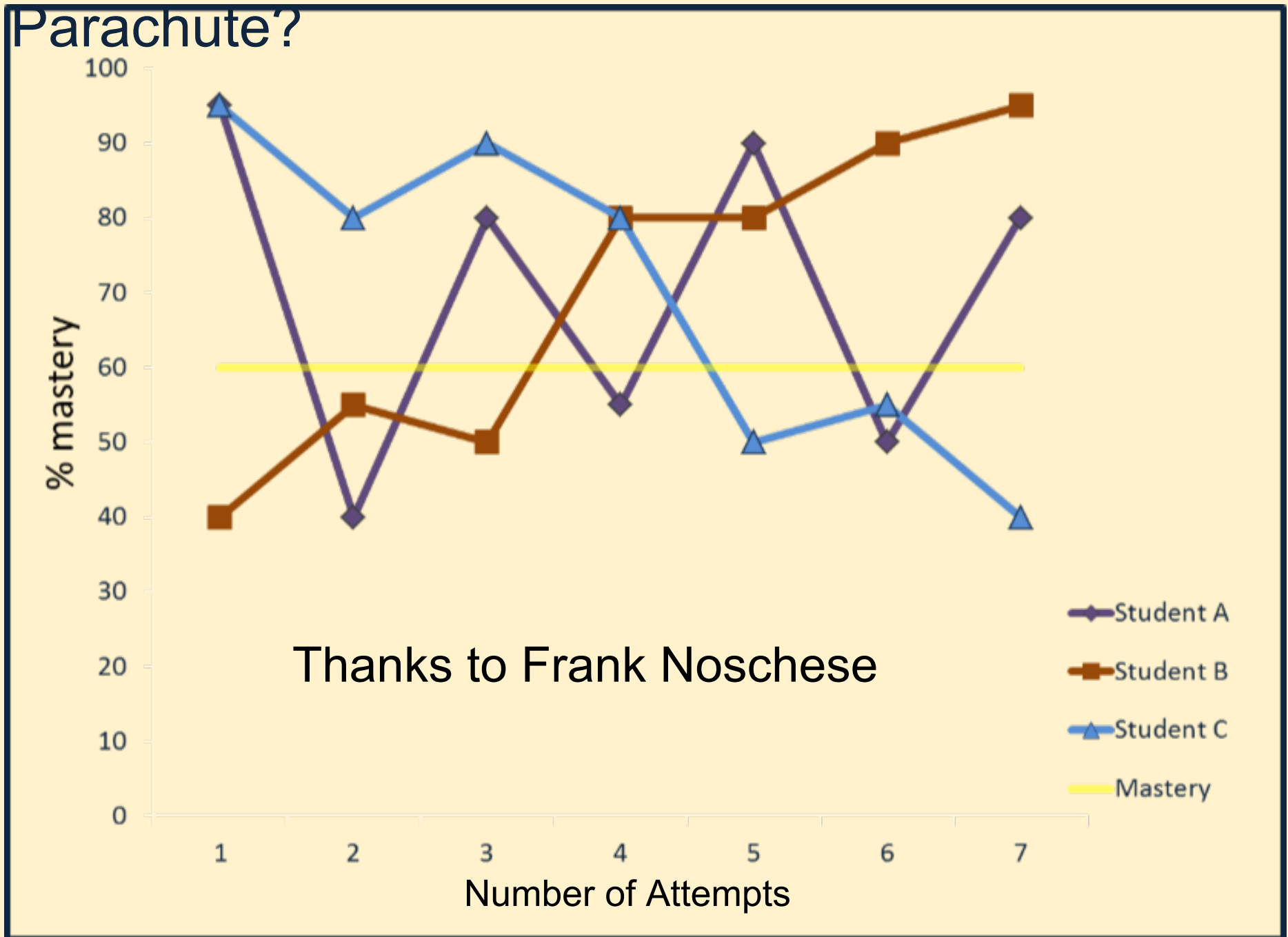


Standards-based grading with voice

Andy Rundquist
Hamline University

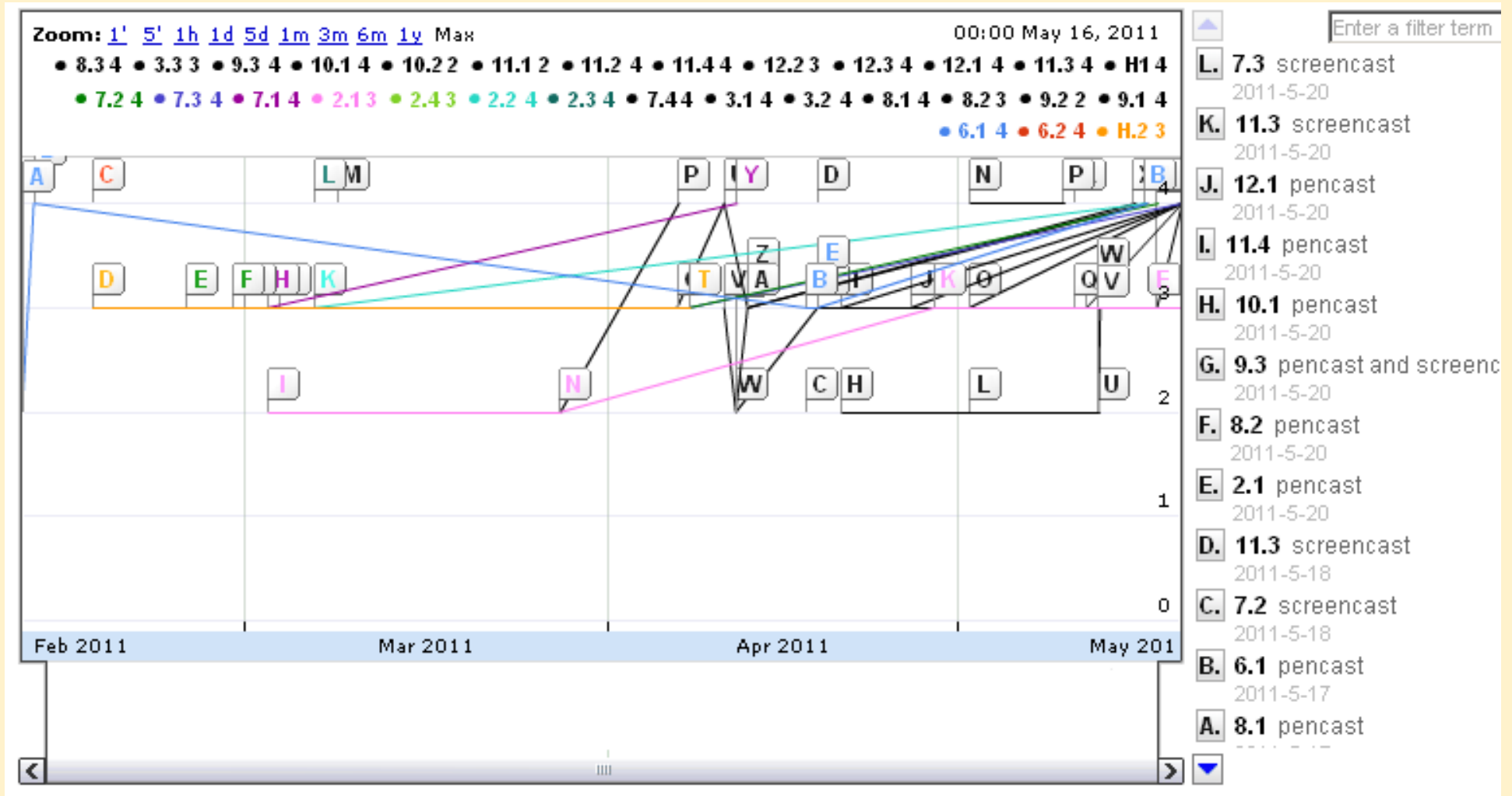
Which Student Would You Like to Pack Your Parachute?



SBG: What is it?

- What do you want your students to do/know/learn?
 - Learning outcomes
- Be up front about it
- Assess!
 - (repeat)

My Student's progress



My standards

Chapter 6

1. I can **derive** the Euler's equation
2. I can use **Mathematica** to find a path that minimizes something.

Chapter 7

1. I can **show** that the Lagrange method is equivalent to Newton's laws for a simple system.
2. I can use Mathematica to model an **interesting** system
3. I can use Mathematica to model a system with viscous friction
(also applies to **chapter 2**)
4. I can use Mathematica to model a system with a constraint force

[all my standards](#)

My scale

1: Doesn't meet
expectations

2: Approaches expectations

3: Meets expectations

4: Exceeds expectations

Add voice!

- Oral exams
- Screencasts, screencasts, screencasts
- Pencasts, pencasts

Collaborative scoring



Observations

- Low pressure
- Class time focus
- No extra credit
- Students help craft standards
- Students pick problems
- Connection to learning outcomes assessment

Pitfalls

- Students think they can pull it off
- VERY different
 - takes some time
- lots of grading
 - this is subtle, though

Thanks!