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The mechanics of creating teams...

- major
- class standing
- GPA – in dept courses
- URM – for your course
- attention to details?
- ability to work with others?

Questions to ask yourself:

- heterogeneous vs homogeneous?
- need extra support for any demographics?

Starting off the semester well:

- (semi-)permanent teams
- team activity on day 1
- use “Teams” not “Groups”

What students think ...

Response	Number of respondents	Percentage
strongly agree	49 respondents	58 %
agree	29 respondents	35 %
neutral	5 respondents	6 %
disagree	1 respondent	1 %
strongly disagree	0 respondents	0 %

Anonymous survey, Math 2164, Fall 22

Student Comments:

- All math classes should be like this (Fall 22)
- I passed this course because of my team (Spr' 20)

How's your team working out (Spr' 23)?



Anonymous survey, Math 1102, Spring 23

For more details ...



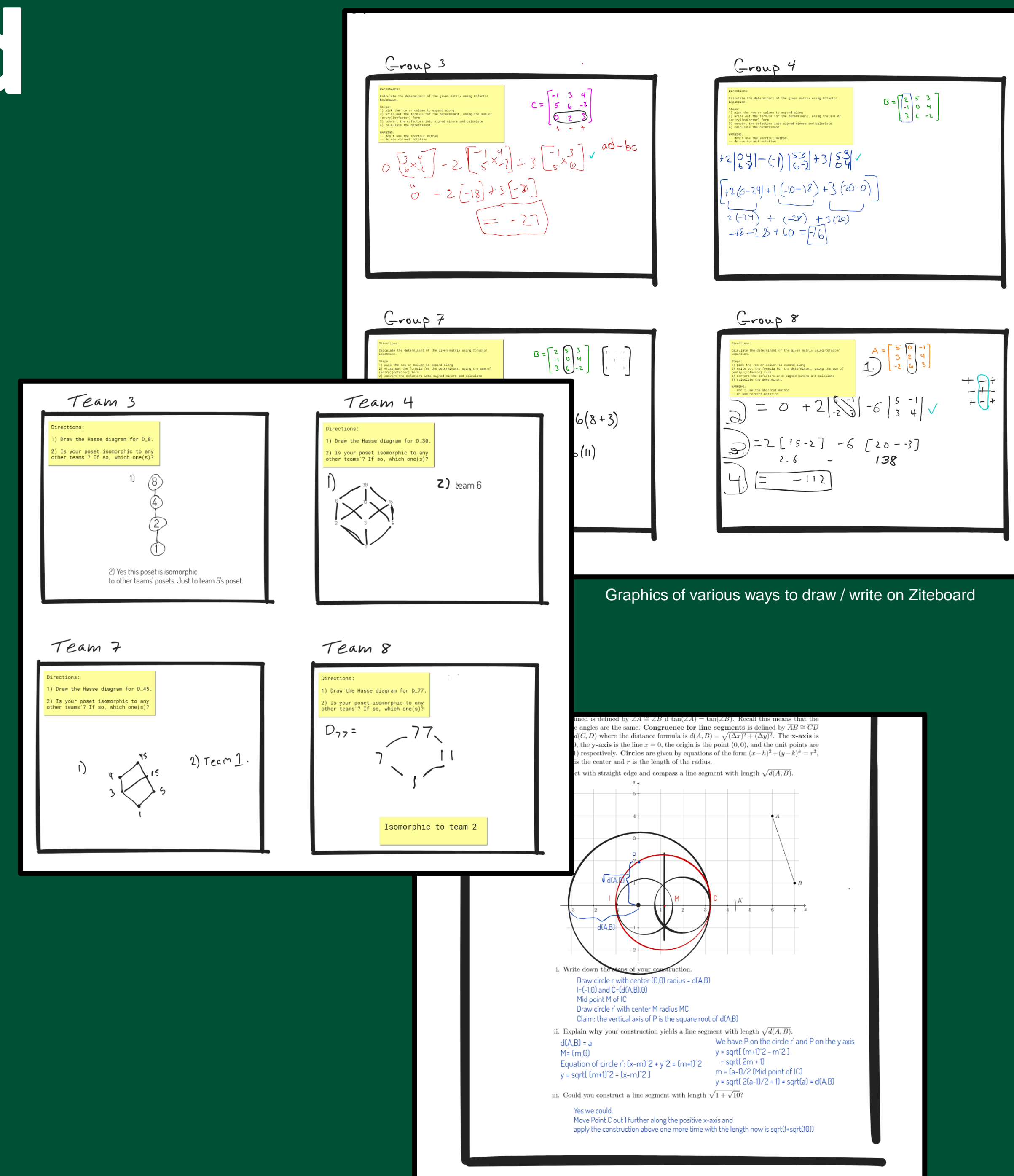
# Teams + Tech = Flexibility + Community

## In-class work: on Ziteboard

a shared online whiteboard

### Why use in F2F classes?

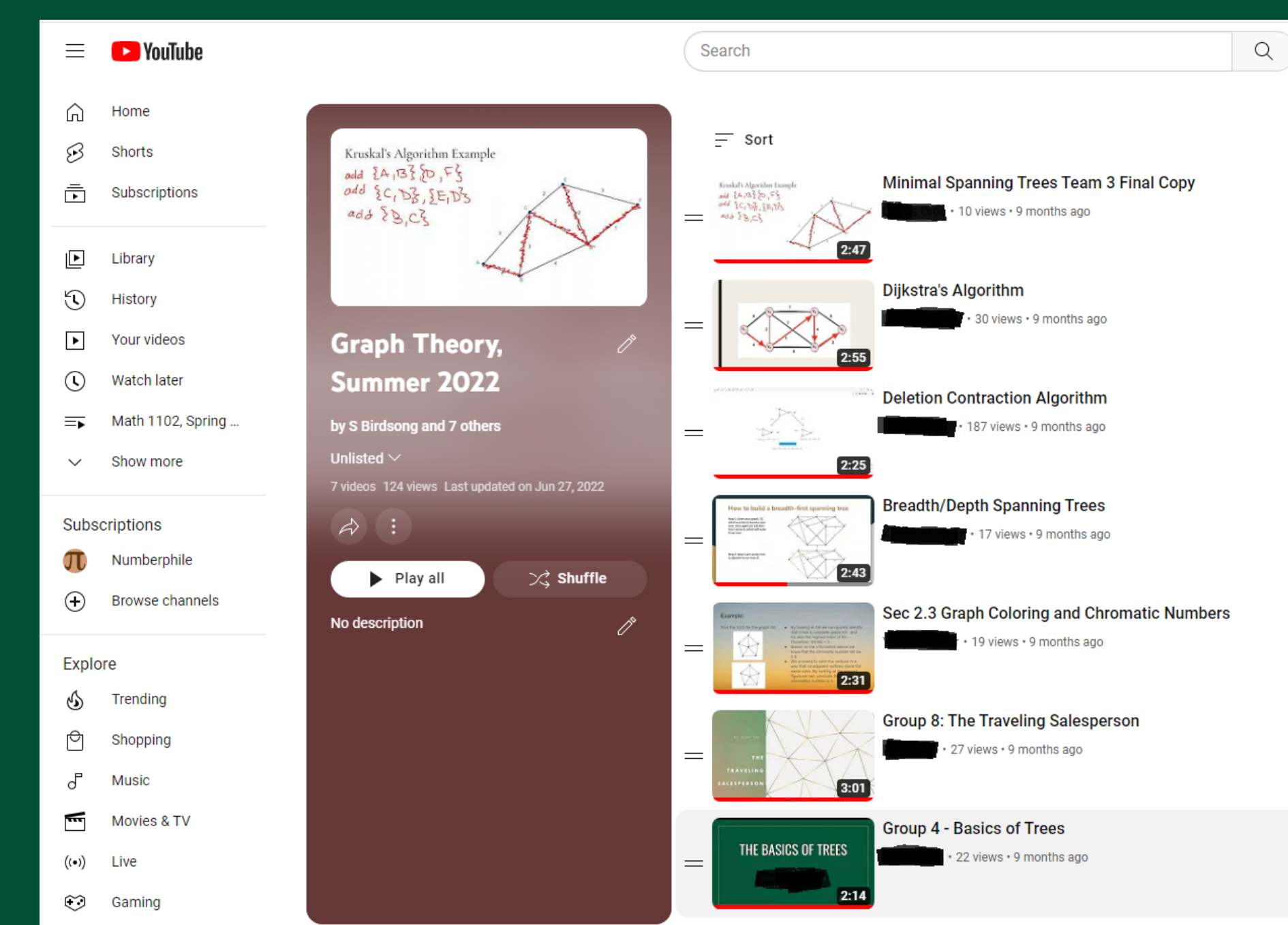
- live feedback
- target struggling teams
- bad room? can't reach team?
- handle large classes



Graphics of various ways to draw / write on Ziteboard

## Out-of-class project: on YouTube

- max time
- billed as: study aid for tests
- presentations “w/o anxiety”
- debrief



Graphic of a YouTube playlist

### Goals for using Teams...

- Working with others
- Job skills
- Communication skills
- Built-in support system
- Feedback before high stakes assignments

### More mechanics:

To build community & trust, you need teams to act as a support; NOT a way to pull down your grades. KEY is to balance how the assignments affect grades AND to push students to work together.

Results: are we seeing any changes in the classroom?

Class	Sem	Size	D	F	W	AVG	Final
1165	Sp 19	61	5	4	6	80	n/a
	Fa 19	60	1	3	2	88	85
2164	Fa 17	48	4	10	3	73	70
	Fa 22	98	3	8	3	84	78
1102	Sp 23	70	1	2	1	84	n/a

Comparison of course average grades & grade distributions before and after implementing in-class team activities. Note, 1102 had no "before", the important thing here is to note the class size & that there is no math prerequisite for this non-STEM major course.

### Tips for team assignments:

1. Low stakes
2. Have a variety of types
3. Be practice for future work
4. Grade students: as individuals / as a team
5. Mostly in-class work
6. It's about trust!
7. Convert lecture examples to in-class work
8. Out-of-class assignments need to be worth it

