

MICROSOFT TEAMS FOR THE ONLINE CLASSROOM: A CASE STUDY

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MOVING ONLINE.....A LOT OF CONCERNS!

FULL ONLINE COURSE

- Chemistry course in May
- How to show detailed calculations
- How to encourage student participation

HYBRID COURSE

- Earth Science course in the fall, typically a flipped course
- How to meet needs in-person and online
- How to have students work in small groups

WHAT CAN TEAMS DO IN THE CLASSROOM?

- Meet with ease – no need to send links
- Meeting recordings saved in an easily accessible location
- Share multiple views
- Chats are saved
- Ability of students to complete group work in an organized setting
- Streamlined access to all Microsoft apps (OneDrive, SharePoint, Outlook)

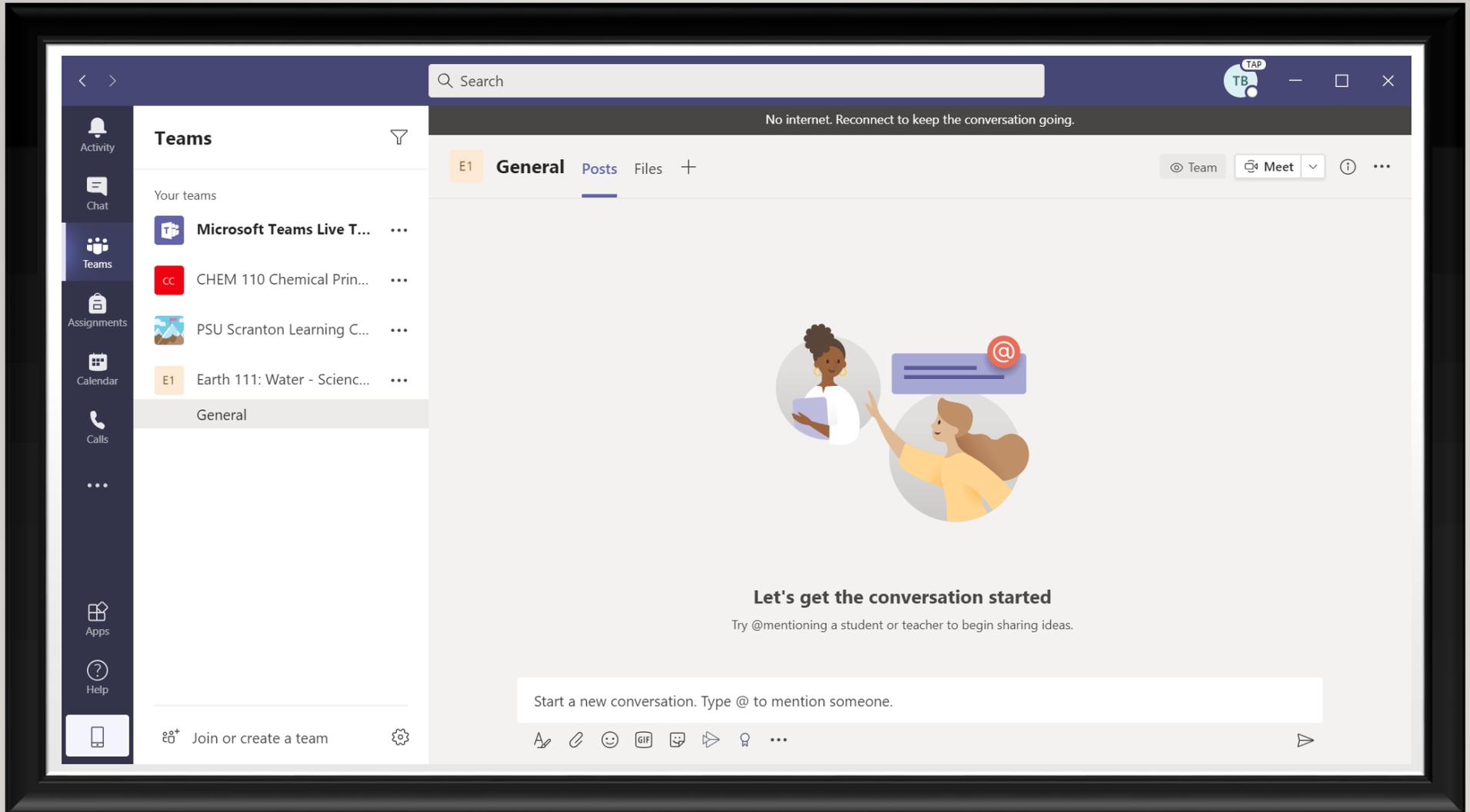
TYPE OF TEAMS

- What Team type should I choose?

Select a team type

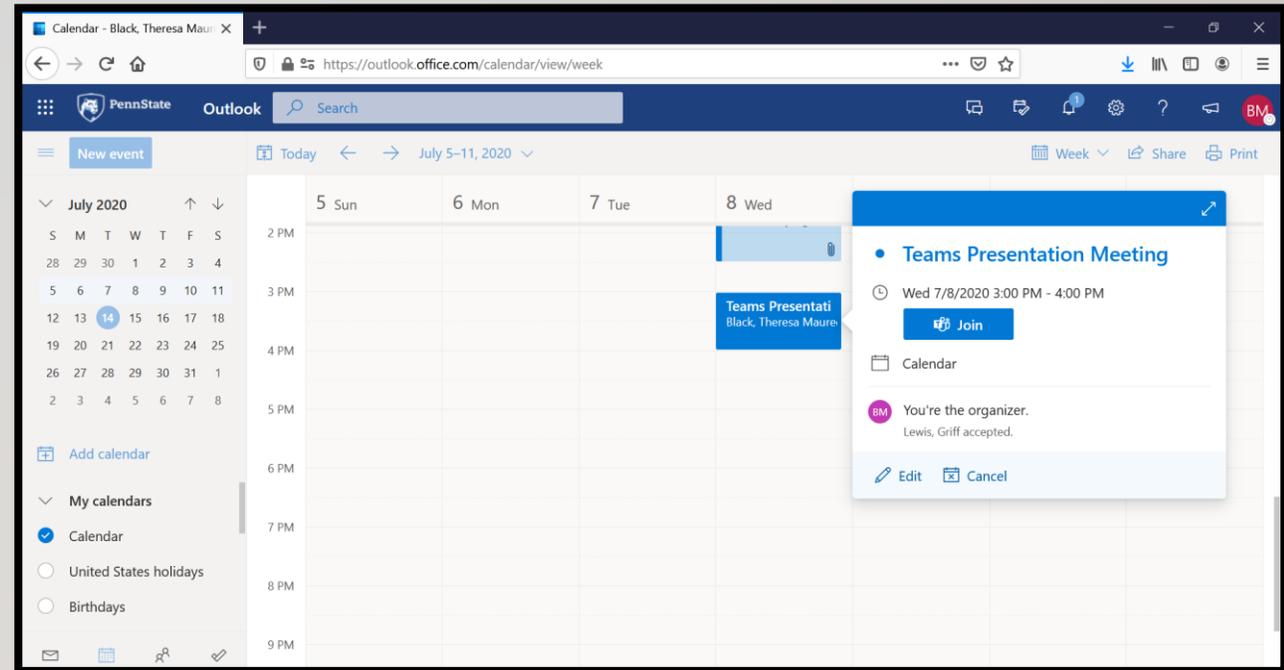
 Class Discussions, group projects, assignments	 Professional Learning Community (PLC) Educator working group	 Staff School administration and development	 Other Clubs, study groups, after school activities
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Cancel



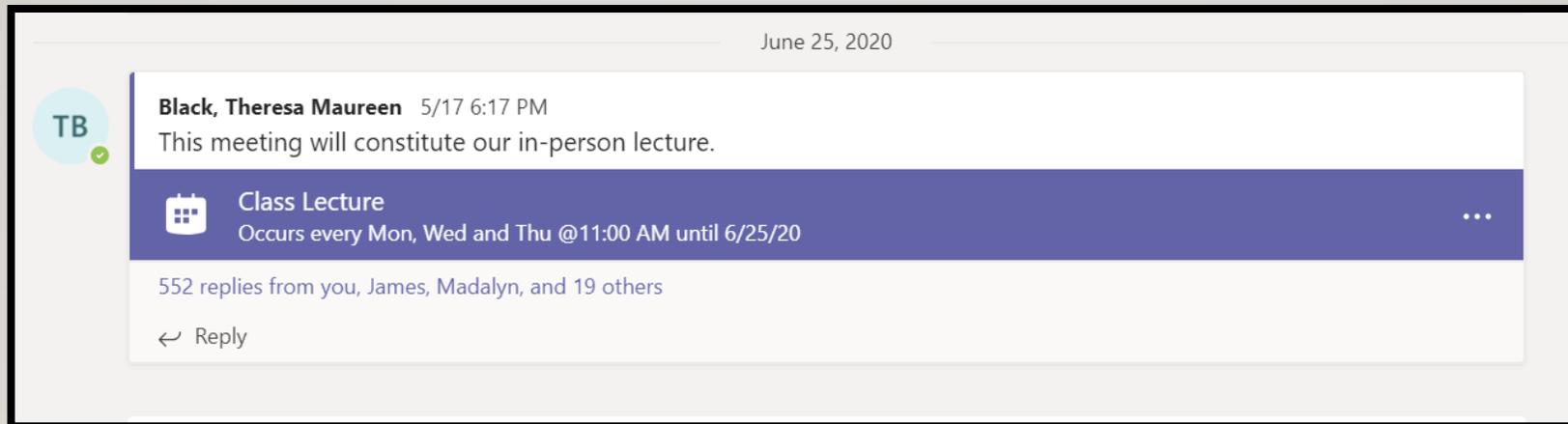
WHERE DO I FIND MY CLASS?

- Set up Class as a recurring meeting
- Automatically on Outlook Calendar



CLASS MEETINGS

- Students can access meeting via Teams at any time. No need to send out link
- No bombing! Only those added to Team can access

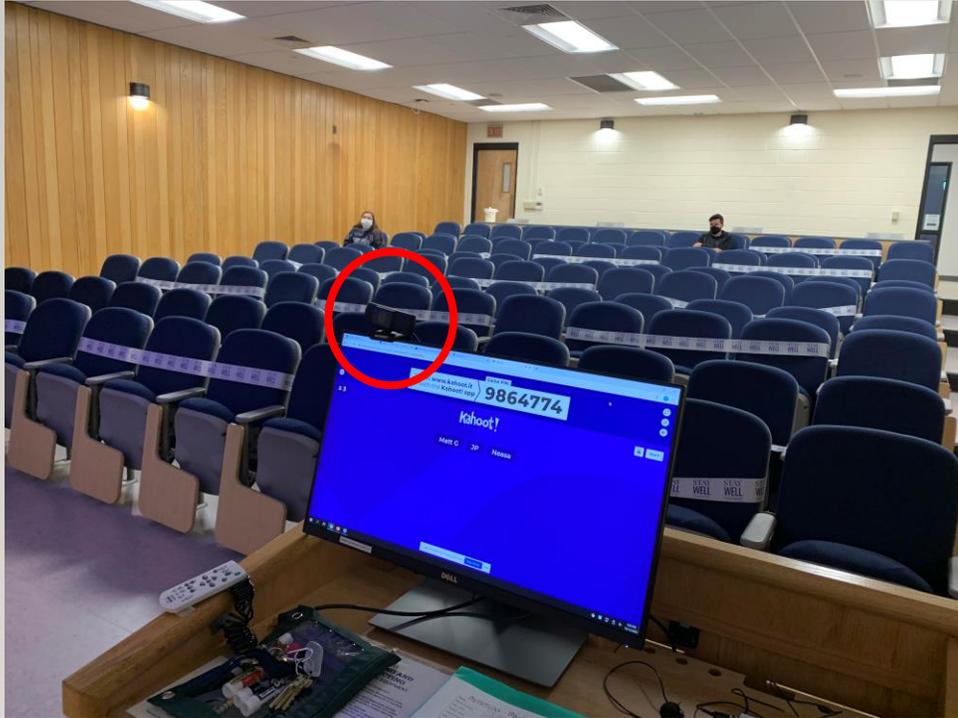


CLASS MEETINGS

- Two camera view – screen share & white board.
 - “Pin my video”
- Or sign on from two devices
- A Custom Layouts feature is coming later this year.



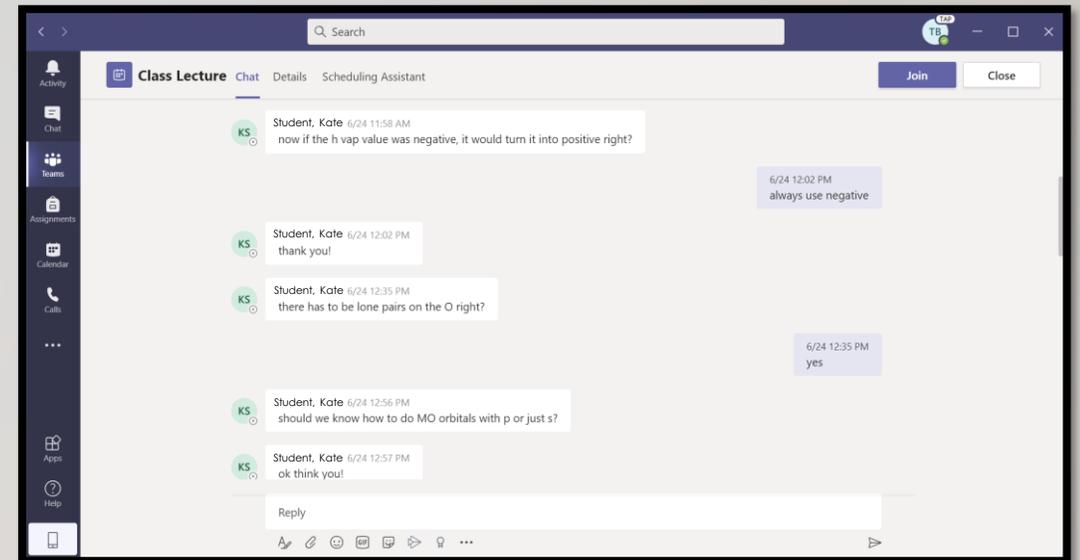
CLASS MEETINGS



- Used to record hybrid classes
- Screenshare
- Webcam
- Whiteboard app

STUDENT INTERACTION

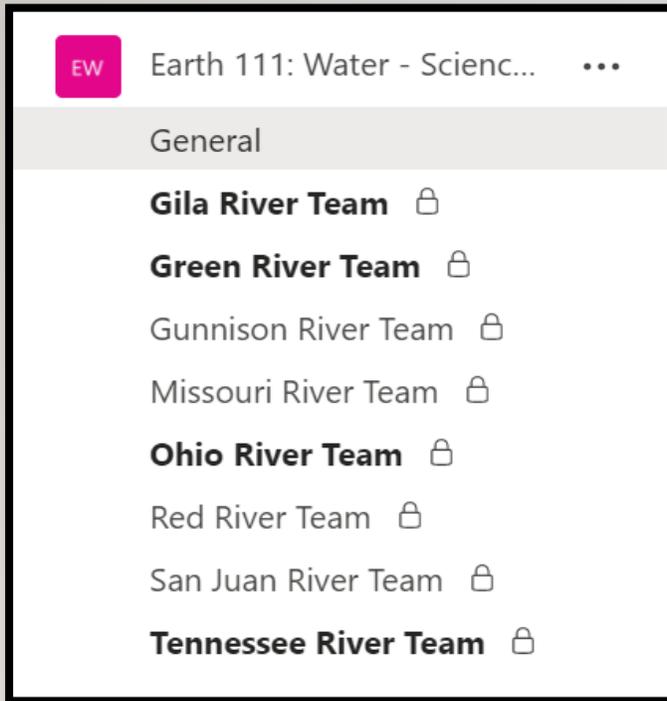
- Chat
 - Nonintrusive, easy to see during lecture
 - Can view chats any time – they are saved within your Team
 - Chat will save as one continuous chat if your class is a recurring meeting, but date and time is included with each entry.



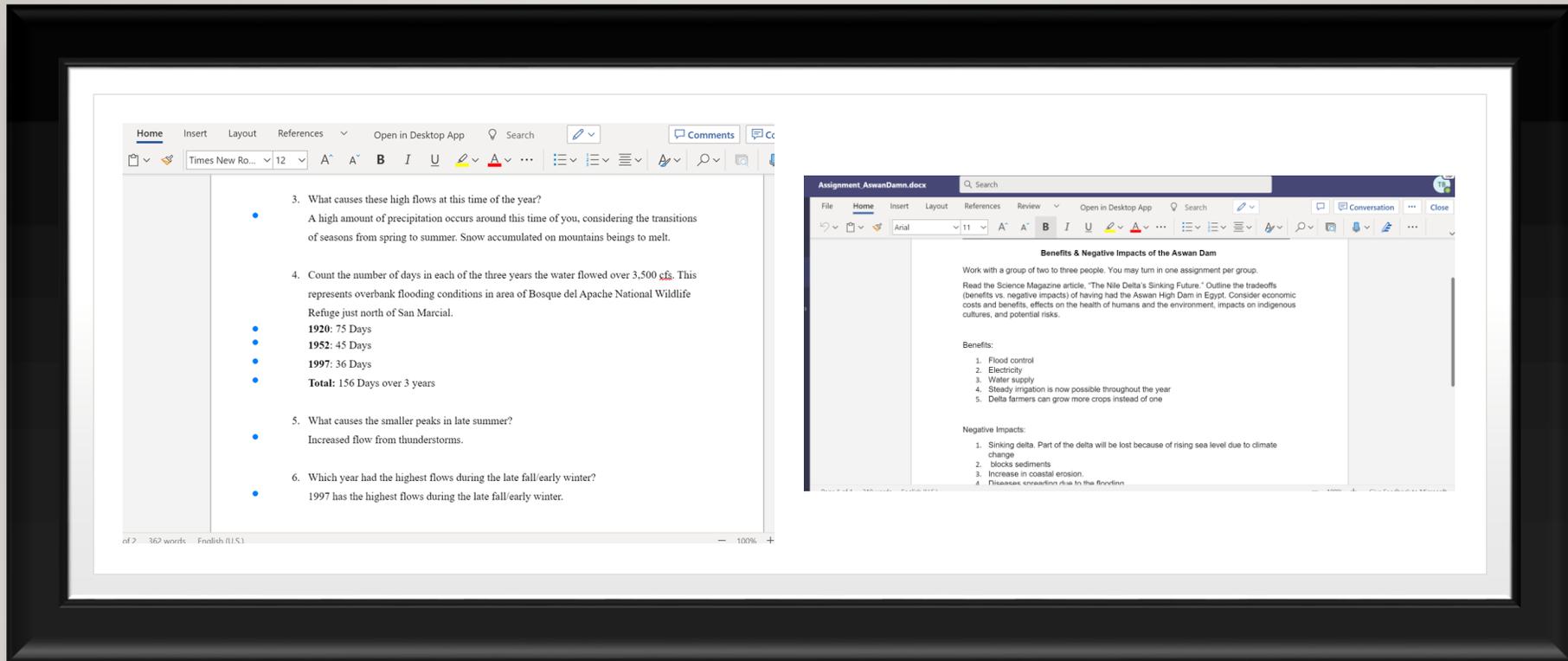
STUDENT INTERACTION

- For sample problems, students would unmute and answer verbally.
- Can run office hours on Teams
- Can create a one-on-one meeting outside of the Class Team.
- During exams, started meeting and took questions as students popped in.

GROUP WORK



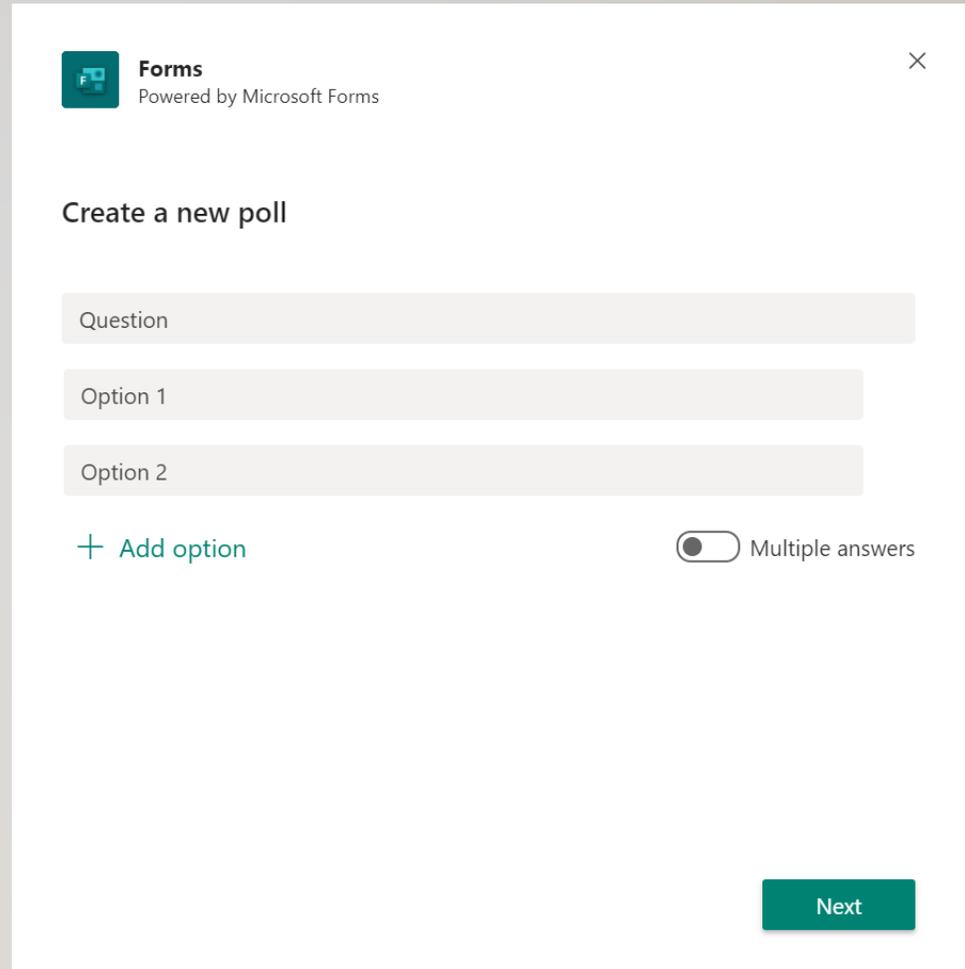
- Create a channel for each group
- Creating a channel creates a shared folder that all members can access.
- Students can set up a meeting any time in their channel
- Any student on the team can begin the meeting – no need for a “host”.
- Easy connection to Microsoft SharePoint & One Drive.



COLLABORATION ON GROUP PROJECTS

POLLING YOUR STUDENTS

- Using **Forms** app, can enter a poll question into your channel or chat.
- A poll question can be added during a meeting as well.



The screenshot shows the Microsoft Forms interface for creating a new poll. At the top left, there is a teal icon with a white 'F' and the text 'Forms Powered by Microsoft Forms'. A close button (X) is in the top right corner. Below the header, the text 'Create a new poll' is displayed. There are three input fields: 'Question', 'Option 1', and 'Option 2'. Below the 'Option 2' field, there is a teal link '+ Add option' and a toggle switch labeled 'Multiple answers' which is currently turned off. A teal 'Next' button is located at the bottom right of the form.

POLLING YOUR STUDENTS

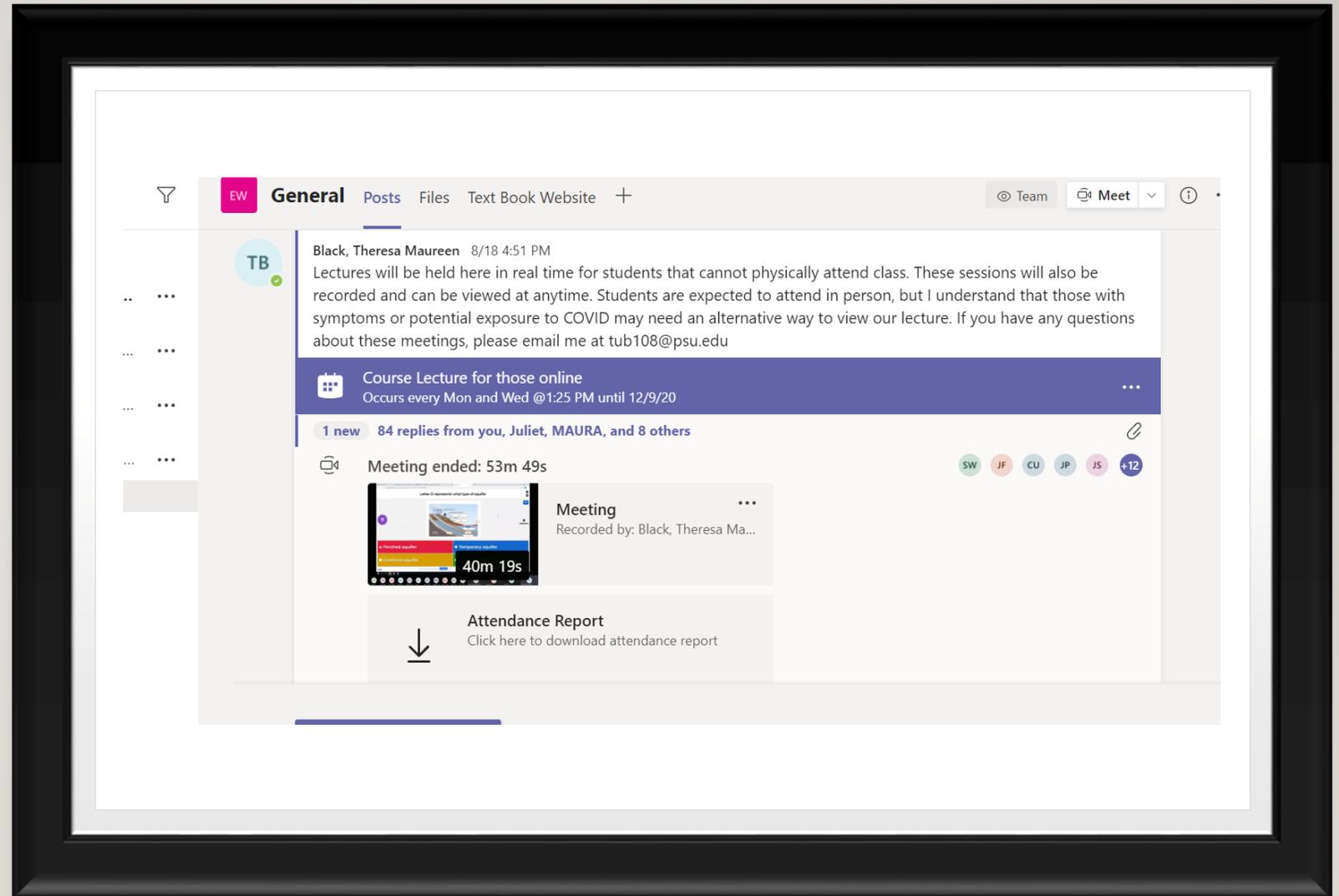
The screenshot shows a Microsoft Teams chat window with a header bar containing 'General', 'Posts', 'Files', 'Text Book Website', and a plus sign. On the right, there are icons for 'Team', 'Meet', and a help icon. Below the header, a message from 'Forms' at 8/7 9:30 AM is displayed. The message text reads: 'Black, Theresa Maureen created a poll. Results are visible to everyone; Names recorded.' Below this is a poll titled 'Why are you taking Earth 111?' with five radio button options: 'It is required for my major program', 'For a general education science credit', 'Because I heard it is an amazing course', 'I just love water', and 'Other (I have my reasons and they are my own)'. A 'Submit Vote' button is located at the bottom of the poll form. At the bottom of the chat window, there is a 'New conversation' button.

The screenshot shows the poll results in a Microsoft Teams chat window. The poll is titled 'Forms' and was sent at 8/7 9:30 AM. The results are displayed as a list of options with horizontal progress bars, percentages, and counts in parentheses. The data is as follows:

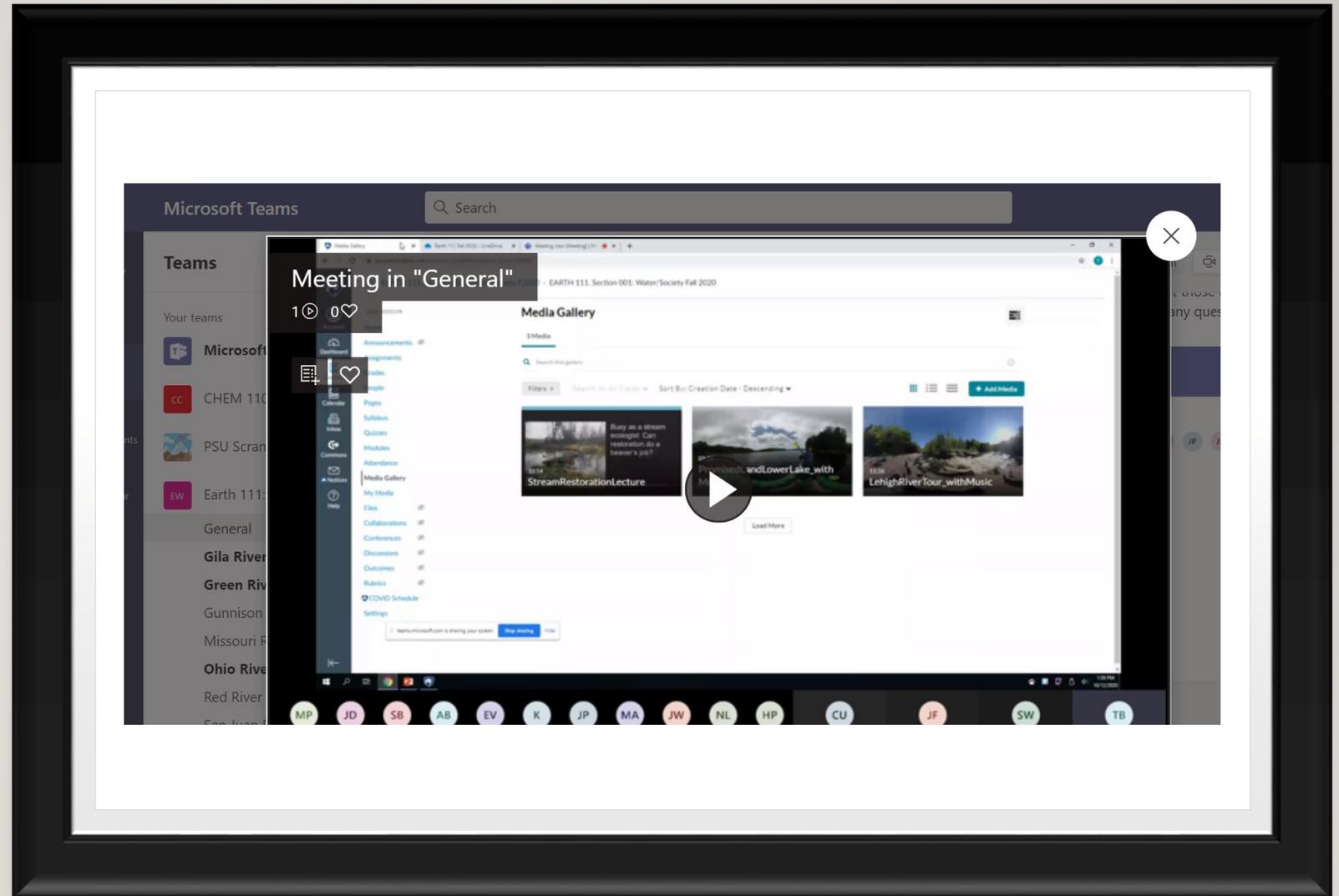
Option	Percentage	Count
It is required for my major program	7%	(2)
For a general education science credit	81%	(22)
Because I heard it is an amazing course	3%	(1)
I just love water	7%	(2)
Other (I have my reasons and they are my own)	0%	(0)

Below the results, it says '25 responses'. At the bottom of the chat window, there is a 'Reply' button and a 'New conversation' button.

CLASS RECORDINGS

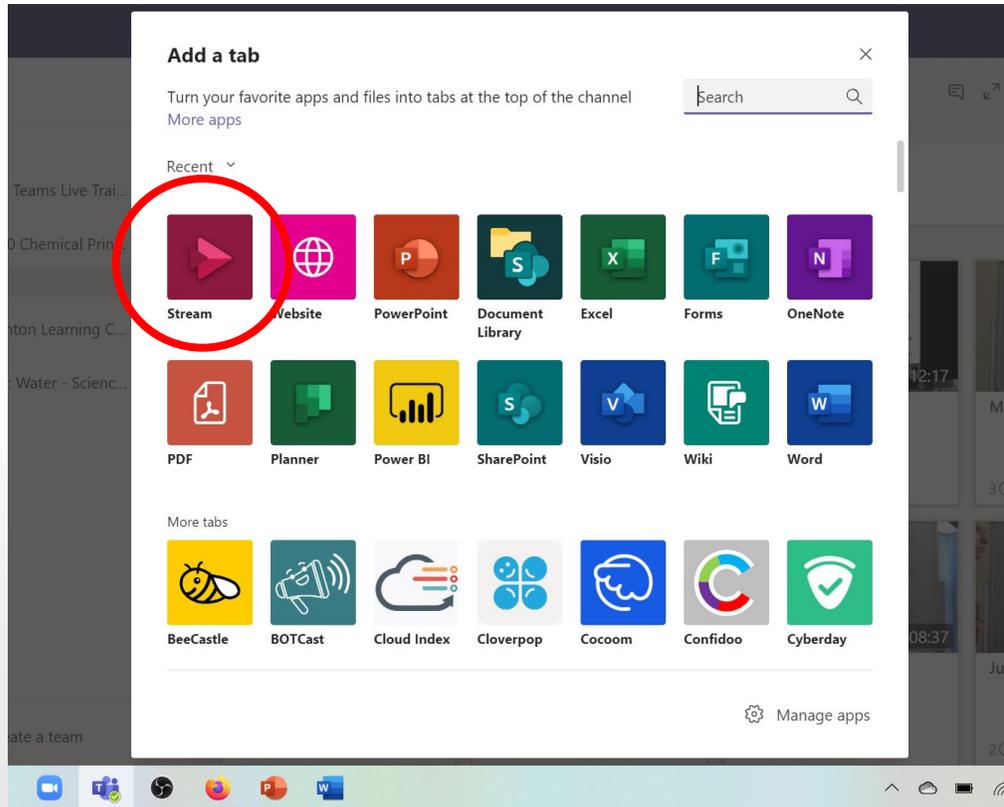


CLASS RECORDINGS



CLASS RECORDINGS

- Don't need to share a link; recordings are automatically processed and are saved in Stream
- For ease, can create a Tab in your Team for recordings



CLASS RECORDINGS

The screenshot displays a Microsoft Teams interface for a channel named "General". The left sidebar shows navigation options: Activity, Chat, Teams, Assignments, Calendar, Calls, and Apps. The main content area is titled "Class Recordings" and shows a list of 31 videos. The visible videos include:

- June 24th Lecture (01:53:08)
- June 24th Whiteboard (01:53:12)
- June 18th Lecture (02:12:17)
- May 20th Whiteboard (02:14:52)
- June 3rd Lecture (02:05:46)
- June 4th Whiteboard (02:01:42)
- June 1st Whiteboard (02:08:37)
- June 11th Whiteboard (02:11:23)

The Windows taskbar at the bottom shows the time as 5:56 PM on 7/12/2020.

DIFFICULTIES



Must manually add email addresses of students



~~Taking attendance~~



~~Number of students visible in panel is limited to 9~~

UPCOMING FEATURES

What's New in Microsoft Teams for Education | September 2020

<https://techcommunity.microsoft.com/t5/education-blog/what-s-new-in-microsoft-teams-for-education-september-2020/ba-p/1727261>

What's New In Microsoft Teams | September 2020

<https://techcommunity.microsoft.com/t5/microsoft-teams-blog/what-s-new-in-microsoft-teams-september-2020/ba-p/1726562>

New capabilities for Teams Management | Ignite 2020

<https://techcommunity.microsoft.com/t5/microsoft-teams-blog/new-capabilities-for-teams-management-ignite-2020/ba-p/1695234>



STAY UP-TO-DATE

Microsoft 365 Roadmap

<http://aka.ms/M365Roadmap> (select “Microsoft Teams” from Products)

UserVoice

<https://microsoftteams.uservoice.com/>

Teams Blog

<http://aka.ms/TeamsBlog>

ACKNOWLEDGEMENTS

- My Summer 2020 Chem 110 class for their active participation (and being my guinea pigs)
- My Fall 2020 Earth 111 class, working hard in tough times
- Penn State University
 - Griff Lewis, Our campus Instructional Designer

QUESTIONS?

