Gamification using Mastery Paths in Canvas
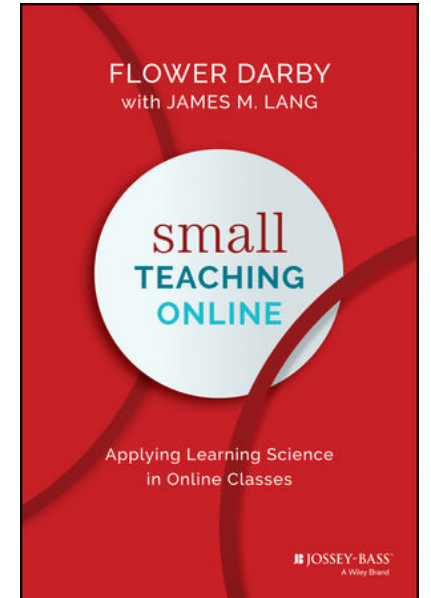
Patricia Hingston
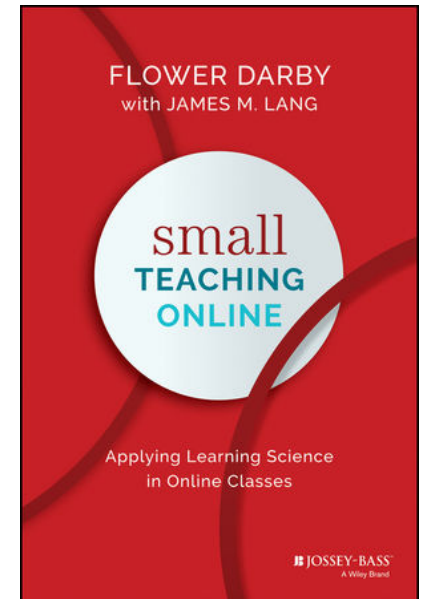Patricia.Hingston@ubc.ca

How did I hear about Mastery Paths

▷ Read "small teaching online"

  ○ Recommended having students obtain 100% (or another set value) on tasks before being able to progress to the next module

  ○ Allows students to move through a course at their own pace

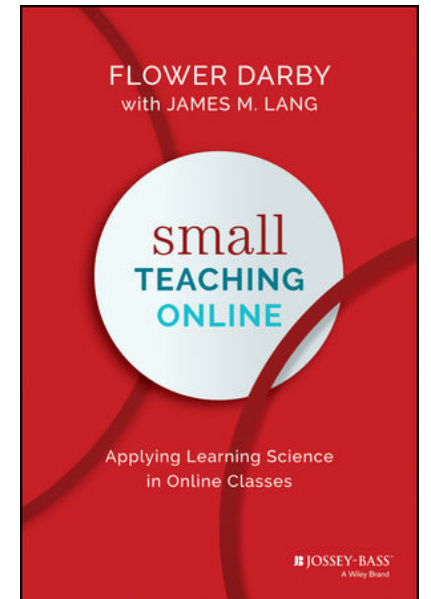   ■ HOWEVER, this works better for courses that do not have any synchronous components

Why I decided to use Mastery Paths

▷ Lab course has weekly quizzes worth 10% of grade

  ○ Marks are often high and therefore the quizzes are "easy marks"

▷ Students asked for lab reports to be worth more in the course to better reflect the time/effort they require

▷ I wanted students to understand everything in the quizzes, not just get a grade

  ○ Prevents common mistakes in reports and reduces unnecessary mark deductions (and time spent by TA's giving feedback!)
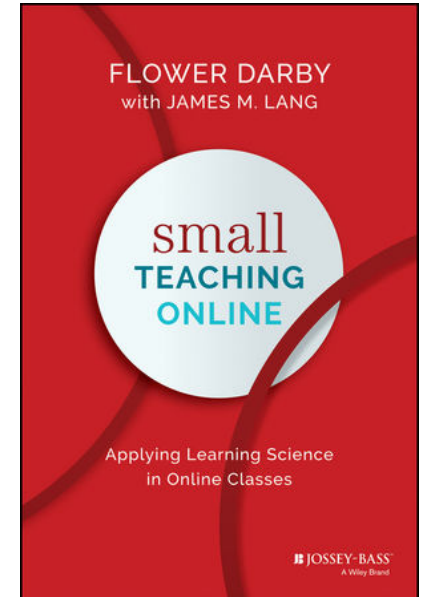
How I used Mastery Paths

▷ Students have weekly quizzes and assignments due

    ○ Quizzes directly related to assignments

▷ Students required to obtain 100% on quiz in order to submit their assignment

    ○ Same 10 questions

    ○ Unlimited time

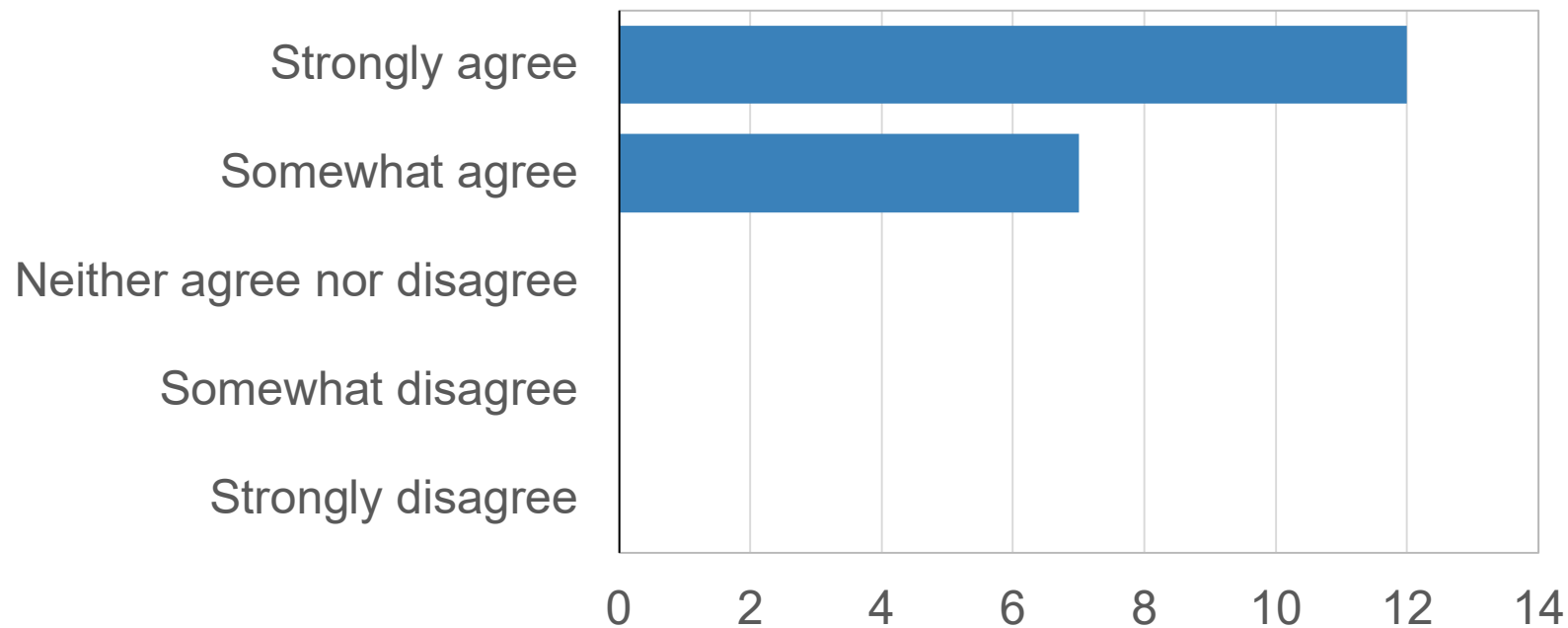   ○ Unlimited attempts

How the Students Did (example)

▷ Quiz 5

    ○ Average # attempts: **3.45**
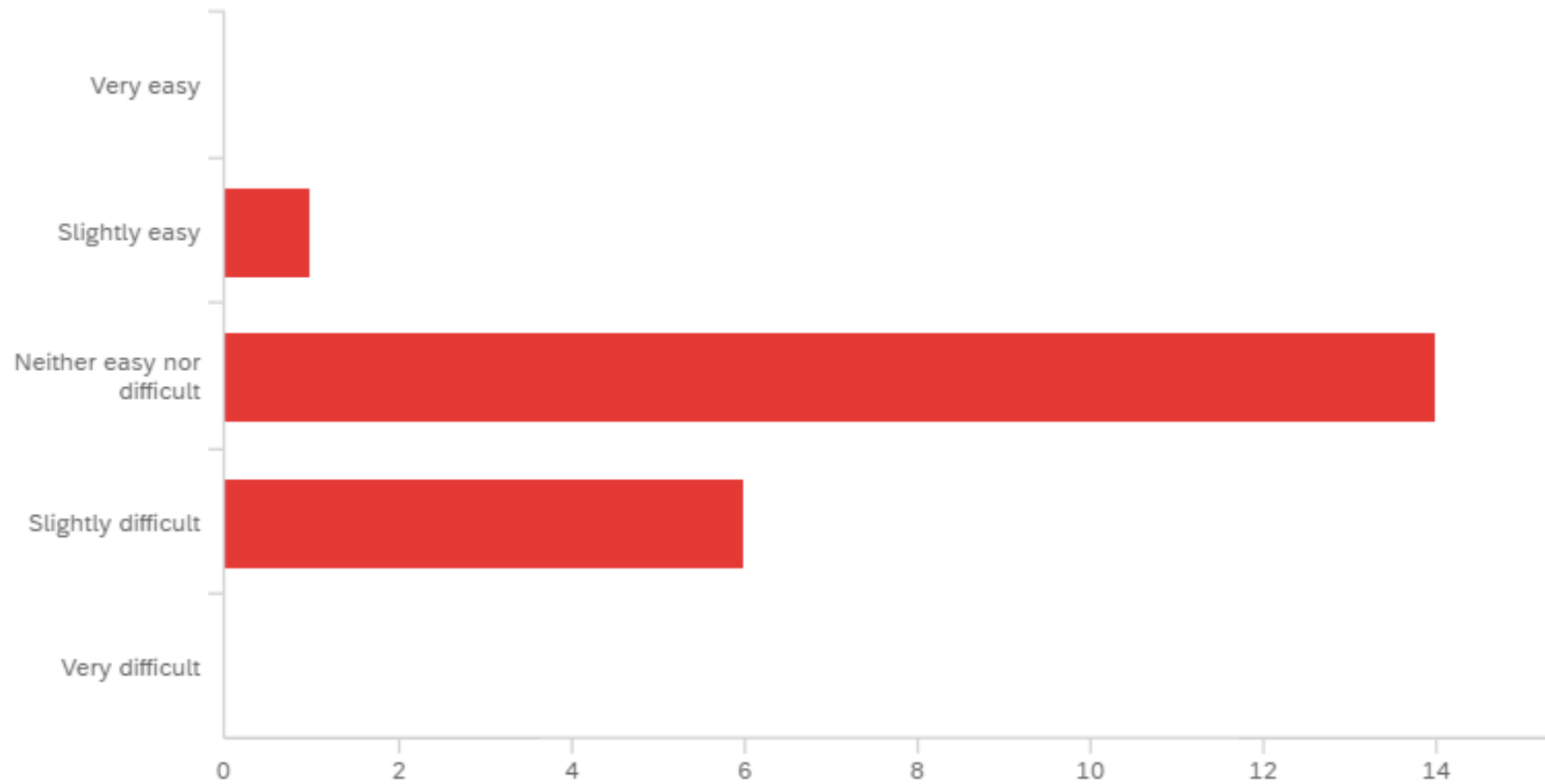
    ○ Range: **1 – 9**

What the Students Thought

▷ Please indicate to what degree you agree with the following statement:
The quizzes helped me better understand the concepts taught in class and successfully complete the assignments.

19/31 students responded to the survey

What the Students Thought

Q4 - How difficult do you find the quizzes?

What the Students Thought

▷ **What are some of things you like about the course?**

- ○ The quizzes and activities help me see where I'm currently at

- ○ The quizzes are great in preparation for the assignment. They are easy to "cheat" on, but since they don't count for grades and allow multiple attempts and guarantee 100% to submit assignment, it really forces you to at least skim over the entire notes before starting the assignment, so you know all the key principles and are less likely to lose "I-didn't-know-that" points.