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Background

classroom.

This workshop is intended to teach useful ways of helping mathematics educators use

classroom to engage students. The majority of student's time is spent outside of the classroom. During this time students are

engaged with their peers through different

forms of technology which includes various social media platforms. Educators need to tap

into this interest and incorporate it in the

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social media and technology within the

#### Technology will be deeply embedded into this generation's activities. They will be dependent on technology as it has always been there and will feel lost if they cannot access technology. Being contactable 24/7/365 is very important to them, even when on holiday; they would not consider a destination without wi-fi and mobile phone access. (Yeoman, 2008, p. 235)

# Goals for this Session

- Define social media
- Learn how to incorporate social media into a mathematics lesson
- Engage in real-time social media activities

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### What is Social Media?

Social media are technologies that facilitate social interaction, make possible collaboration, and enable deliberation across stakeholders. These technologies include blogs, wikis, media (audio, photo, video, text) sharing tools, networking platforms (including Facebook), and virtual worlds.

(Bryer & Zavattaro, 2011, p. 327)

Pros vs. Cons	
Pros	Cons
Promotes collaboration	Technology availability
Limitless boundaries	Privacy concerns
Current students have grown up with Internet, SNS, reality TV, iPods, smartphones, etc	All students are not comfortable using technology
Students can become more familiar with new and emerging technologies	Educators may miss out on the nonverbal aspect of communication
Potential to create "buy-in" and rapport with students	Some students may wish to keep their social media pages separate from academics





















How to post a tweet?

- I. Go to www.twitter.com
- 2. Sign up for an account
- 3. Type your Tweet into the box on the left side of your screen, or click the compose new Tweet button in the top navigation bar
- 4. Make sure your update is fewer than 140 characters
- 5. Click the Tweet button to post the Tweet to your profile

#### Example

#### Common Core Standard

MACC.5.NF.1.1 Add and subtract fractions with unlike denominators (including mixed numbers) by replacing giving fractions with equivalent fractions in such a way as to product an equivalent sum or difference of fractions with like denominators.

#### Lesson Objective

Use equivalent fractions to add and subtract fractions.

#### Essential Question

How can you use a common denominator to add and subtract fractions with unlike denominators?

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#### What is Instagram?

Instagram is a fun and quirky way to share your life with friends through a series of pictures. Snap a photo with your mobile phone, then choose a filter to transform the image into a memory to keep around forever.

# How to post a photo?

- 1. Download the Instragram app from the Apple store or Google play
- 2. Sign up for an account (via app)
- 3. Tap the camera tab at the bottom of the app
- 4. Select a filter, click next
- 5. Click SHARE

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#### How to Skype?

- I. Go to <u>www.skype.com</u>
- 2. Sign up for an account
- 3. Download the appropriate software
- 4. Sign-in to the software application
- Add a Skype contact you can search for the friend you want to add as a contact by their full name
- 6. Once the contact accepts the invite
- 7. Click Video Call to contact

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#### What is YouTube?

YouTube allows billions of people to discover, watch and share originally-created videos. YouTube provides a forum for people to connect, inform, and inspire others across the globe and acts as a distribution platform for original content creators and advertisers large and small.

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# How to upload a video?

- I. Go to www.youtube.com
- 2. Sign up for an account
- 3. Click the upload button at the top of the page
- 4. Select the video you'd like to upload from your computer
- 5. Make any changes you want to the video settings and information
- 6. Click Publish

# Example Common Core Standard MACC.2.NBT:2.6 Add up to four two-digit numbers using strategies based on place value and properties of operations. Lesson Objective Apply place-value concepts when using a break-apart strategy for 2-digit addition. Essential Question How do you break apart addends to add tens and then add ones? Childle & Stem- White @2011







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#### How to Create a Facebook Fan Page?

- I. Go to <u>www.facebook.com</u>
- 2. Sign up for an account
- 3. Select pages in the left-hand column
- 4. Click "Create a page"
- 5. Select a category
- 6. Follow the on-screen instructions to complete the set-up process
- 7. Invite your students to join your page















