Redesigning a course to include research led teaching (using software development methodologies)
Redesigning a course to include research led teaching (using software development methodologies) (so as to encourage an active learning environment)
Redesigning a course to include research led teaching (using software development methodologies) (so as to encourage an active learning environment) (using a flipped learning approach)
Redesigning a course to include research led teaching (using software development methodologies) (so as to encourage an active learning environment) (using a flipped learning approach) (... open teaching resources ...)
Redesigning a course to include research led teaching (using software development methodologies) (so as to encourage an active learning environment) (using a flipped learning approach) (... open teaching resources ...) (... sustainable software fellow ... )
Redesigning a course to include research led teaching (using software development methodologies) (so as to encourage an active learning environment) (using a flipped learning approach) (... open teaching resources ...) (... sustainable software fellow ...) (and some other stuff)
‘In the STEM classroom should we ask or should we tell?”

Active learning increases student performance in science, engineering, and mathematics Freeman et al. 2014 (PNAS)
FLIPPED LEARNING

A Guide for Higher Education Faculty

ROBERT TALBERT

Foreword by JON BERGMANN
Video
IN FLIPPED CLASSROOMS, LECTURES ARE ASSIGNED AS VIDEOS FOR HOMEWORK.

YOU DON'T NEED EITHER LECTURES OR VIDEO.
Playing Games: A Case Study in Active Learning Applied to Game Theory

Knight. 2015 (MSOR Connections)
Squad 1 2 3 4 9
Crew 1 2 3 3 4

Crew 5 5 0 11 12
Pens 0 5 5 6 7
Squad 3 3 3 3 4
Crew 3 3 3 8 9

Squad 3 6 9 12 12
Crew 3 6 9 14 15
Pens 3 6 9 9 10
Squad 1 2 3 8 8
Crew 1 2 3 3 8

3.3 0.5
5.0 1.1

Squad 9 13 28
Crew 4 16 24
Pens 12 21 31
Gauss 7 24 34
Jupyter
Research led teaching.
Assessment
Research software;
Contemporary research.
- https://github.com/Axelrod-Python/Axelrod
- https://github.com/drvinceknight/Nashpy
- https://github.com/drvinceknight/gt
- http://vknights.org/gt/
(Dr Stephen Rutherford. BIOSCI.)