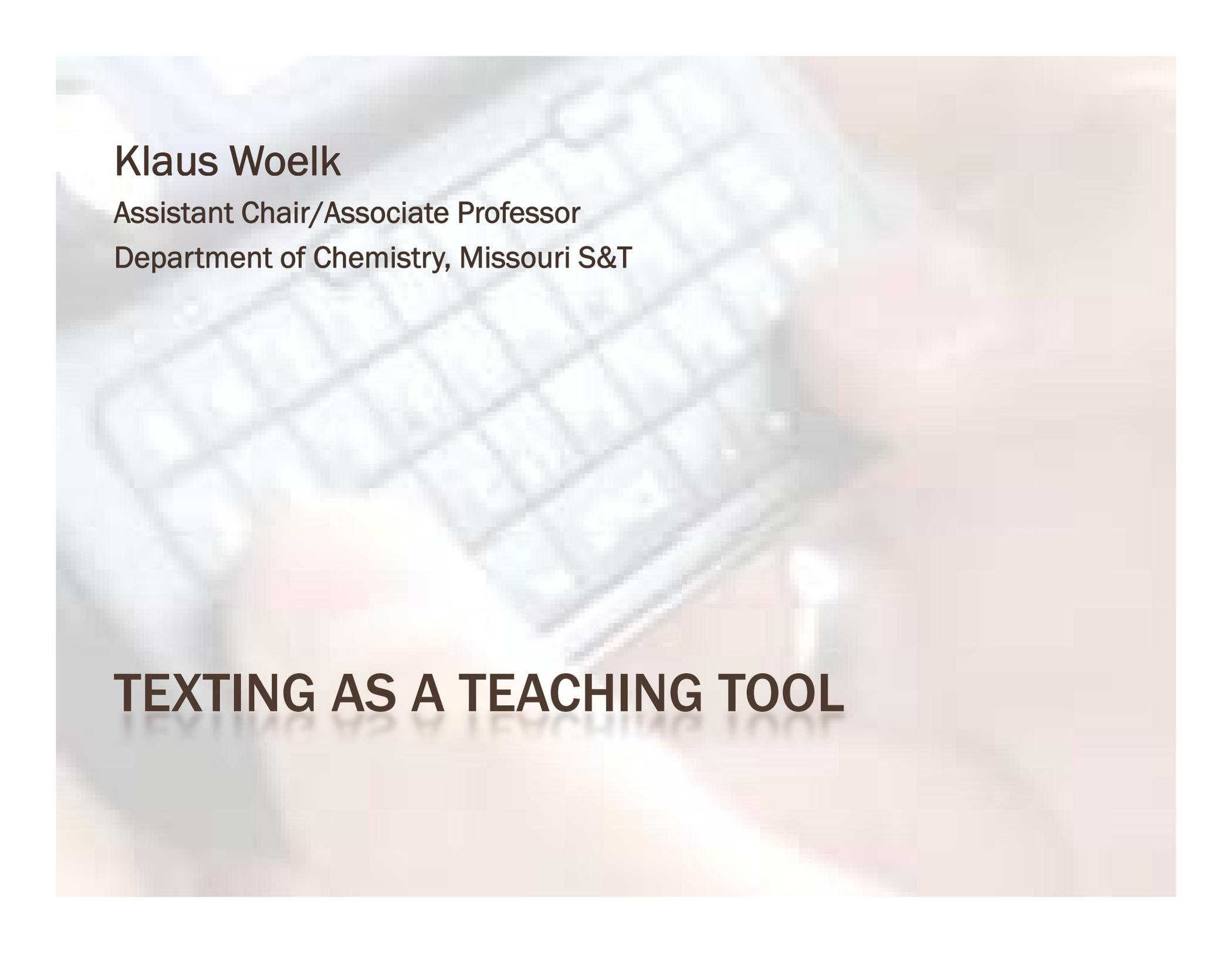




im vry bsy rght now im lernin 😊

TEXTING AS A TEACHING TOOL

A hand holding a smartphone, with the screen showing a blurred grid pattern. The background is a soft, out-of-focus light brown color.

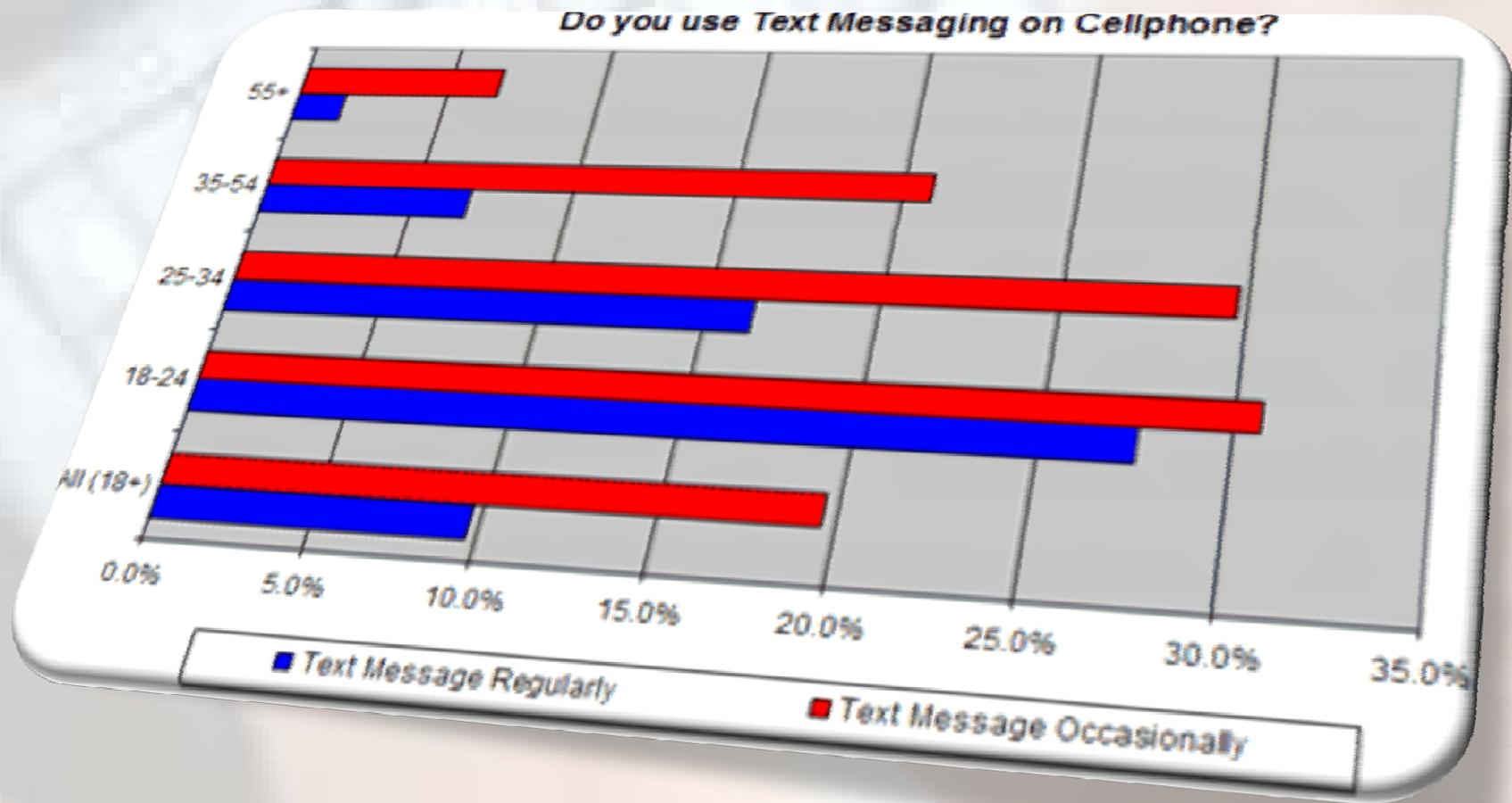
Klaus Woelk

Assistant Chair/Associate Professor

Department of Chemistry, Missouri S&T

TEXTING AS A TEACHING TOOL

TEXTING AS A TEACHING TOOL



from: <http://www.imediaconnection.com/content/6271.asp>

TEXTING AS A TEACHING TOOL



BF	Boyfriend or Best Friend
BRB	Be Right Back
G2G	Gotta Go
GF	Girlfriend
H&K	Hugs And Kisses
IRL	In Real Life
JIC	Just In Case
JK	Just Kidding
L8R	Later
LOL	Laugh Out Loud
NP	No Problem
OMG	Oh My Gosh
P911	Parent Alert
POS	Parent Over Shoulder
TMI	Too Much Information
TTYL	Talk To You Later

from: <http://www.textually.org/textually/archives/2009/02/?p=2>



MY FALL SEMESTER 2009 CLASS

- × **General chemistry (Chem 1, 189 students)**

- + 86% freshman, 9% sophomore, 5% other

- × **Engineering students (82%)**

- + 29% mechanical and aerospace, 12% electrical and computer, 12% civil and environmental, 12% chemical, 6% metallurgical and ceramics, 6% architectural, 9% other, 14% undeclared

- × **Non-major science students (9%)**

- + 47% biology, 41% computer, 12% other

- × **Chemistry students (6%)**

- × **Others (3%)**

- + mostly undeclared

MAXIMIZE YOUR STUDIES

1. Attend Class

2. Read Text

3. Take Notes

- From Reading
- During class
- Consolidate

4. Do Problems

- Homework
- Do unassigned problems (they come in pairs)
- Practice, practice, practice

5. Ask Questions

- Be specific
- Keep your hand up
- Politely interrupt
- Texting (SMS)

6. Classroom Etiquette

- Cell phones on home or vibrate
- Talk only during discussions

**IN-CLASS TELEPHONE NUMBER
FOR TEXTING COMMENTS OR QUESTIONS:**

(573) 612-1-MST

or:

(573) 612-1678

SEVEN PRINCIPLES FOR GOOD PRACTICE IN UNDERGRADUATE EDUCATION*

Adopted by the UM Board of Curators for the
UM Strategic Action Plan "*A Design for the Future*" (1999).

Faculty Members are urged to:

1. Encourage Student-Faculty Contact
2. Encourage Cooperation Among Students
3. Encourage Active Learning
4. Give Prompt, Frequent, Informative Feedback
5. Emphasize Time on Task
6. Communicate High Expectations
7. Respect and Encompass Diverse Talents and Learning Styles

* modified slightly from: Chickering and Gamson (*AAHE Bull.* vol 39(March), 3-7, 1987)

<http://lead.mst.edu/sevenprinciples/index.com>

SEVEN PRINCIPLES FOR GOOD PRACTICE IN UNDERGRADUATE EDUCATION

Principle 1: Encourage Student-Faculty Contact

- ✘ Frequent student-faculty contact is a key factor in student motivation, involvement, and learning.
- ✘ Faculty concern helps students get through rough times and continue to strive for success.
- ✘ Devise methods that actively and successfully promote student-faculty contact with both individual students and larger groups of students.

RECEIVING TEXT MESSAGES IN THE CLASSROOM

- ✗ Create *internet phone & texting account* (e.g. Google Voice)

Download *internet browser refresher*
shareware or freeware
automatically refreshes webpages after a preset interval

- ✗ Bring a *laptop computer* to class
- connect through *wireless university connection*
- set refresher to about 1 minute
- deactivate screen saver and power-save mode

RECEIVING TEXT MESSAGES IN THE CLASSROOM

✘ *Directly*

- + casually monitor activities on laptop computer
- + react immediately
- *distraction from teaching*

✘ *Indirectly*

- + TA monitors activity on laptop computer
- + TA extracts appropriate questions and comments for immediate response
- *delay between question and answer (immediacy)*

CATEGORIES OF TEXT MESSAGES

- ✘ Messages that **should** be addressed immediately
- ✘ Messages that **could** be addressed immediately
- ✘ Messages addressed at the beginning of the next lecture
- ✘ Messages posted on the discussion board
- ✘ Inappropriate Messages
- ✘ Funny Messages

MESSAGES THAT SHOULD BE ADDRESSED IMMEDIATELY

- ✗ Why is titanium(IV) oxide an answer for PbO_2 ?
- ✗ Why is N_2O_4 a species when it's a compound
- ✗ What is meant by the term 'elemental modification'?
- ✗ Does it matter where you start putting the first group of 2 valence electrons in a Lewis structure?
- ✗ Could you explain in a little more detail how the mass of carbon-12 is obtained and why it is used in obtaining masses of other elements

MESSAGES

THAT SHOULD BE ADDRESSED IMMEDIATELY

- ✘ The 0 at the end of .0310 is not significant!
- ✘ I can understand three sig figs on the second question, but requesting two sig figs on the balloon question was completely illogical
- ✘ Why is it that you expect 2 sig figs on the balloon question, resulting in an unchanged answer, yet expect three sig figs on the next, where the third fig is 0?

MESSAGES THAT COULD BE ADDRESSED IMMEDIATELY

- ✘ So a molecule with many bonds has less energy overall but the bonds themselves are shorter and stronger. Is this correct?
- ✘ I sorry. for some reason i dont understand whats happening on the london dispersion forces slide
- ✘ Could you do a couple examples of writing empirical formulas?

MESSAGES

ADDRESSED AT THE BEGINNING OF THE NEXT LECTURE

- ✘ Why are elements that have been created in a lab still included even though they are not naturally occurring?
- ✘ Could u put on blackboard a couple of sheets of nomenclature problems with some of each type with an answer sheet for practice
- ✘ Can u do a problem similar to the breathalyzer problem on saturday's homework thats due sat? Its a nightmare.
- ✘ Are there any good websites to help us visualize lattice arrays?

MESSAGES

ADDRESSED AT THE BEGINNING OF THE NEXT LECTURE

- ✗ What is the difference between dissolving and disassociating? Is there a difference?
- ✗ It's spelled disassociate.

WordReference.com English Dictionary

disassociate:

part; cease or break association with; "She disassociated herself from the organization when she found out the identity of the president"

dissociate:

to undergo a reversible or temporary breakdown of a molecule into simpler molecules or atoms; "acids dissociate to give hydrogen ions"

MESSAGES POSTED ON THE DISCUSSION BOARD

- ✘ Could it not be plausible that potential energy does not exist and the increase in kinetic energy is the energy from somewhere else being transferred?
- ✘ Since Na and Cl are strong electrolytes, does the electricity from the radiofrequency generator ignite them?
- ✘ I sense the water engine angers you klaus. Why are you so passionately against advancement? Are the oil companies lining your pockets?
- ✘ Is the government paying you to tell us the salt powered car will not work?
- ✘ Are you being paid by the oil companies to shoot down alternative energy solutions? Oil is just as inefficient

INAPPROPRIATE MESSAGES

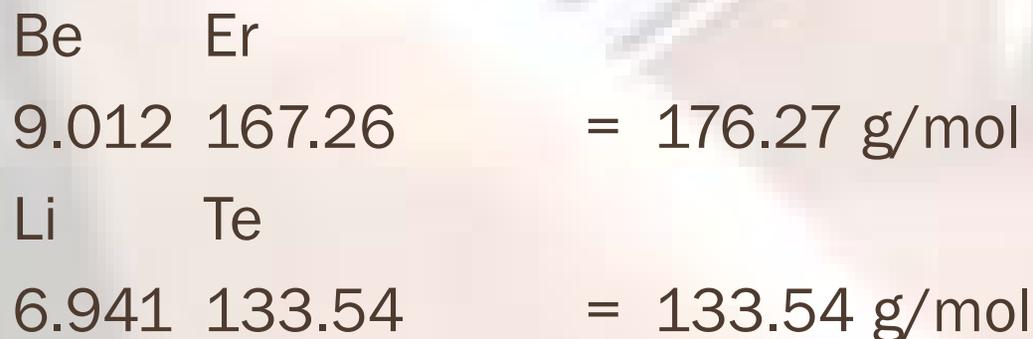
- ✘ How is 10g of water equal to 5 mole
- ✘ Excuse my ignorance, but in what universe did I wake up into that 10g of water is 5 mol?
- ✘ excuse my ignorance but what universe did i wake up in where students are so conceited they publically put down an excellent teacher 4 making a simple mistake

INAPPROPRIATE MESSAGES

- ✘ Wish i had dr mao u suck at teaching
- ✘ You are a good teacher and i like how you explain your power points in depth and make sure we understand them.
Whoever sent the hateful message is an idiot.
- ✘ I appologize for sayin that rude. Comment...was havin a bad day but it was vry immature...im sorry

FUNNY MESSAGES

- ✗ If H₂O is on the inside of a fire hydrant what's on the outside? K9P! Lololol
- ✗ I have a .001M concentration. How do I pay attention?
- ✗ What's the chemical name for beer?



FUNNY MESSAGES

- ✘ I am tired today. Can u talk in german? Maybe it will wake me up
- ✘ Why do we need to know chemistry if the world is going to end in 2012, that is according to the Mayan Calender?

***Even if I knew that tomorrow the world would go to pieces,
I would still plant my apple tree.***

Martin Luther

FUNNY MESSAGES

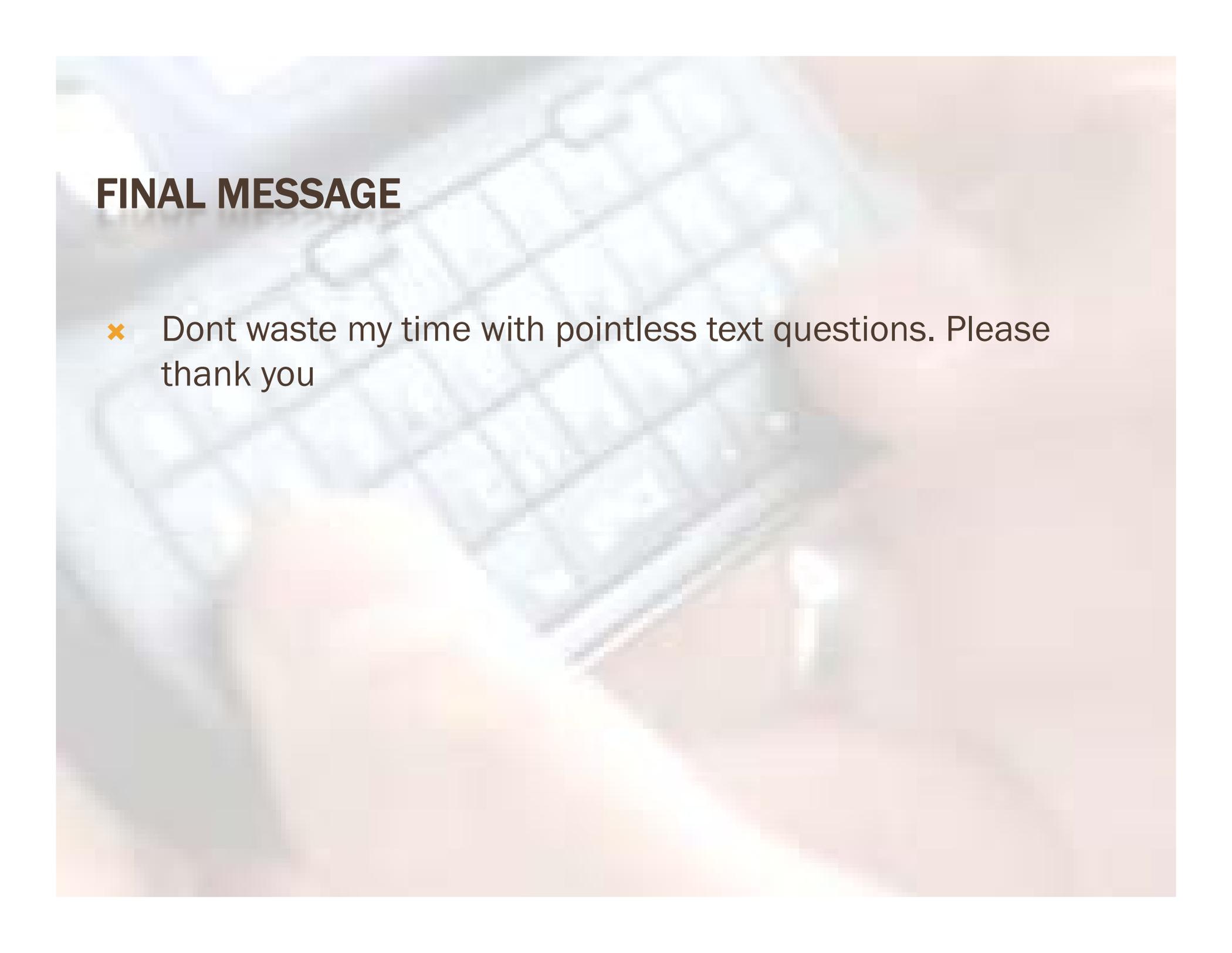
- ✘ I have an A in here...i'm an endangered species.
- ✘ Turns out my suitemate has an A too. That means our room makes up a third of the total A's. That makes our room a protected habitat reserve practically.
- ✘ Don't laugh. We could be killed off.
- ✘ Still laughing, tsk tsk. There are A poachers out there. I'm scared.

FUNNY MESSAGES

- ✗ I have a C in the class...since A's are in a "protected habitat"...since animals in excess are hunted, should people with a C or lower be scared to go in their room???
- ✗ The endangered species gives their regards to professor klaus this fine morning.
- ✗ So, what about those of us with a B? If Cs in excess r hunted and As r endangered, does that make us safe?
- ✗ ...

FUNNY MESSAGES

- ✘ Can you tell the girl that sits in the front row who was wearing a white shirt on monday that she is gorgeous?
- ✘ Look now the girls are trying to remember what color shirt they had.
- ✘ But really she is adorable. I'm too nervous to ask her on a date though. Klaus help me. You look like you were a player at one time
- ✘ Lets see how many girls wear white shirts during the next class.
- ✘ ...



FINAL MESSAGE

- ✘ Dont waste my time with pointless text questions. Please thank you