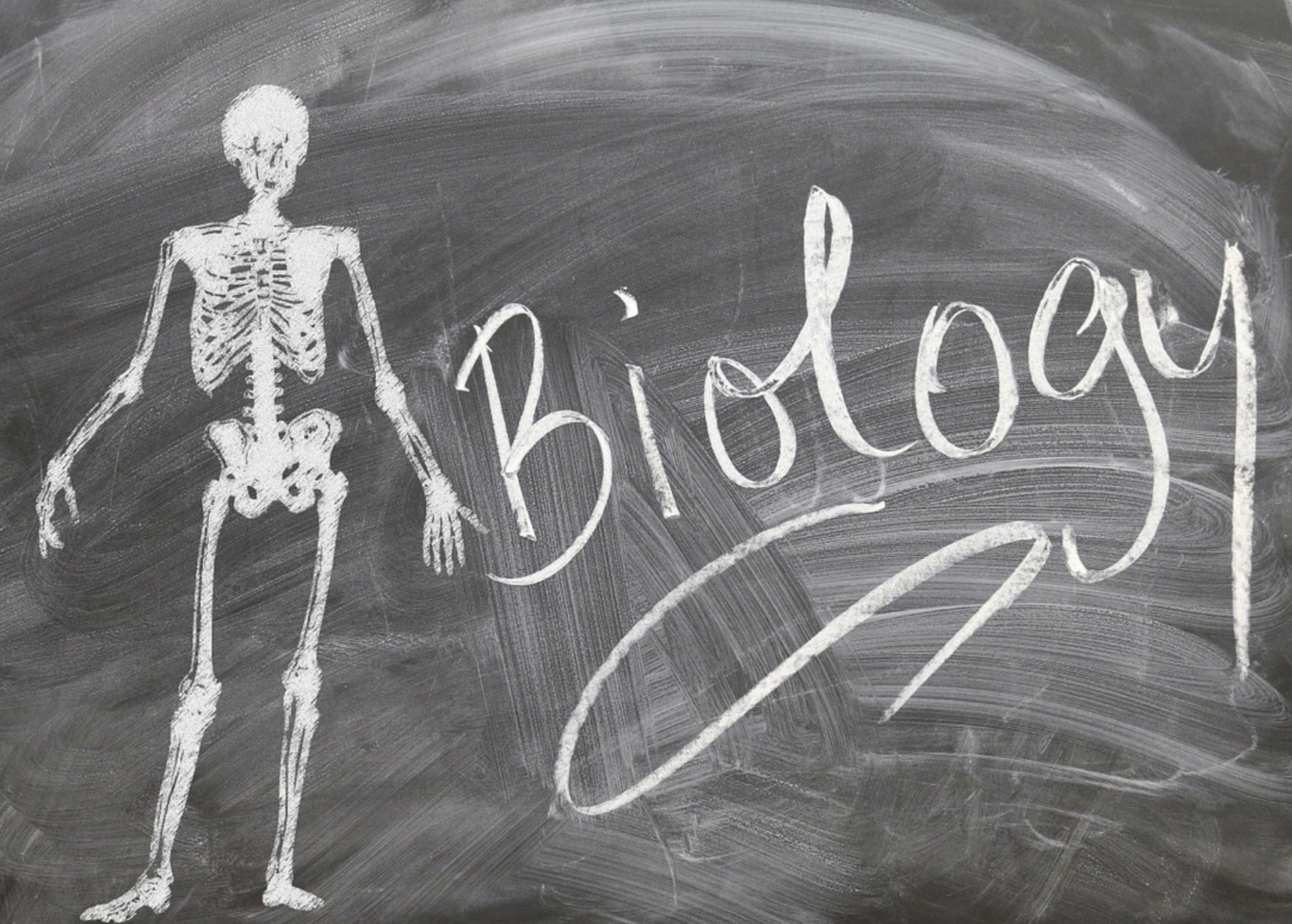
DR. COURTNEY VENGRIN

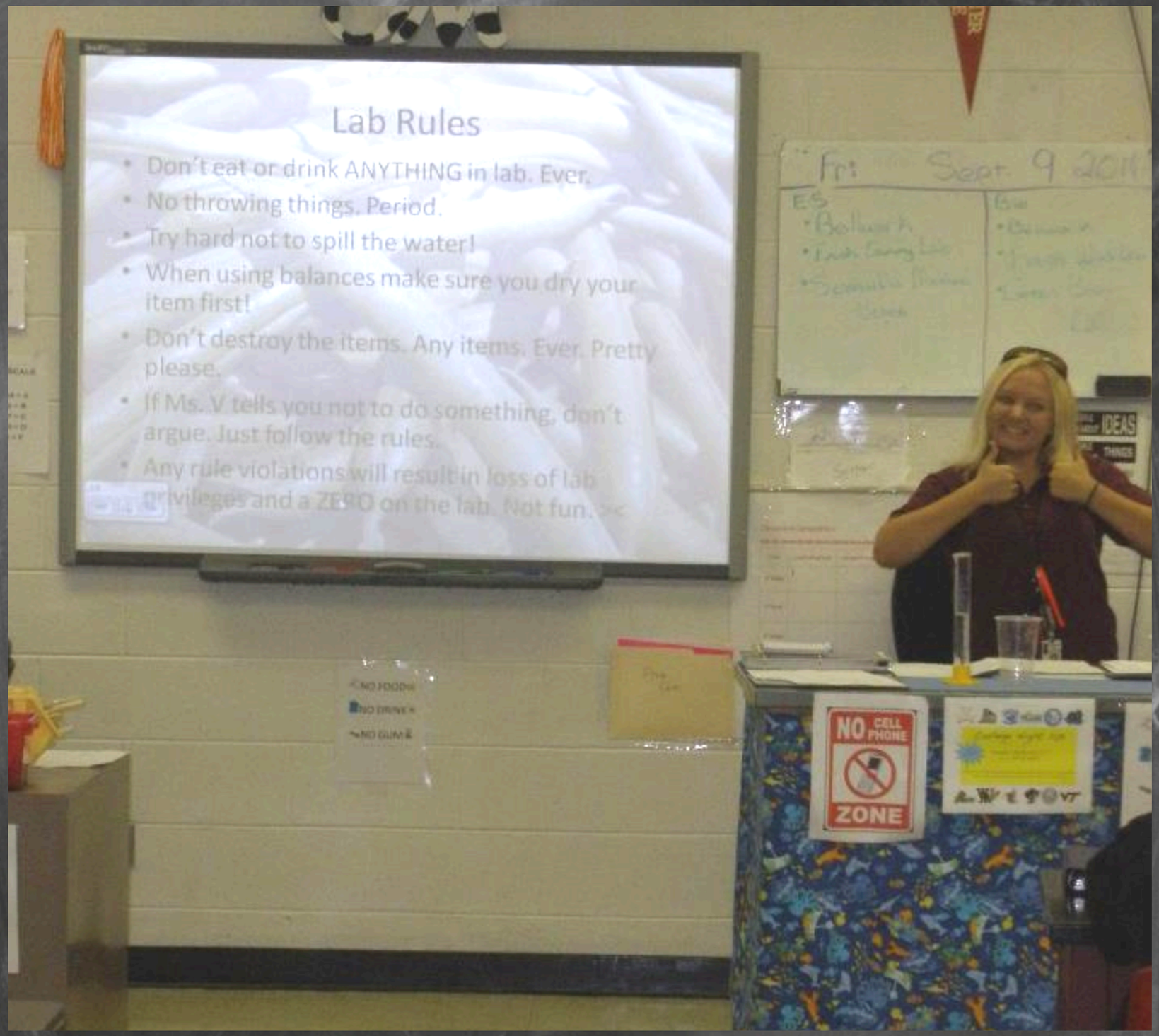
DIRECTOR OF ASSESSMENT AND FACULTY DEVELOPMENT

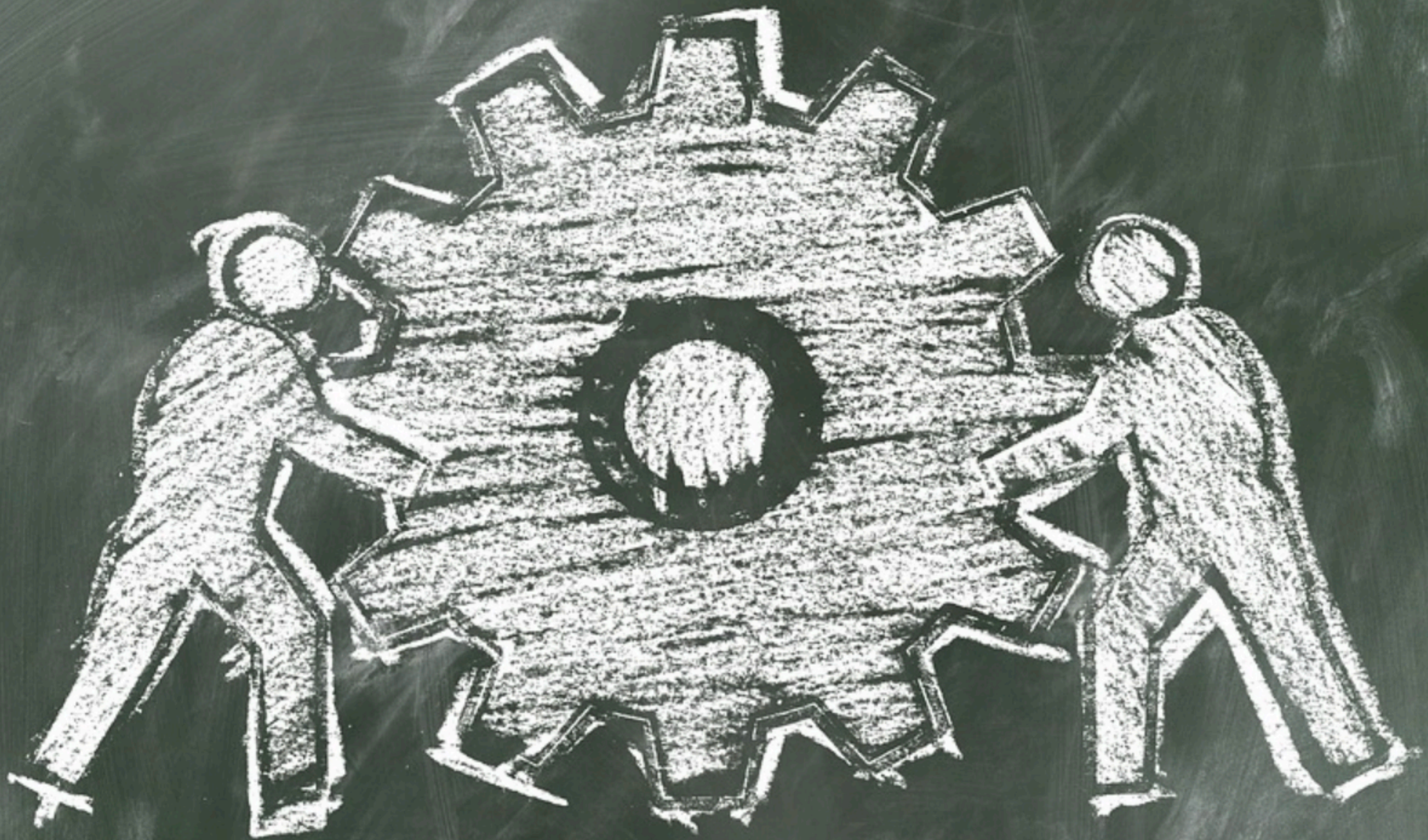
COLLEGE OF VETERINARY MEDICINE

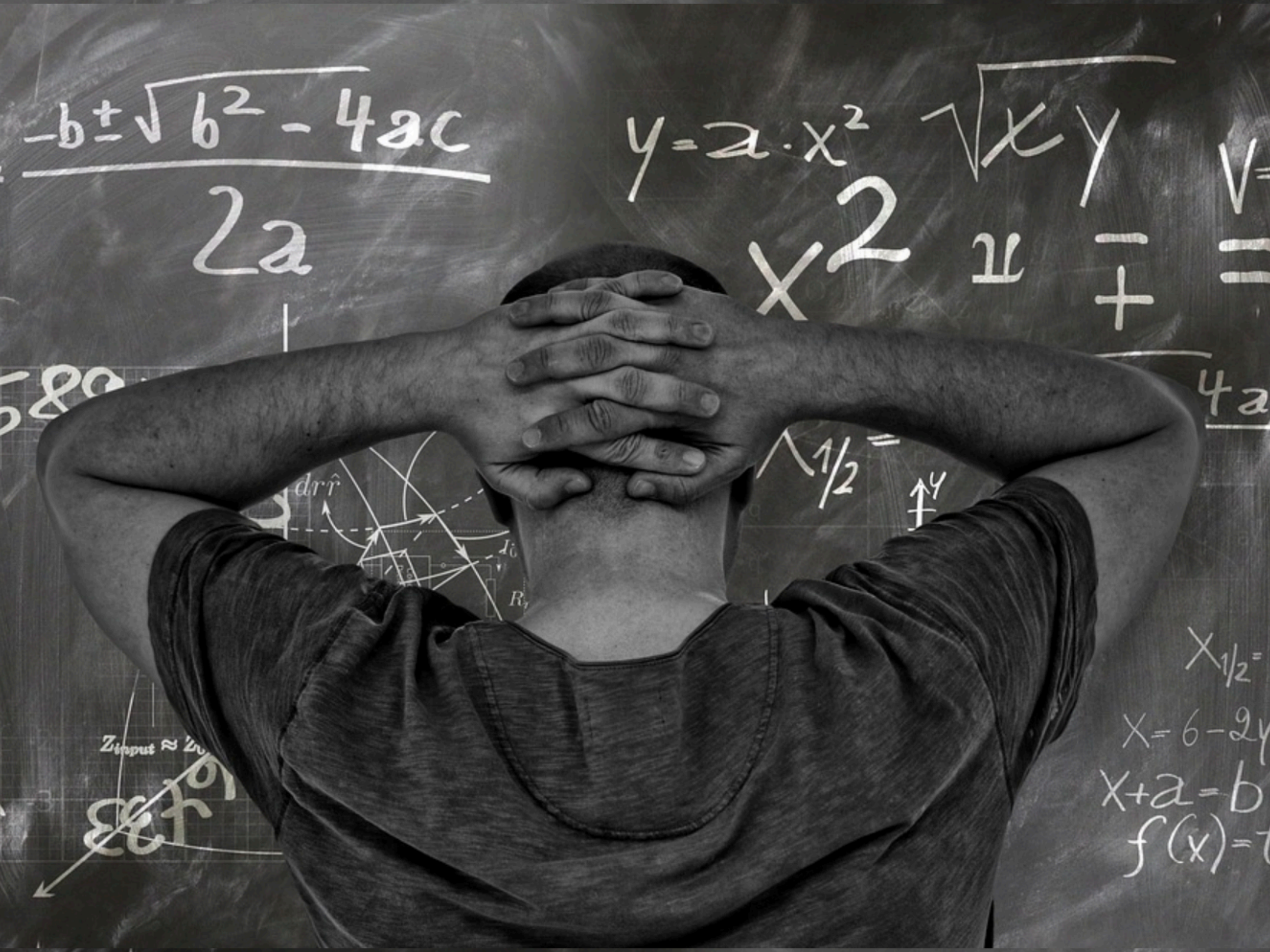
Očeti Šakówiŋ (Sioux)
Sauk and Meskwaki
Iowa

ABC


Biology


Lab Rules
Don't eat or drink ANYTHING in lab. Ever.
No throwing things. Period.
Try hard not to spill the water!
When using balances make sure you dry your item first!
Don't destroy the items. Any items. Ever. Pretty please.
If Ms. V tells you not to do something, don't argue. Just follow the rules.
Any rule violations will result in loss of lab privileges and a ZERO on the lab. Not fun.
Fri Sept 9 2011
NO CELL PHONE ZONE





$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$
$y = a \cdot x^2$
$\sqrt{xy}$
x^2
$\Lambda_{1/2} =$
$dr\hat{r}$
$Z_{input} \approx Z_0$
$x = 6 - 2y$
$x + a = b$

learn language

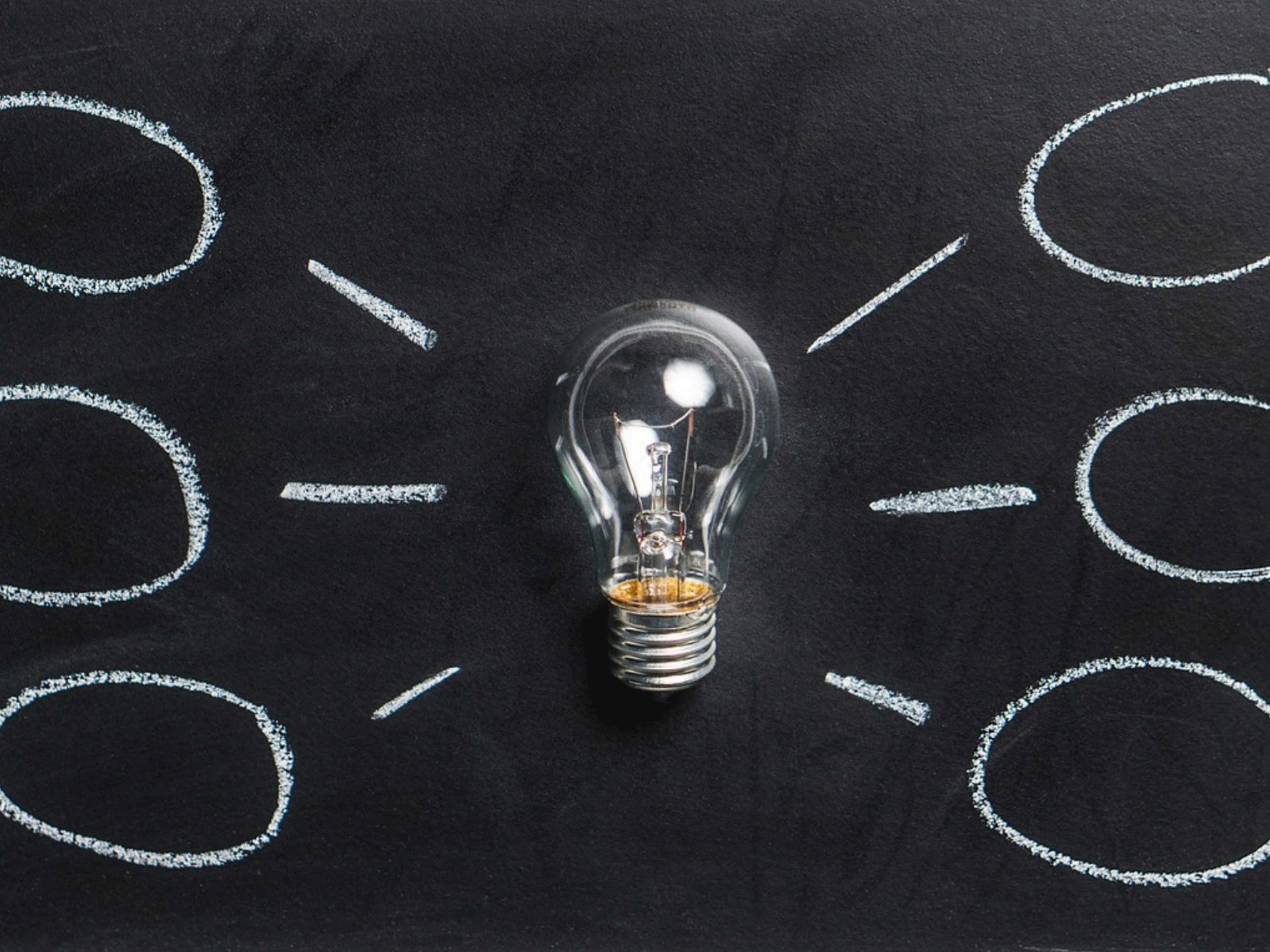
adjectives

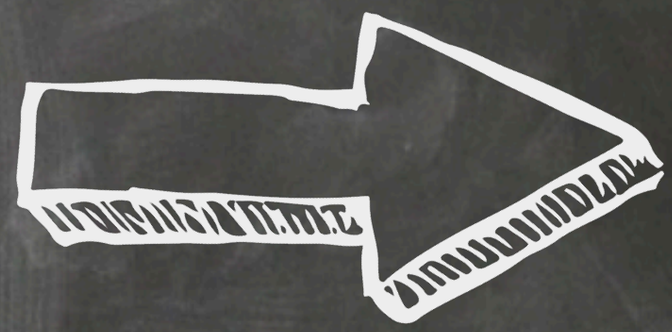
nouns

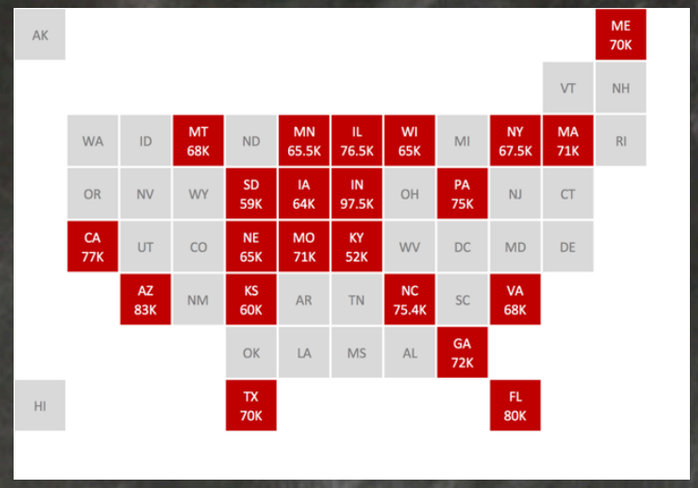
verbs

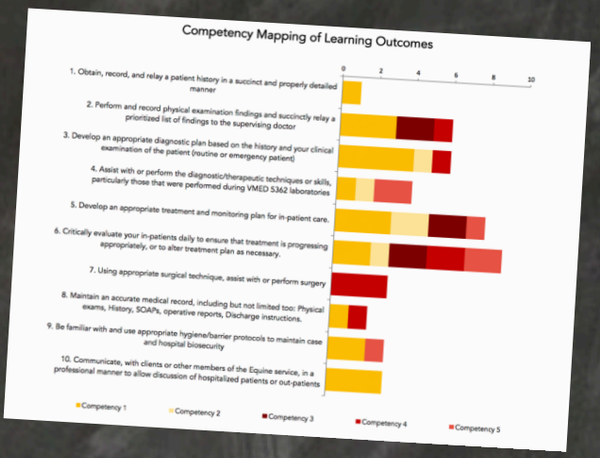
adverbs

Back to
School





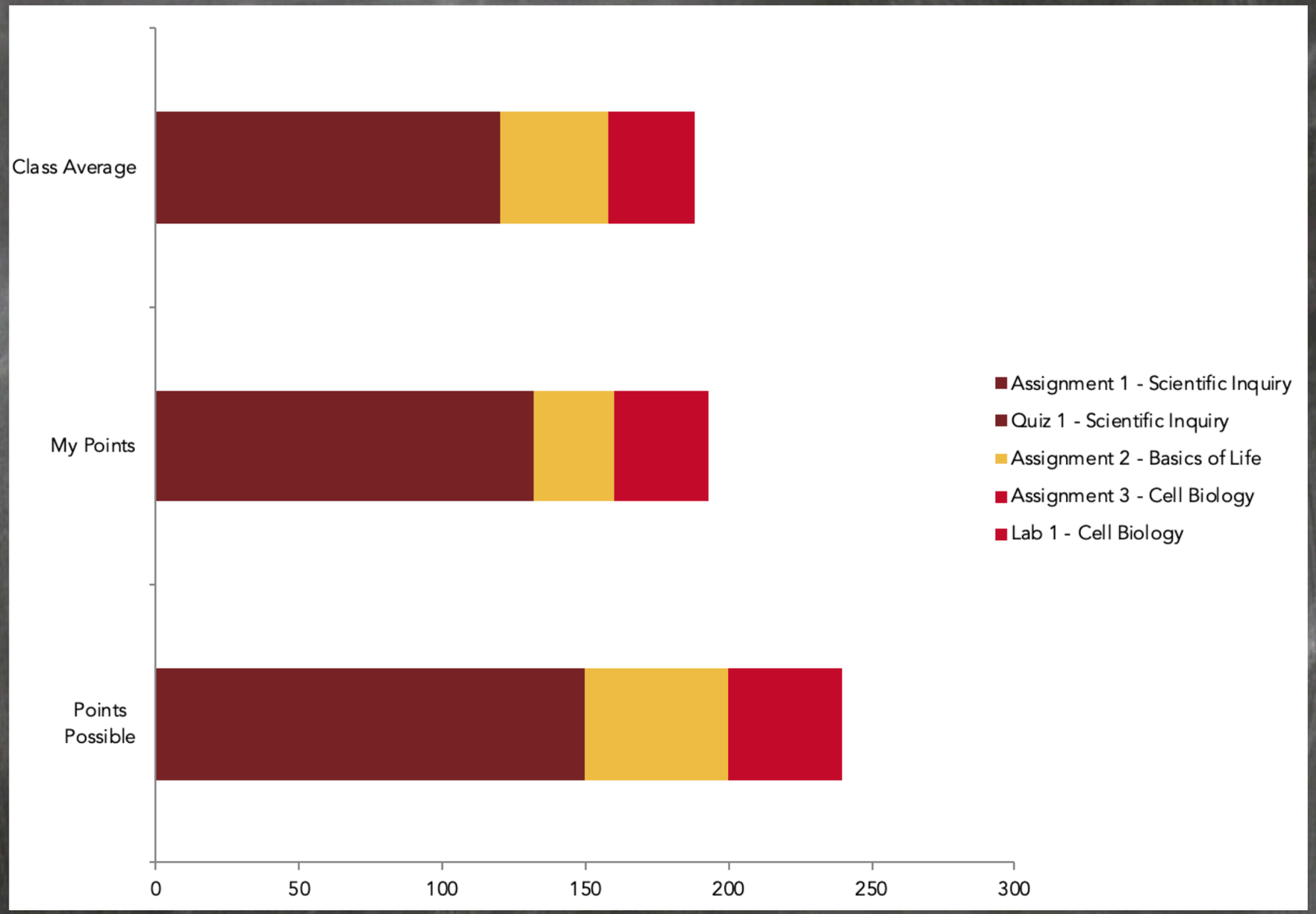

AK
ME 70K
VT
NH
WA
ID
MT 68K
ND
MN 65.5K
IL 76.5K
WI 65K
MI
NY 67.5K
MA 71K
RI
OR
NV
WY
SD 59K
IA 64K
IN 97.5K
OH
PA 75K
NJ
CT
CA 77K
UT
CO
NE 65K
MO 71K
KY 52K
WV
DC
MD
DE
AZ 83K
NM
KS 60K
AR
TN
NC 75.4K
SC
VA 68K
OK
LA
MS
AL
GA 72K
HI
TX 70K
FL 80K


Competency Mapping of Learning Outcomes
0
2
4
6
8
10
1. Obtain, record, and relay a patient history in a succinct and properly detailed manner
2. Perform and record physical examination findings and succinctly relay a prioritized list of findings to the supervising doctor
3. Develop an appropriate diagnostic plan based on the history and your clinical examination of the patient (routine or emergency patient)
4. Assist with or perform the diagnostic/therapeutic techniques or skills, particularly those that were performed during VMED 5362 laboratories
5. Develop an appropriate treatment and monitoring plan for in-patient care.
6. Critically evaluate your in-patients daily to ensure that treatment is progressing appropriately, or to alter treatment plan as necessary.
7. Using appropriate surgical technique, assist with or perform surgery
8. Maintain an accurate medical record, including but not limited too: Physical exams, History, SOAPs, operative reports, Discharge instructions.
9. Be familiar with and use appropriate hygiene/barrier protocols to maintain case and hospital biosecurity
10. Communicate, with clients or other members of the Equine service, in a professional manner to allow discussion of hospitalized patients or out-patients
Competency 1
Competency 2
Competency 3
Competency 4
Competency 5

Space is basically a cold and empty place
70%
60%
50%
40%
30%
20%
10%
0%
Strongly Agree
Agree
Disagree
Strongly Disagree

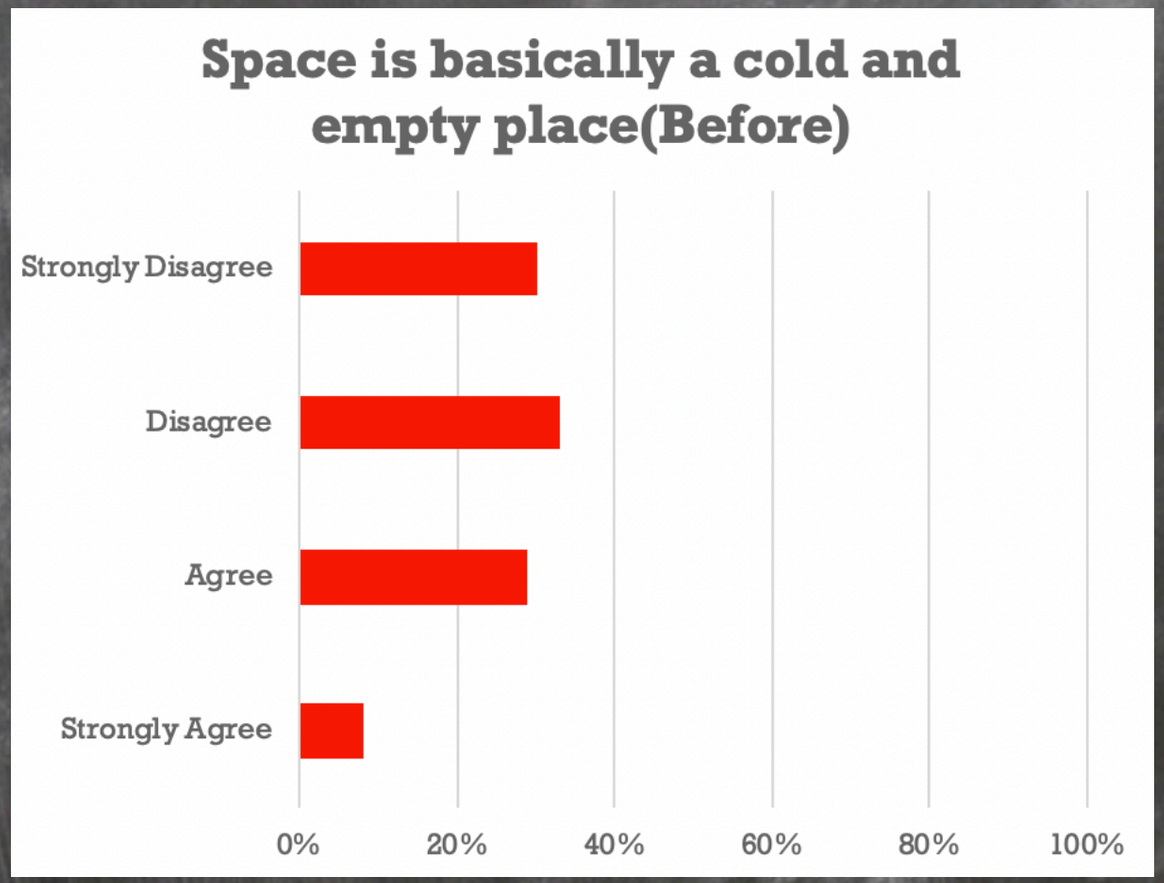
EDUCATIONAL IMPACTS

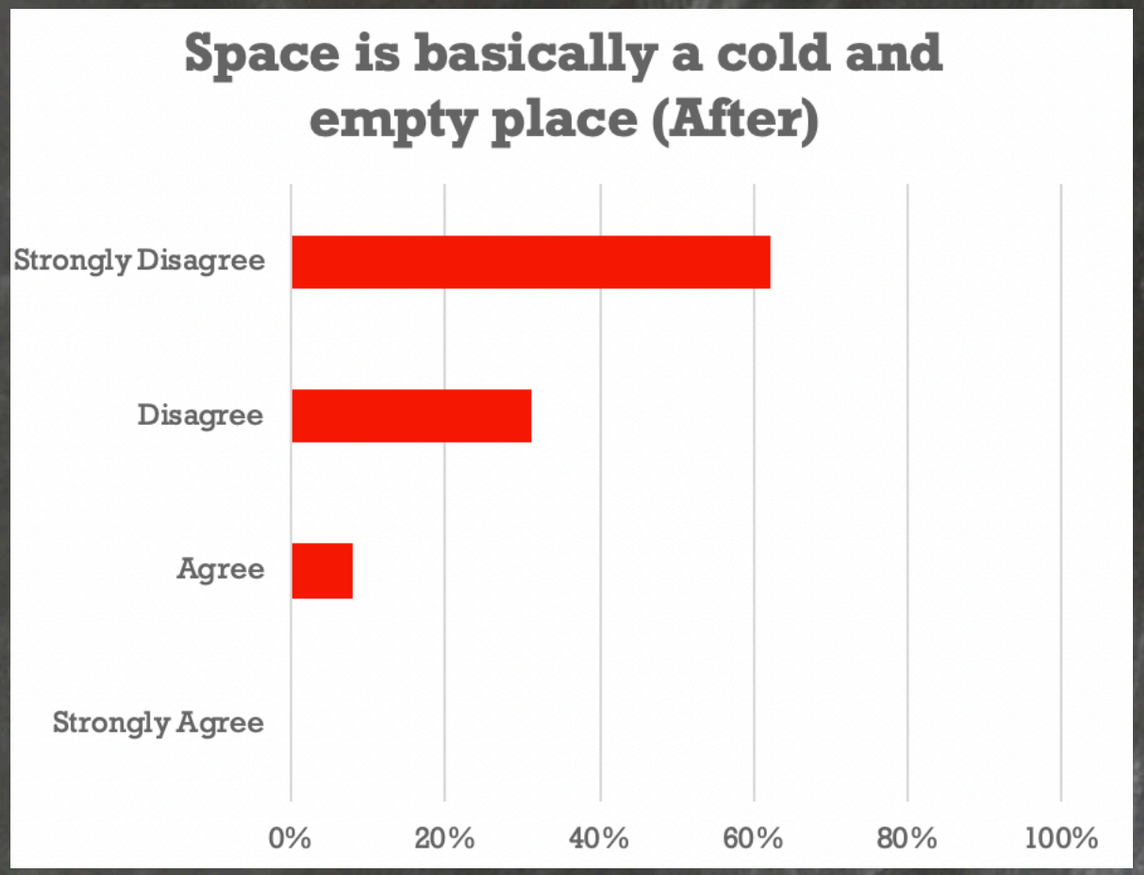
- Better communication of impacts on student success (Azzam, et al., 2013)
- Visualizations create a universal language that enable people around the world to exchange knowledge and to more fully understand complex ideas (NSF, 2016)
- Visualizations can assist students in self-assessment of learning (Olmanson, et al., 2015)
- Use of data visualization may result in a more effective education (Gama, 2014)


Class Average
My Points
Points Possible
0
50
100
150
200
250
300
Assignment 1 - Scientific Inquiry
Quiz 1 - Scientific Inquiry
Assignment 2 - Basics of Life
Assignment 3 - Cell Biology
Lab 1 - Cell Biology

Evidence Based Practice + Data + Visual = Story

Based on: Iliinsky, Noah PN, and Julie Steele. Designing data visualizations. O'Reilly, 2011.


Space is basically a cold and empty place(Before)
Strongly Disagree
Disagree
Agree
Strongly Agree
0%
20%
40%
60%
80%
100%


Space is basically a cold and empty place (After)
Strongly Disagree
Disagree
Agree
Strongly Agree
0%
20%
40%
60%
80%
100%

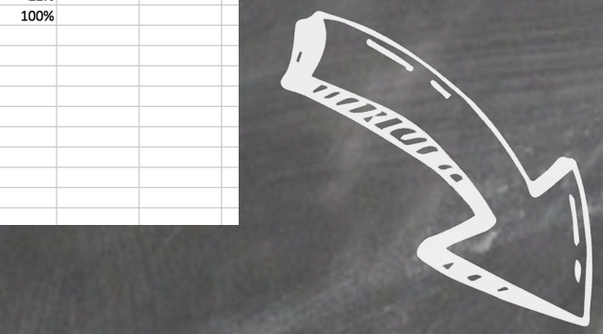
Space is basically a cold and empty place
70%
60%
50%
40%
30%
20%
10%
0%
Strongly Agree
Agree
Disagree
Strongly Disagree

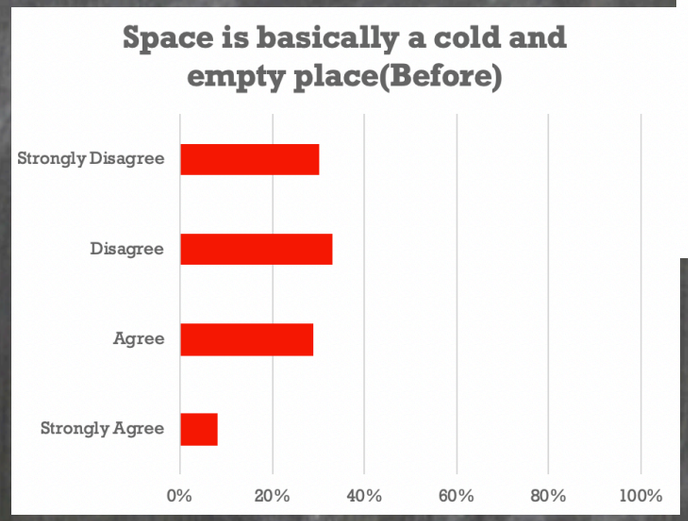
Home | Insert | Page Layout | Formulas | Data | Review

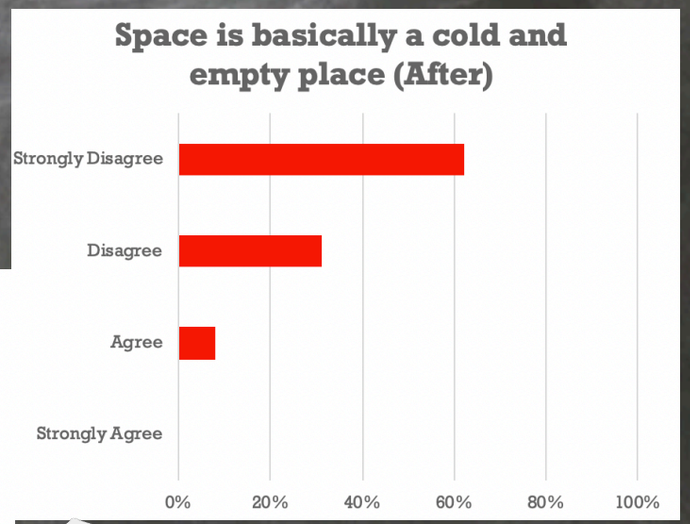
Paste | Cut | Copy | Format | Calibri (Body) | 12

E18

	A	B	C	D	E
1		Pretest	Posttest		
2	Strongly disagree	5%	4%		
3	Somewhat disagree	22%	14%		
4	Neither agree nor disagree	43%	16%		
5	Somewhat agree	18%	44%		
6	Strongly agree	12%	22%		
7		100%	100%		







8
C.M.BATTEY
1918

ILLITERACY.

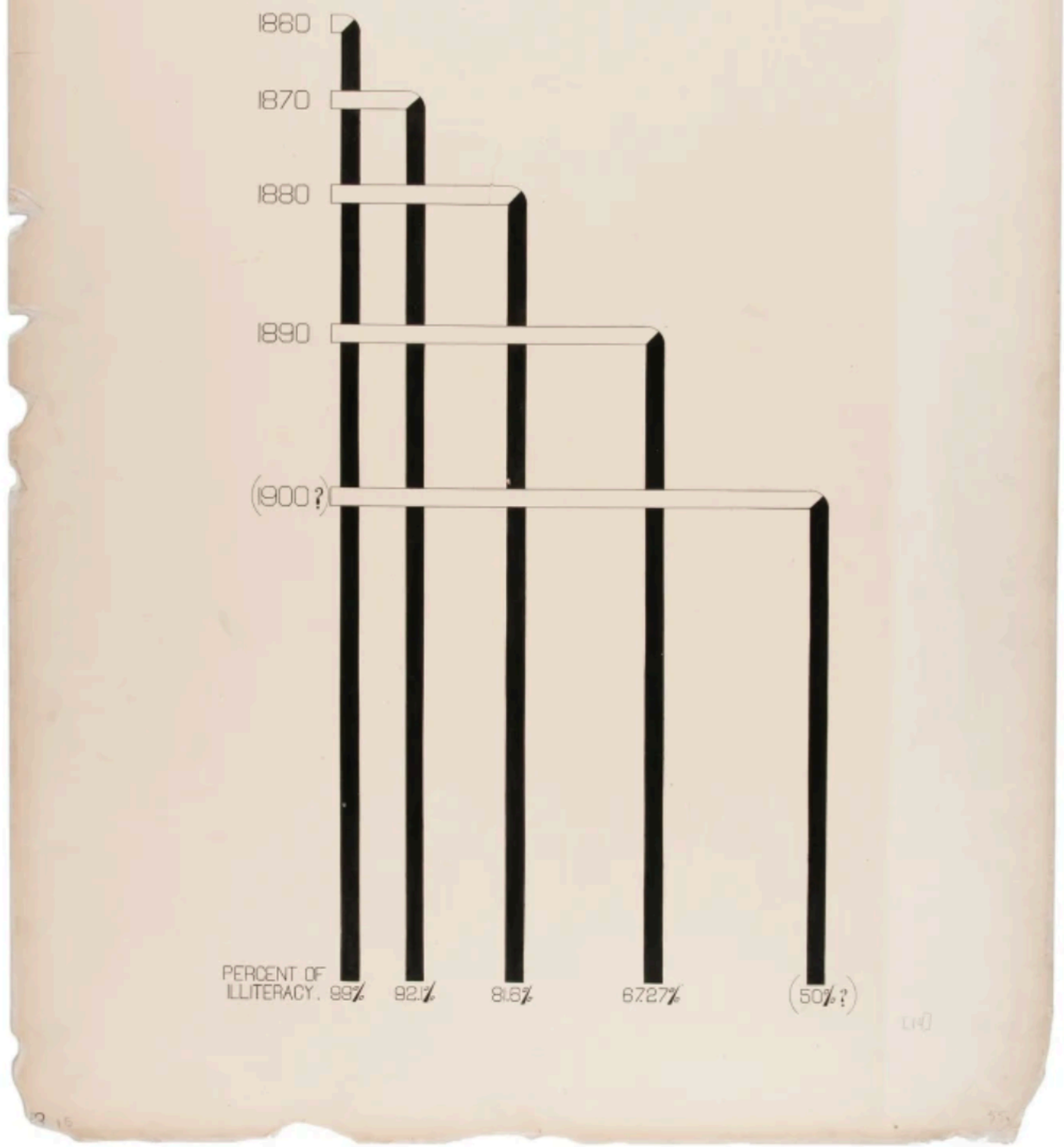
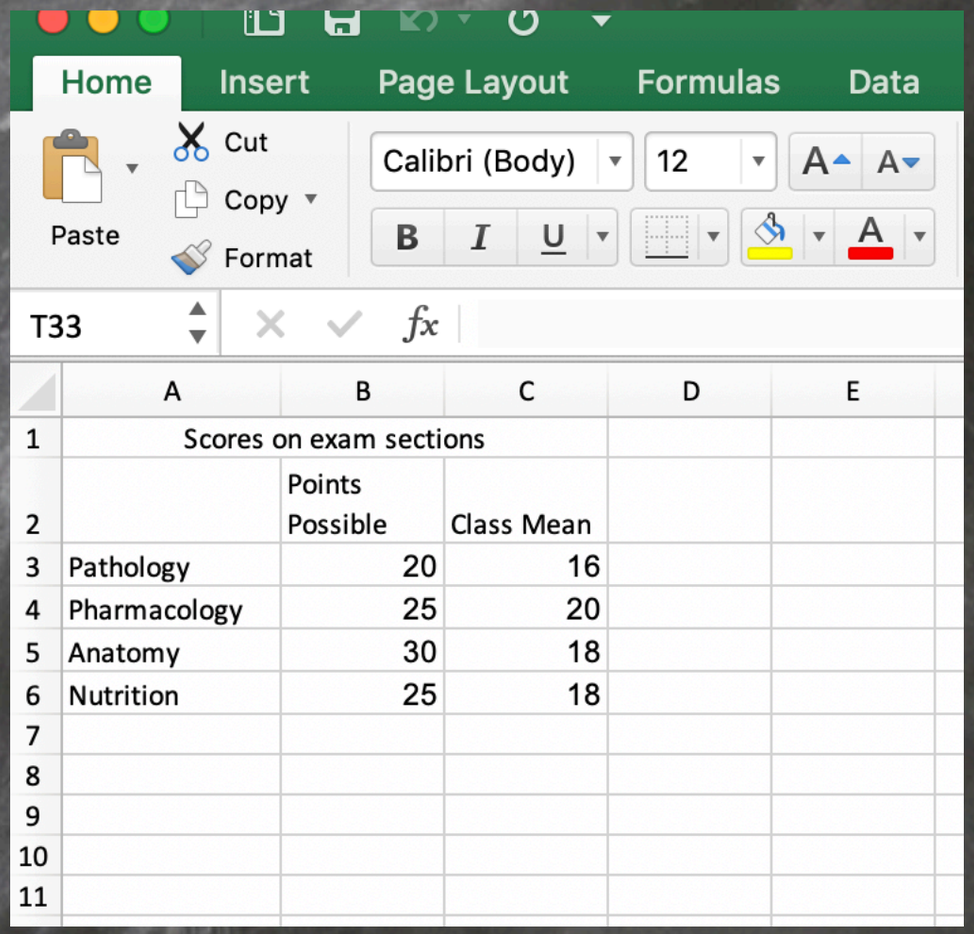


Image from W.E.B. DuBois Data Portraits



	A	B	C	D	E
1	Scores on exam sections				
2		Points Possible	Class Mean		
3	Pathology	20	16		
4	Pharmacology	25	20		
5	Anatomy	30	18		
6	Nutrition	25	18		
7					
8					
9					
10					
11					

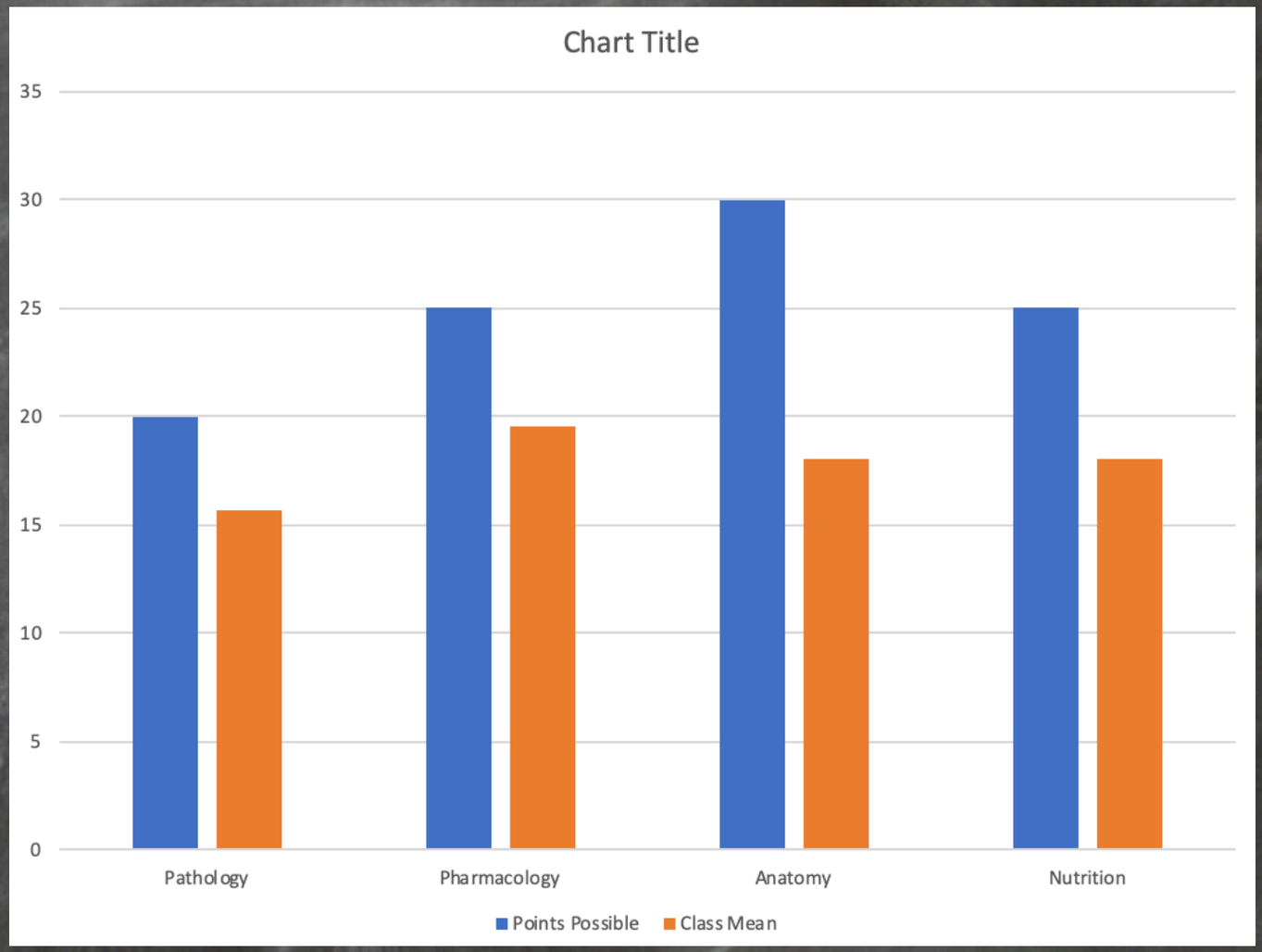


Chart Title
35
30
25
20
15
10
5
0
Pathology
Pharmacology
Anatomy
Nutrition
Points Possible
Class Mean

Iowa State University
of Science and Technology

The primary palette consists of five colors, which are led by the university's two signature colors, cardinal (Pantone 186c) and gold (Pantone 142c). These colors may be used extensively both for large areas of color or as an accent color. Screens or tints of the primary colors may be used to achieve a desired effect, however, screening the red shades will result in pink, which should be avoided altogether.

PANTONE 186 C
CMYK 2 100 85 6
HEX #C8102E
RGB 200 16 46

PANTONE 142 C*
CMYK 0 24 78 0
HEX #F1BE48
RGB 241 190 72

PANTONE 449 C
CMYK 31 38 75 76
HEX #524727
RGB 82 71 39

PANTONE 451 C
CMYK 21 15 54 31
HEX #9B945F
RGB 155 148 95

PANTONE 454 C
CMYK 11 5 29 8
HEX #CAC7A7
RGB 202 199 167

**Please note when using Pantone 142 on uncoated paper stock Pantone 7549U should replace Pantone 142.*

The colors of the secondary palette have been selected to compliment the primary colors. Their understated tones were chosen to work well as a subtle background behind typography or other graphics, or in other situations where a restrained use of color is desired. Screens or tints of the secondary colors may be used to achieve a desired effect, however, screening the red shades will result in pink, which should be avoided altogether.

PANTONE 5743 C
CMYK 54 24 86 73
HEX #3E4827
RGB 62 72 39

PANTONE 7496 C
CMYK 46 6 100 42
HEX #76881D
RGB 118 136 29

PANTONE 5777 C
CMYK 26 9 56 20
HEX #A2A569
RGB 162 165 105

PANTONE 548 C
CMYK 100 21 28 76
HEX #003D4C
RGB 0 61 76

PANTONE 307 C
CMYK 100 22 2 18
HEX #006BA6
RGB 0 107 166

PANTONE 5425 C
CMYK 45 16 9 24
HEX #7A99AC
RGB 122 153 172

PANTONE 1815 C
CMYK 16 97 86 54
HEX #7C2529
RGB 124 37 41

PANTONE 484 C
CMYK 8 92 100 33
HEX #9A3324
RGB 154 51 36

PANTONE 167 C
CMYK 5 77 100 15
HEX #BE531C
RGB 190 83 28

PANTONE 464 C
CMYK 11 53 94 53
HEX #8B5B29
RGB 139 91 41

PANTONE 465 C
CMYK 9 29 66 24
HEX #B9975B
RGB 185 151 91

PANTONE 7403 C
CMYK 1 11 58 2
HEX #EED484
RGB 238 212 132

PANTONE WARM GREY 11 C
CMYK 26 36 38 68
HEX #6E6259
RGB 110 98 89

PANTONE 424 C
CMYK 30 20 19 58
HEX #707372
RGB 112 115 114

PANTONE WARM GREY 5 C
CMYK 11 13 16 32
HEX #ACA39A
RGB 172 163 154

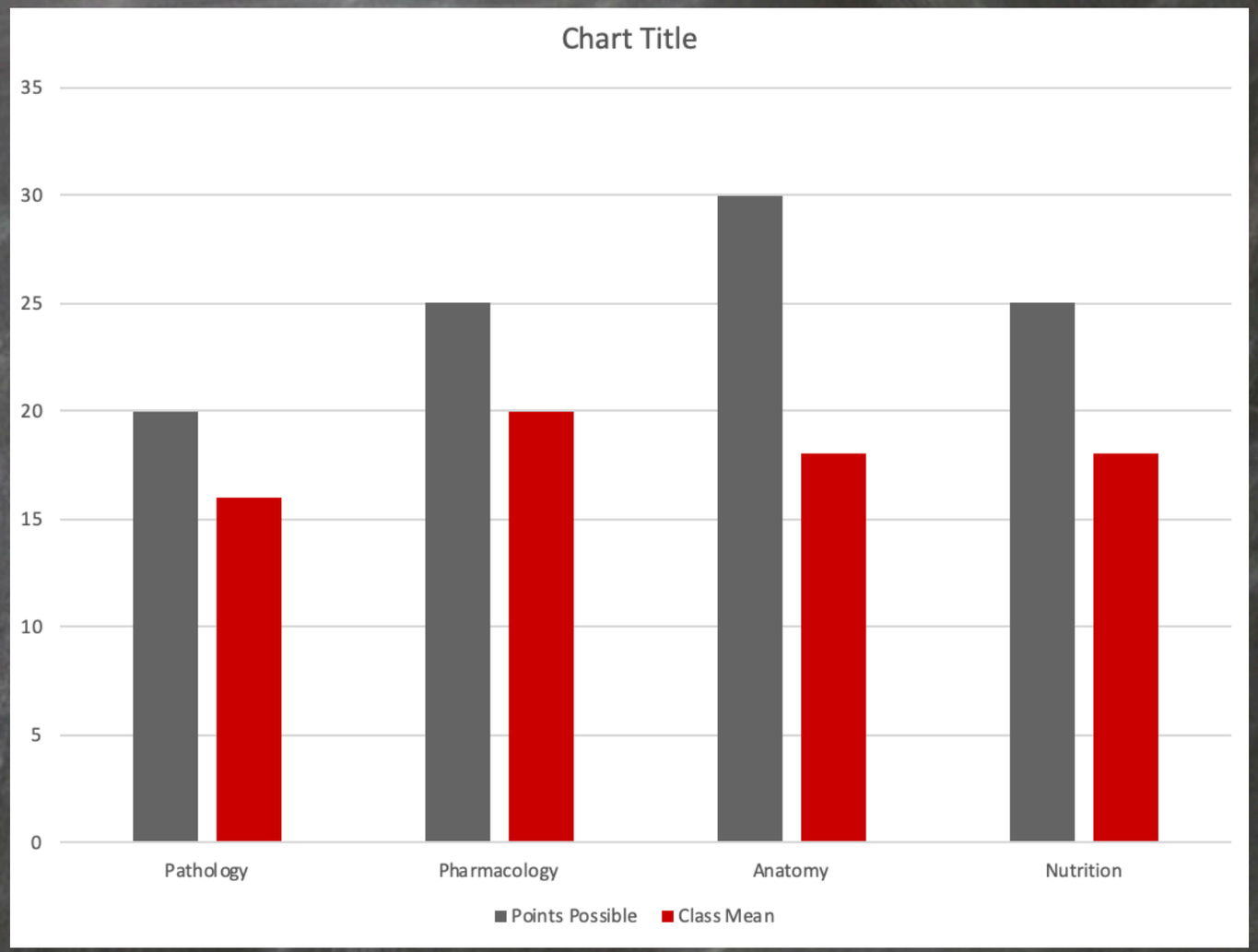


Chart Title
35
30
25
20
15
10
5
0
Pathology
Pharmacology
Anatomy
Nutrition
Points Possible
Class Mean

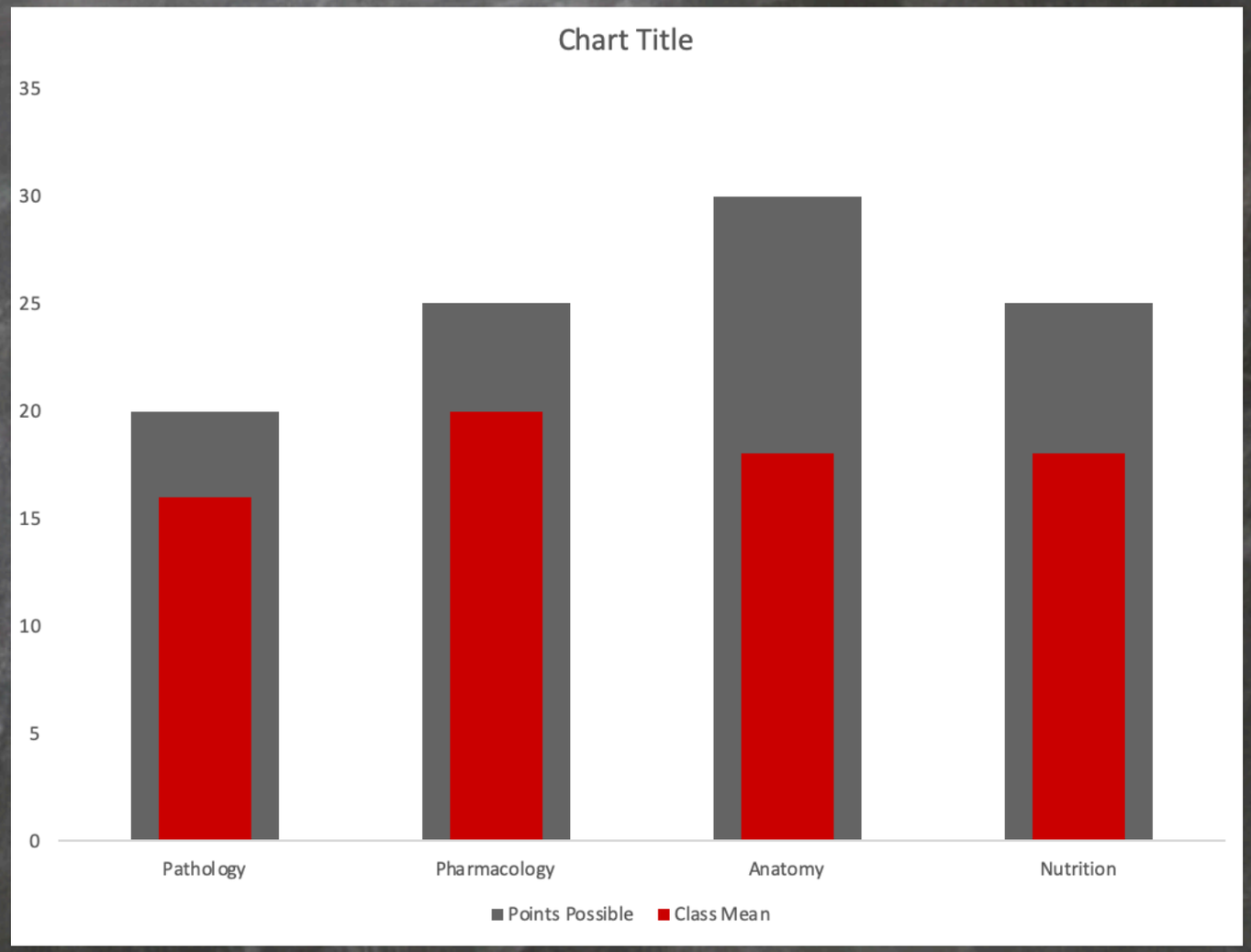
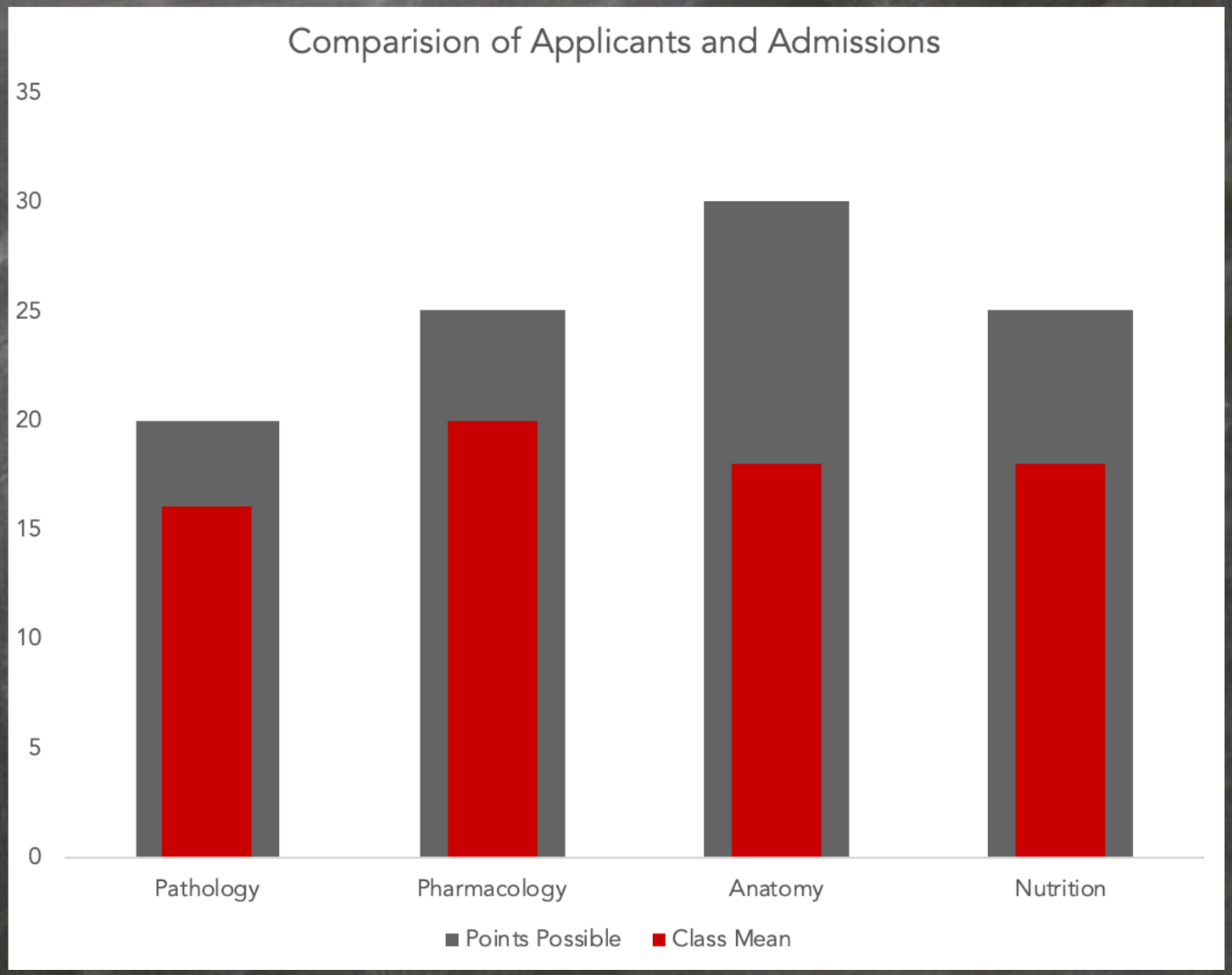
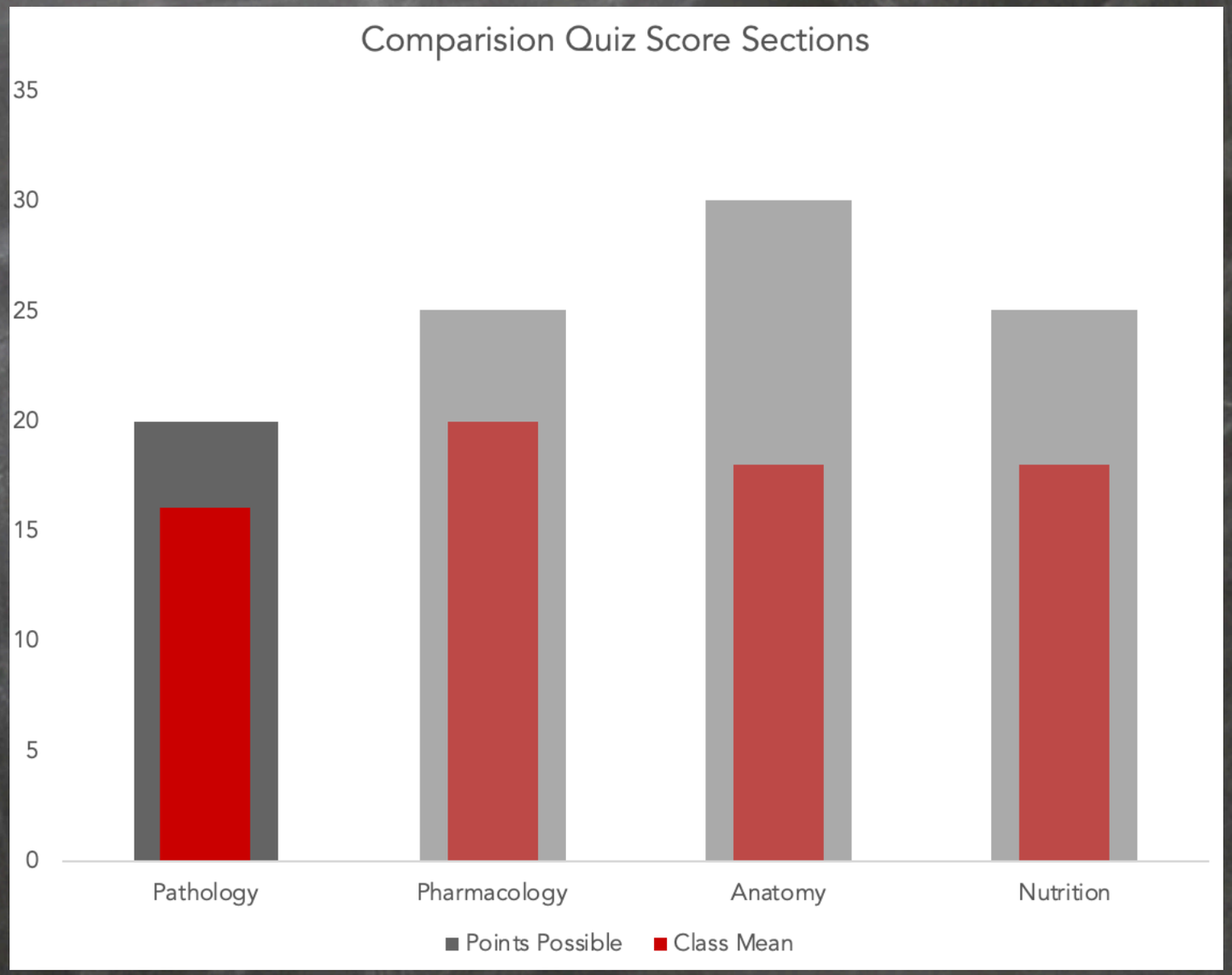
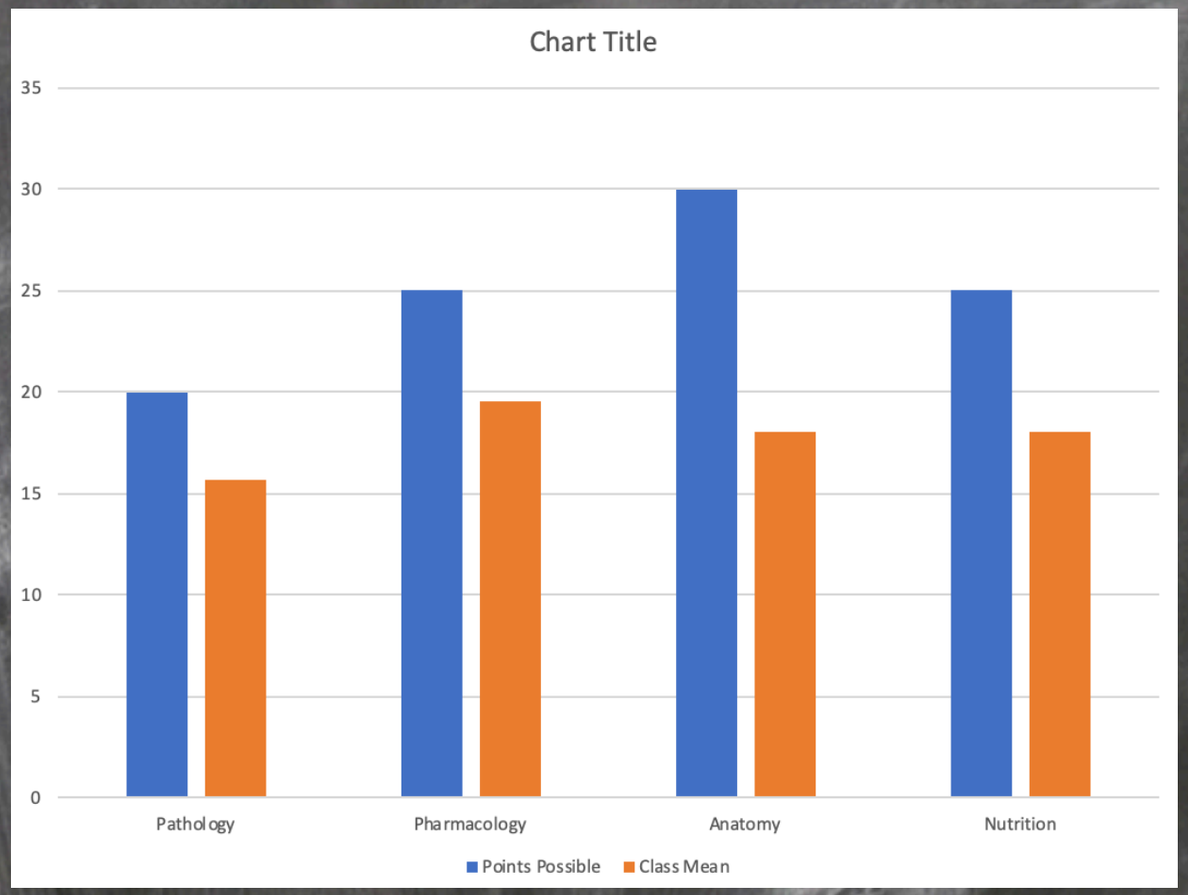


Chart Title
35
30
25
20
15
10
5
0
Pathology
Pharmacology
Anatomy
Nutrition
Points Possible
Class Mean


Comparision of Applicants and Admissions
35
30
25
20
15
10
5
0
Pathology
Pharmacology
Anatomy
Nutrition
Points Possible
Class Mean


Comparision Quiz Score Sections
35
30
25
20
15
10
5
0
Pathology
Pharmacology
Anatomy
Nutrition
Points Possible
Class Mean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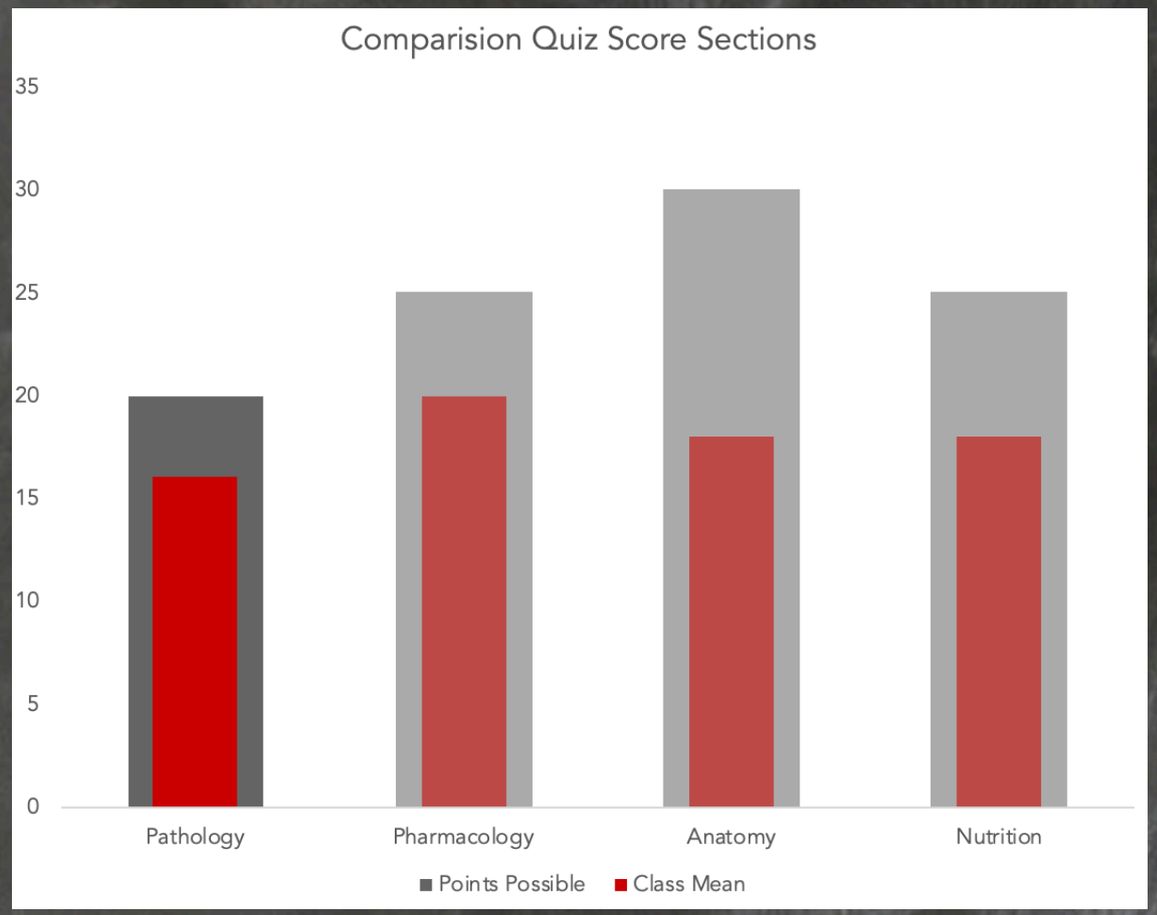
Comparision Quiz Score Sections
35
30
25
20
15
10
5
0
Pathology
Pharmacology
Anatomy
Nutrition
Points Possible
Class Mean

DATA VISUALIZATION PROVIDES A MEANS TO VIEW DATA IN DIFFERENT WAYS AND GIVES US A BETTER CHANCE OF DETECTING OBSCURED PATTERNS AND CONNECTIONS

AZZAM, T. EVERGREEN, S. EDITORS' NOTES. NEW DIRECTIONS FOR EVALUATION 2013.139 (2013): 3-5.

WHAT'S YOUR STORY