



# HOW-TO MATH VIDEOS

SMALL GROUP MATH

# My Teaching Scope



- Williamsburg PS → Grade 7 + Rotary Art
- Williamsburg PS → Grade 3
- Norman G. Powers PS → Grade 5
- Pringle Creek PS → Grade 8 Gifted



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[MrStav.ca/Connect](http://MrStav.ca/Connect)

# HOW TO VIDEOS

Create a 1 minute video that clearly explains an important math concept.

# Grade 5 Exemplar

Explain  
how to convert  
between **MIXED**  
FRACTIONS &  
**IMPROPER**  
FRACTIONS

Explain  
how to identify  
**PRISMS** &  
**PYRAMIDS**  
by their  
features

# Grade 8 Exemplar

Explain  
how to make  
and read a  
**HISTOGRAM**

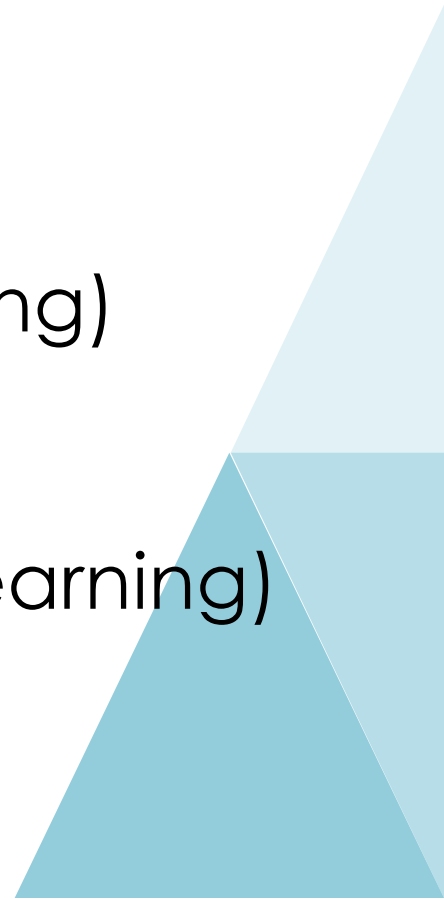
# Grade 8 *GIFTED* Exemplar

Explain  
how to  
complete  
**CUBIC  
CONVERSIONS**

Explain  
how to  
construct a  
**CIRCLE** given  
**3 POINTS**

# WHEN DO I USE IT?

1. Lesson
2. Exit Ticket (Assessment [AS](#) Learning)
3. Conference
4. How-To Video (Consolidate Learning)





# HOW LONG?

- 1 Double period (60 minutes)
  - Plan, rehearse, video, submit
- 1 Single Period to review



# WHY I LIKE IT

- SOOOOO REPETITIVE!
- Collaboration
- Inclusive of all levels
- Students LOVE it
- Students forget they're doing math
- Guaranteed Accountable Talk
- Access from home
- Parent Engagement



# What makes a good How-To Video

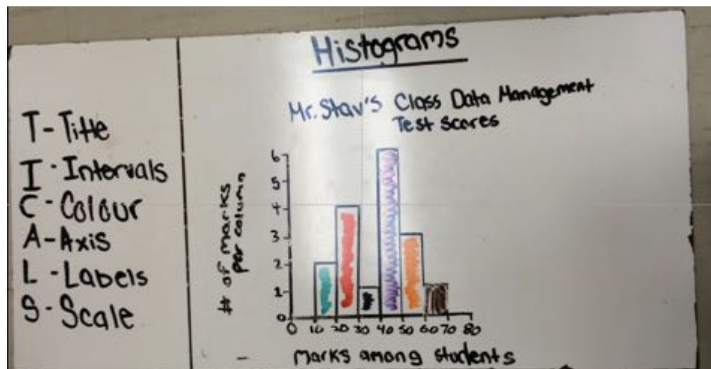
Co-constructed  
Success Criteria

- Neat
- Proper / Correct information
- Clear speech / annunciated
- Minimal Background Noise
- Interesting
- Uses examples
- Concise
- No Faces of students

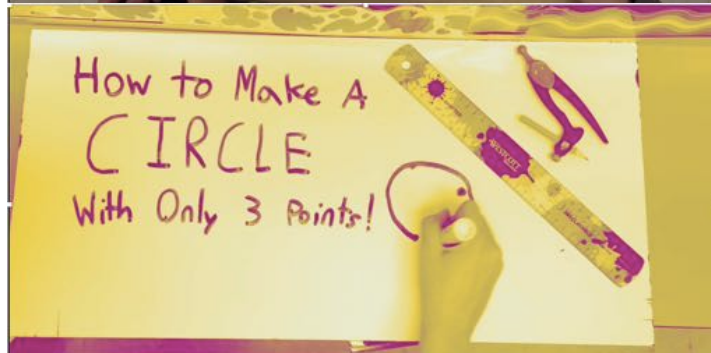
# ASSESSMENT POSSIBILITIES

- **Math**
- Language: **Oral Communication**
- Learning Skills: **Collaboration**
- **Media** Literacy



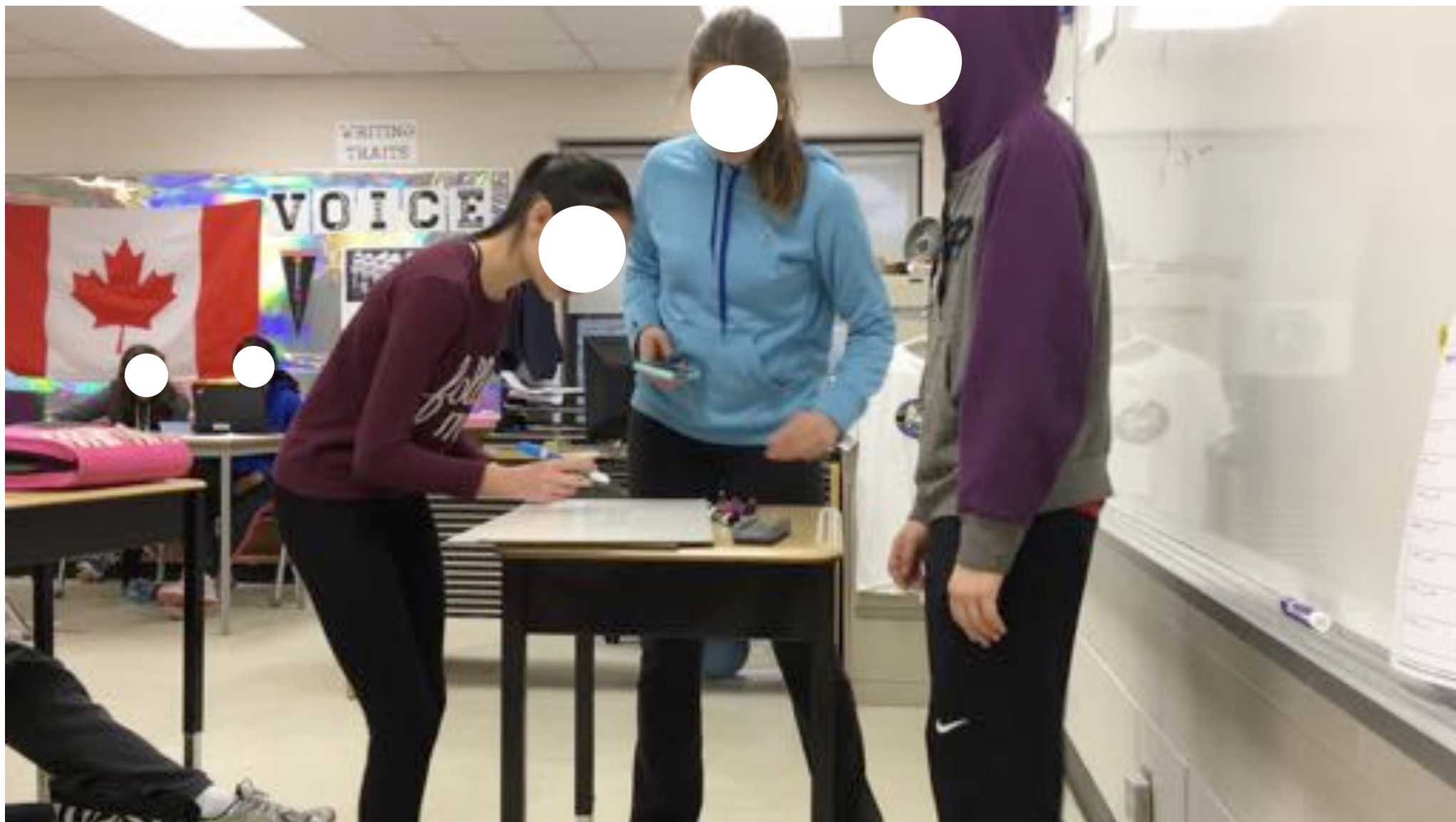


Conversions



WHAT DOES IT  
LOOK LIKE?  
(BEHIND THE SCENES)





# CREATING GROUPS

- **'Balanced'** Groups
  - Using feedback from exit tickets and conferences
    - Thorough Understanding
    - Limited Understanding
    - In between-ers

## Special Considerations

- (INTERMEDIATE) Someone with a device\*

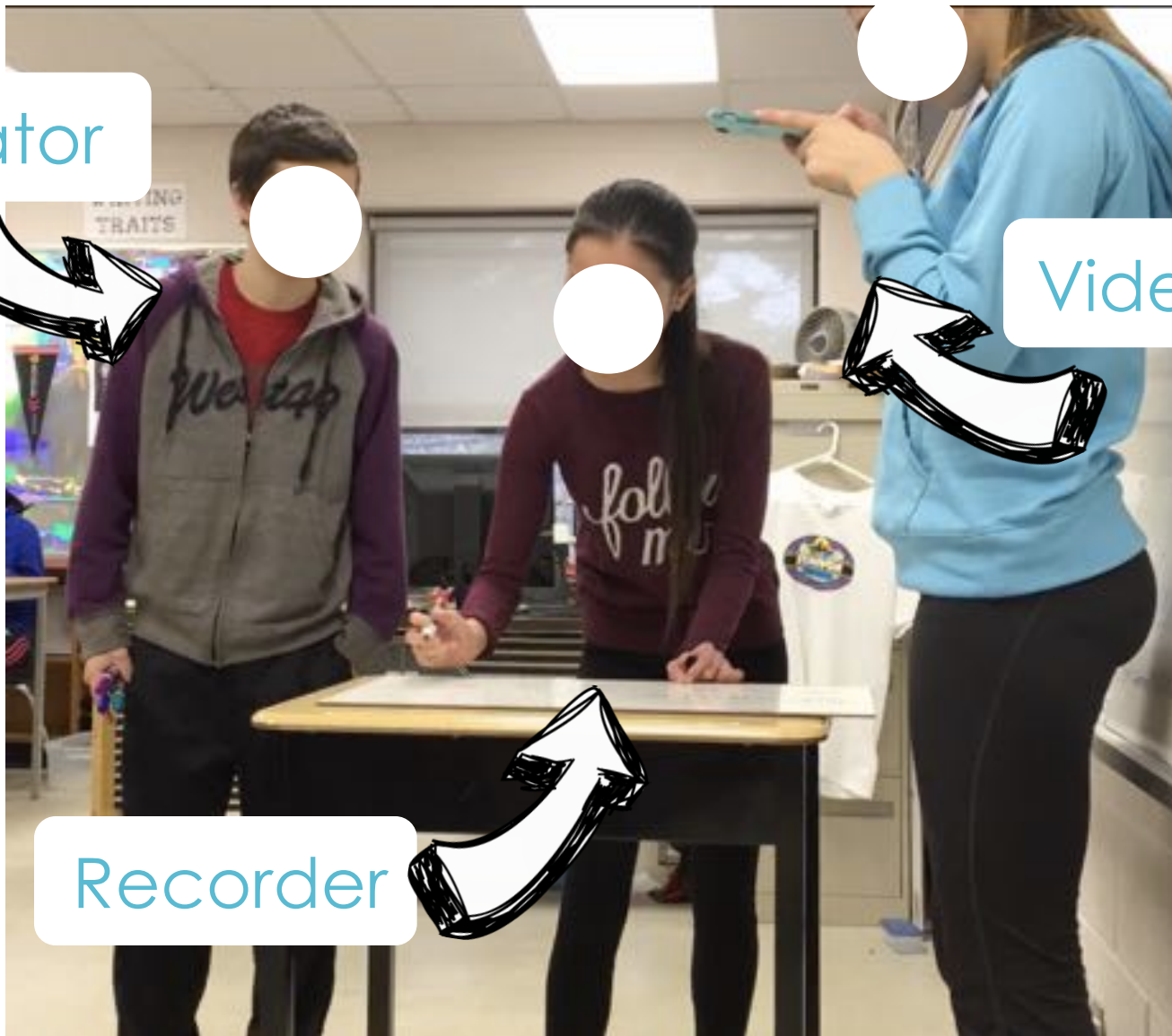




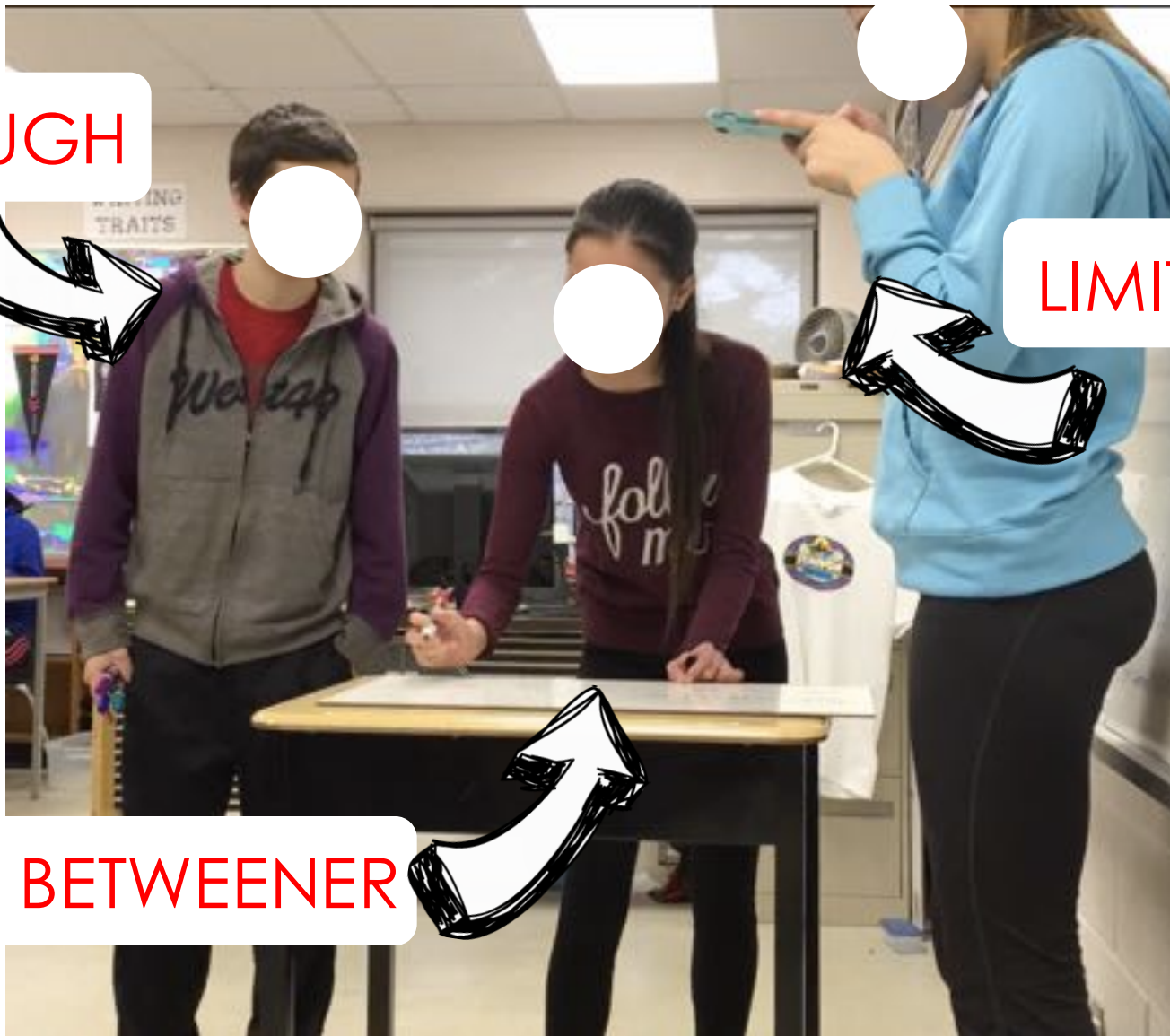
Narrator

Videographer

Recorder



THOROUGH



LIMITED



IN BETWEENER





# HOW I PROJECT THE VIDEOS

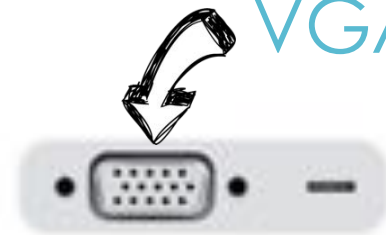




LIGHTNING



LIGHTNING  
To VGA  
Adaptor



VGA



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- Easy Returns

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12 remaining

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✓ Free delivery arrives as early as Apr 20th View delivery options

IN-STORE


Stores near Oshawa Change

Check other stores

Cannot Reserve

Add to Wish List

Add to Price Watch



LIGHTNING



LIGHTNING  
To HDMI  
Adaptor



HDMI







# WORST CASE SCENARIO



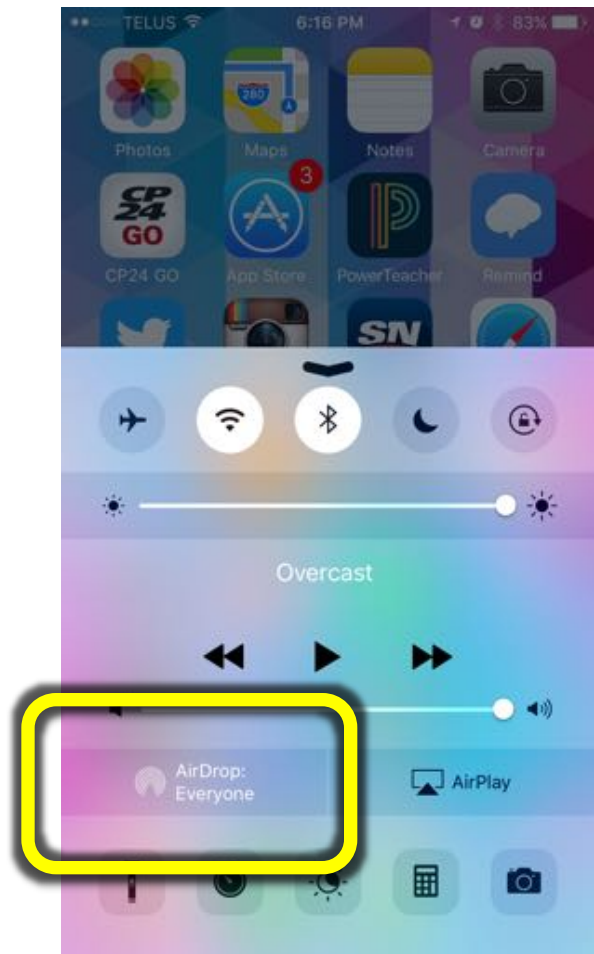
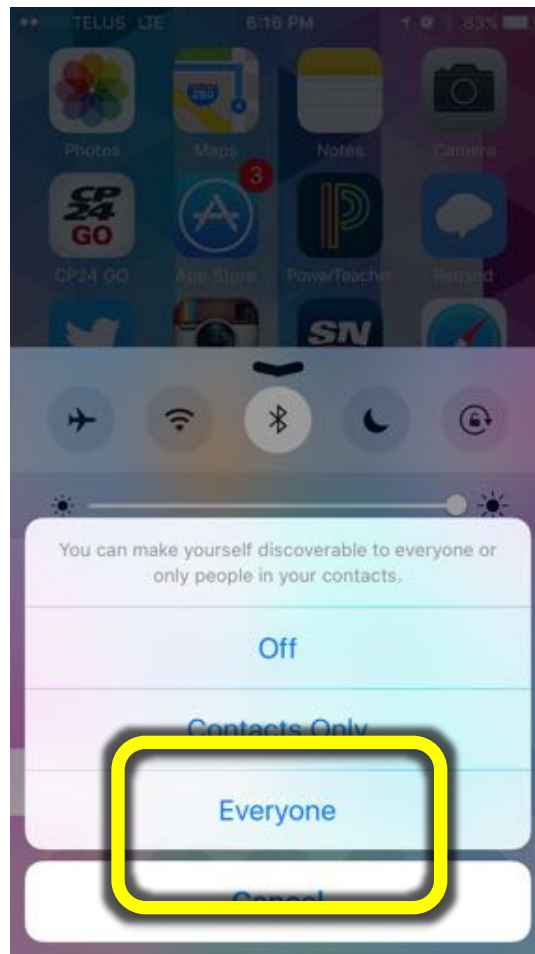
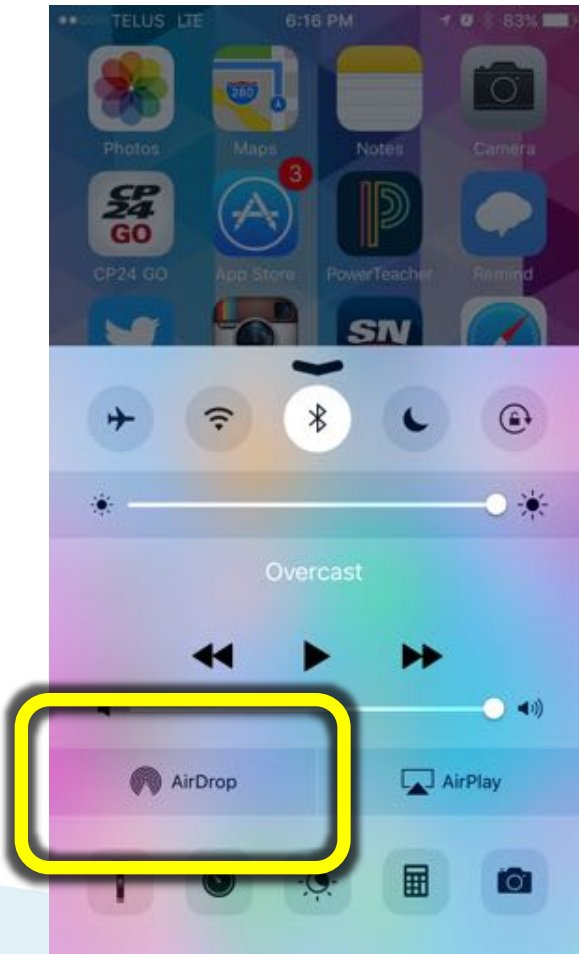


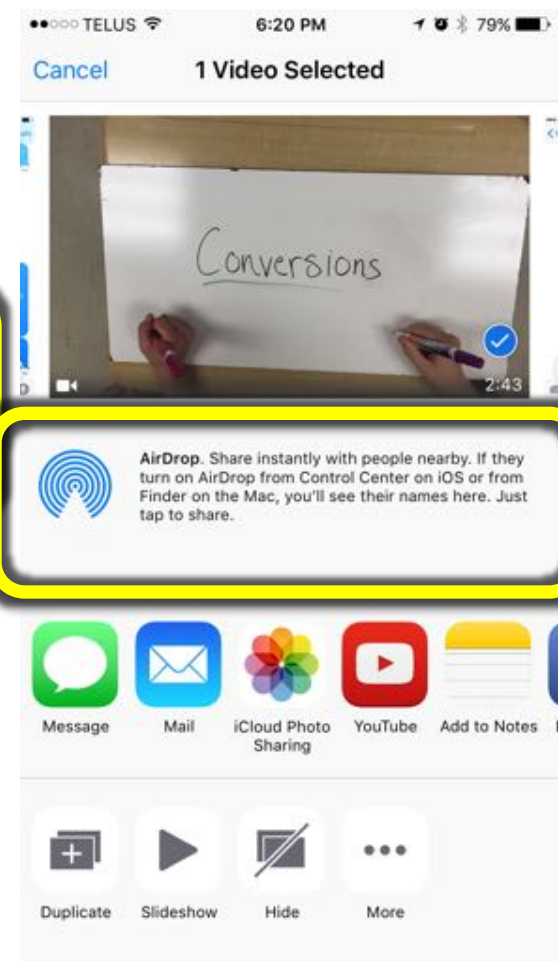
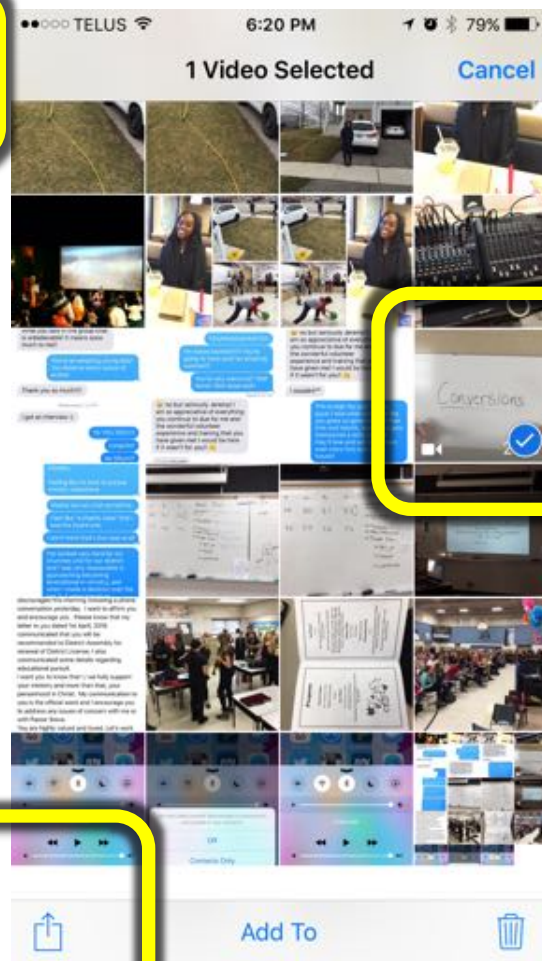
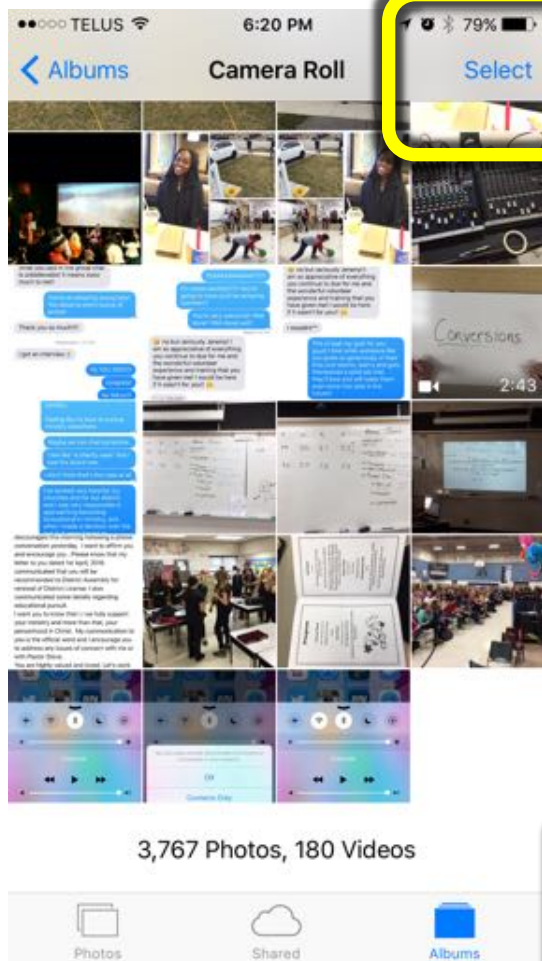
# HOW I GET THE VIDEOS FROM STUDENTS

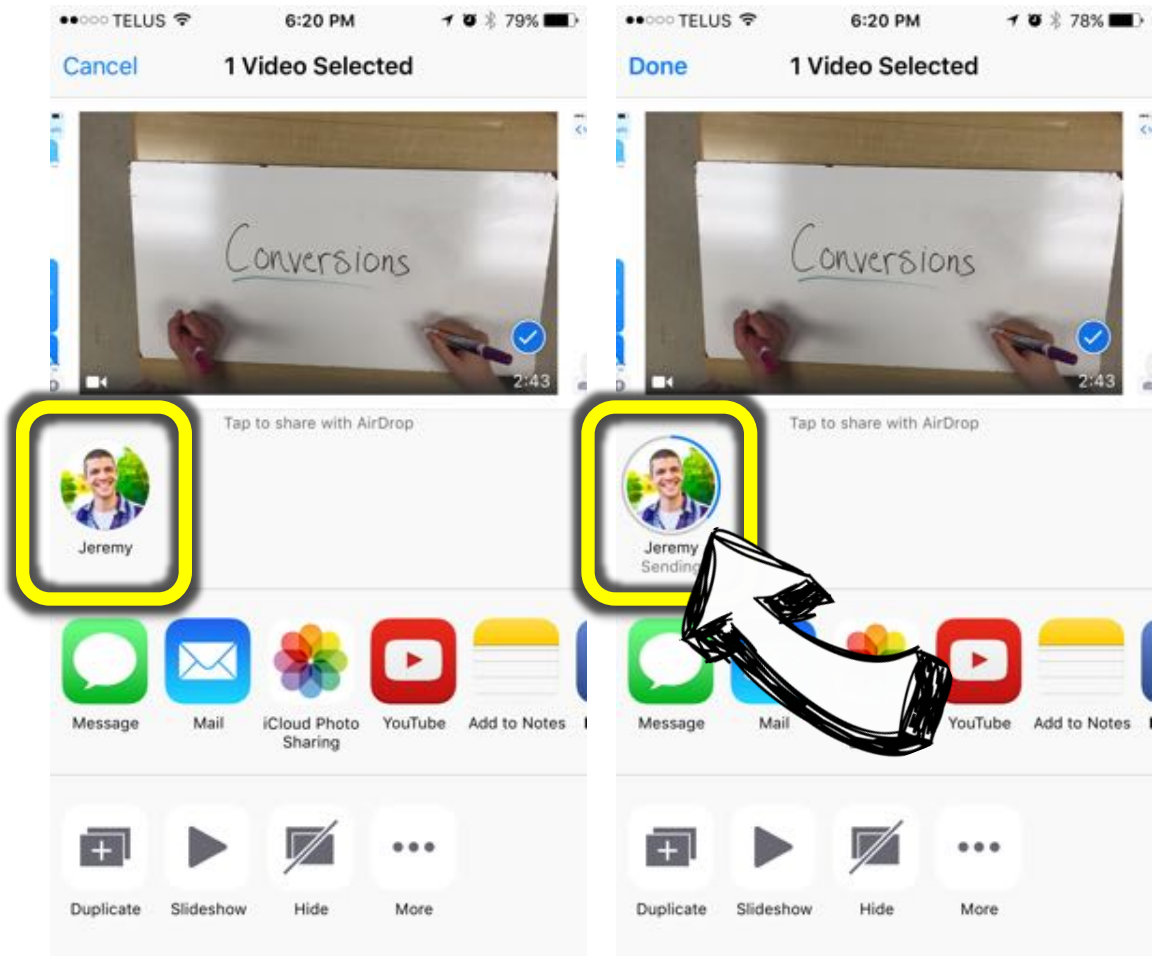


AirDrop





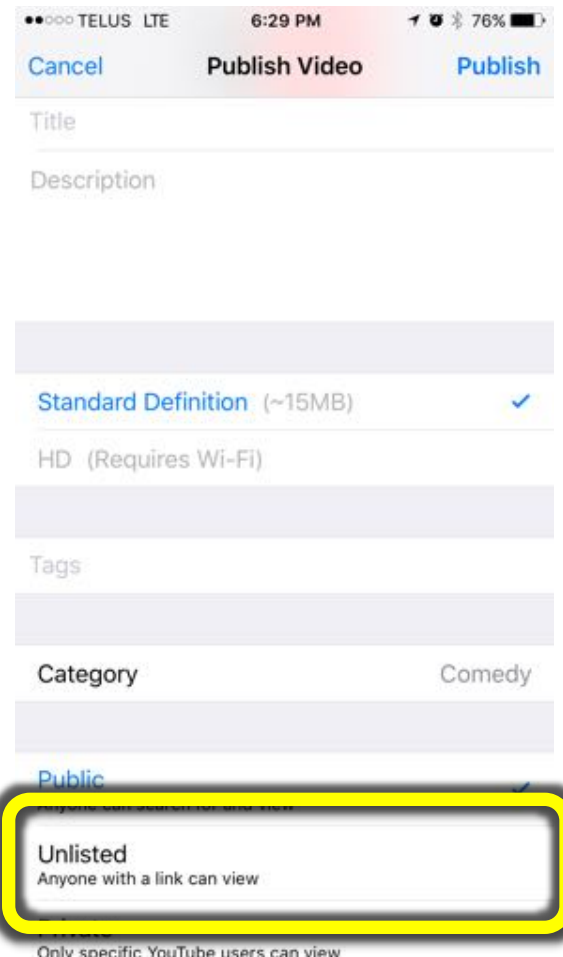
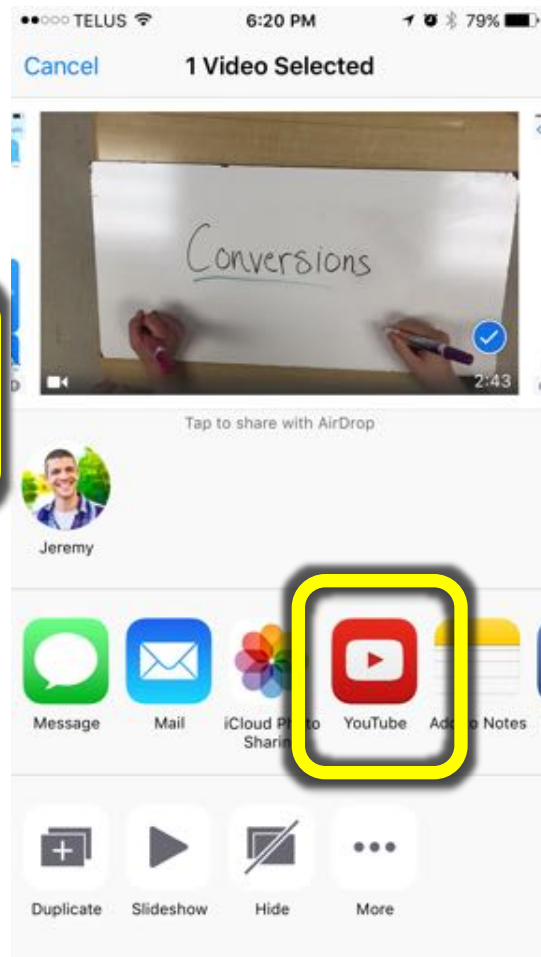
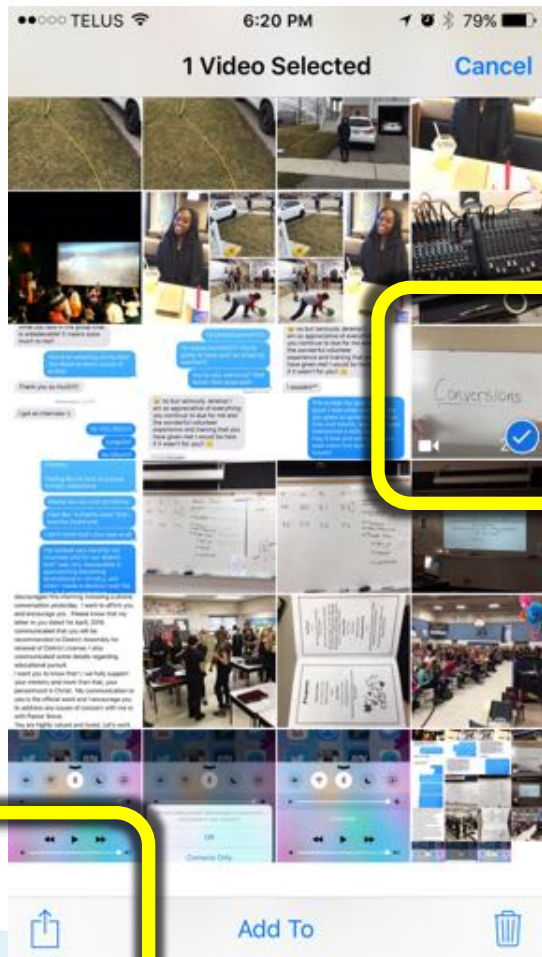






HOW I POST  
THE VIDEOS:







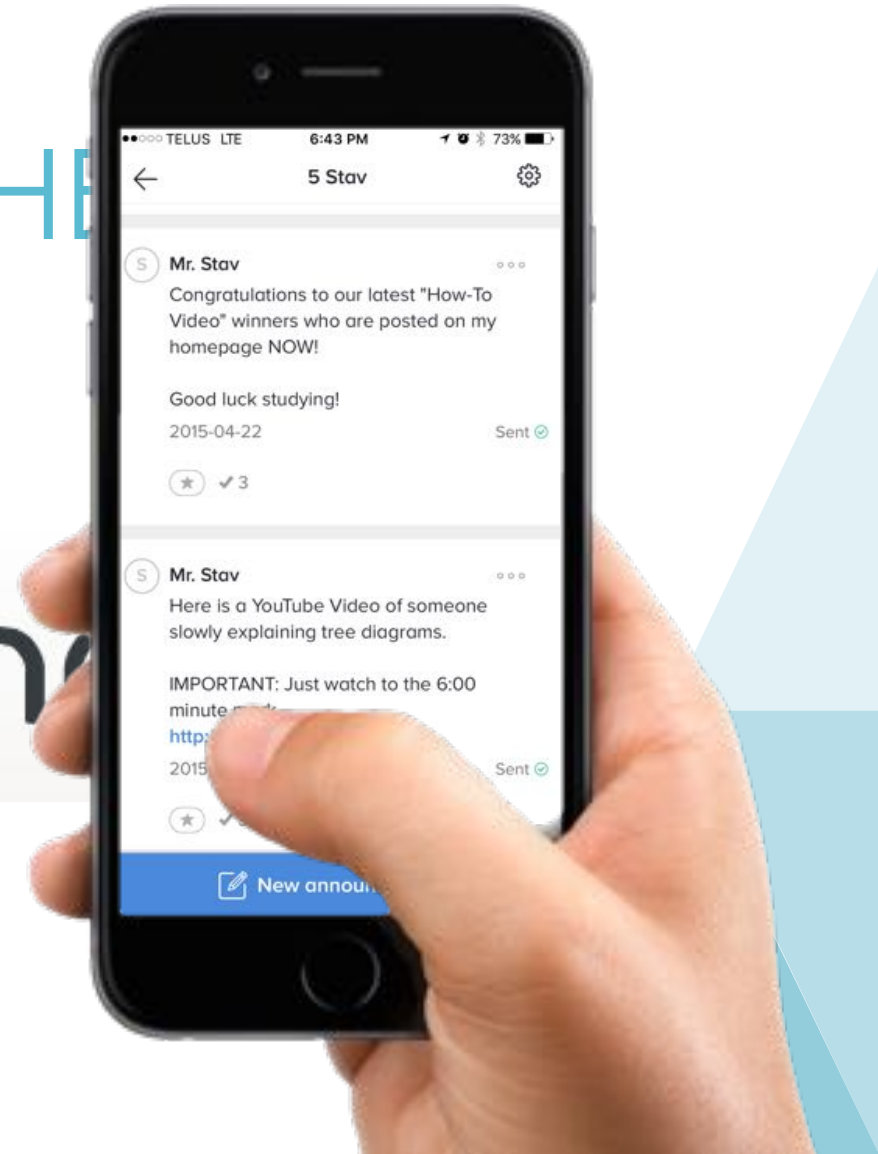
HOW I TELL THEM:

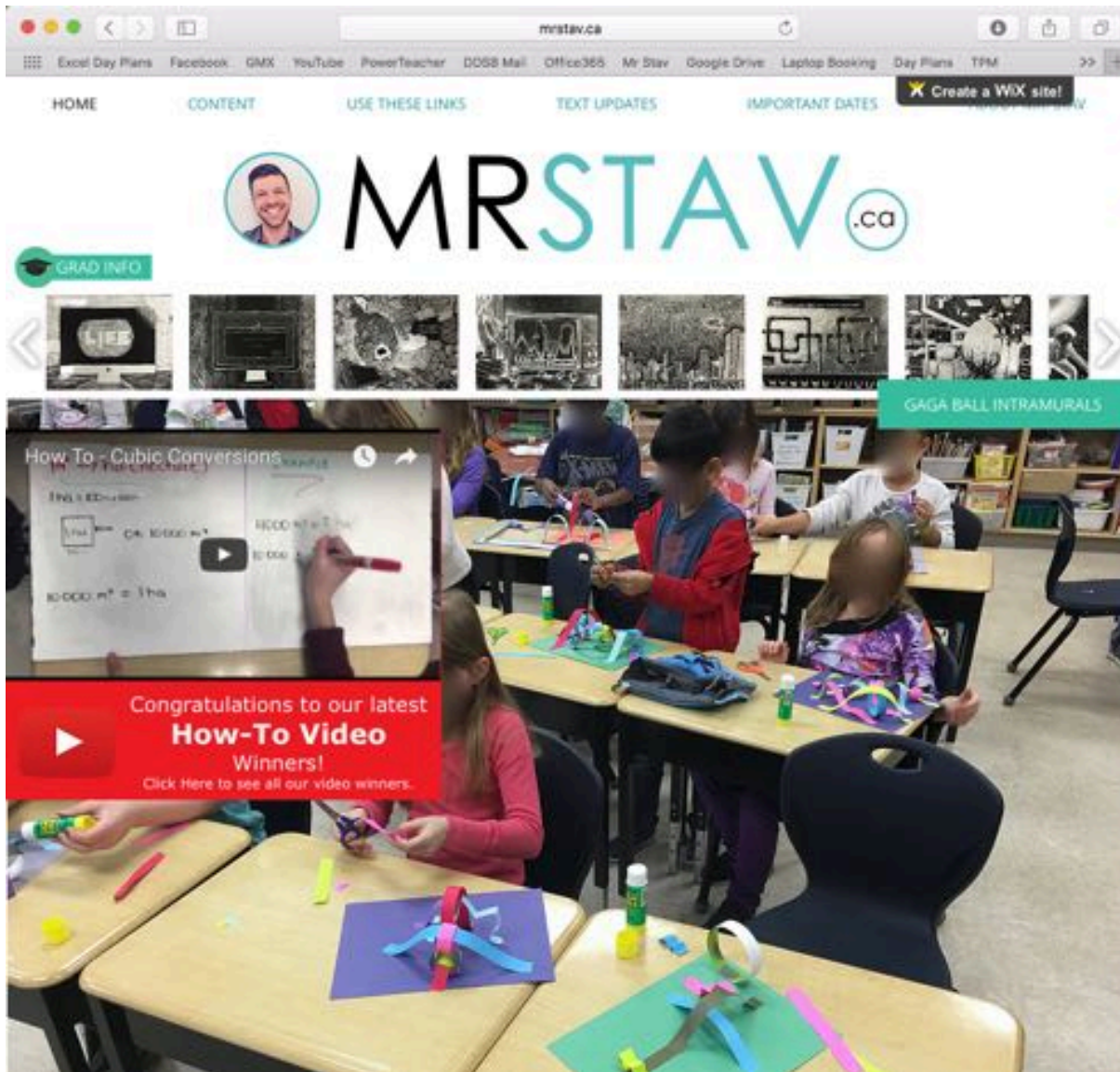


# HOW I TELL THE



# remind





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HOME CONTENT USE THESE LINKS TEXT UPDATES

MRSTAV

GRAD INFO

How To - Cubic Conversions

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Create a Wix site!

## How-To Video Gallery

### Grade 8 (Gifted)

- How To - Prime Factorization
- How To : Construct A Circle Gi...
- How-To: Histograms Test scores
- How To - Cubic Conversions

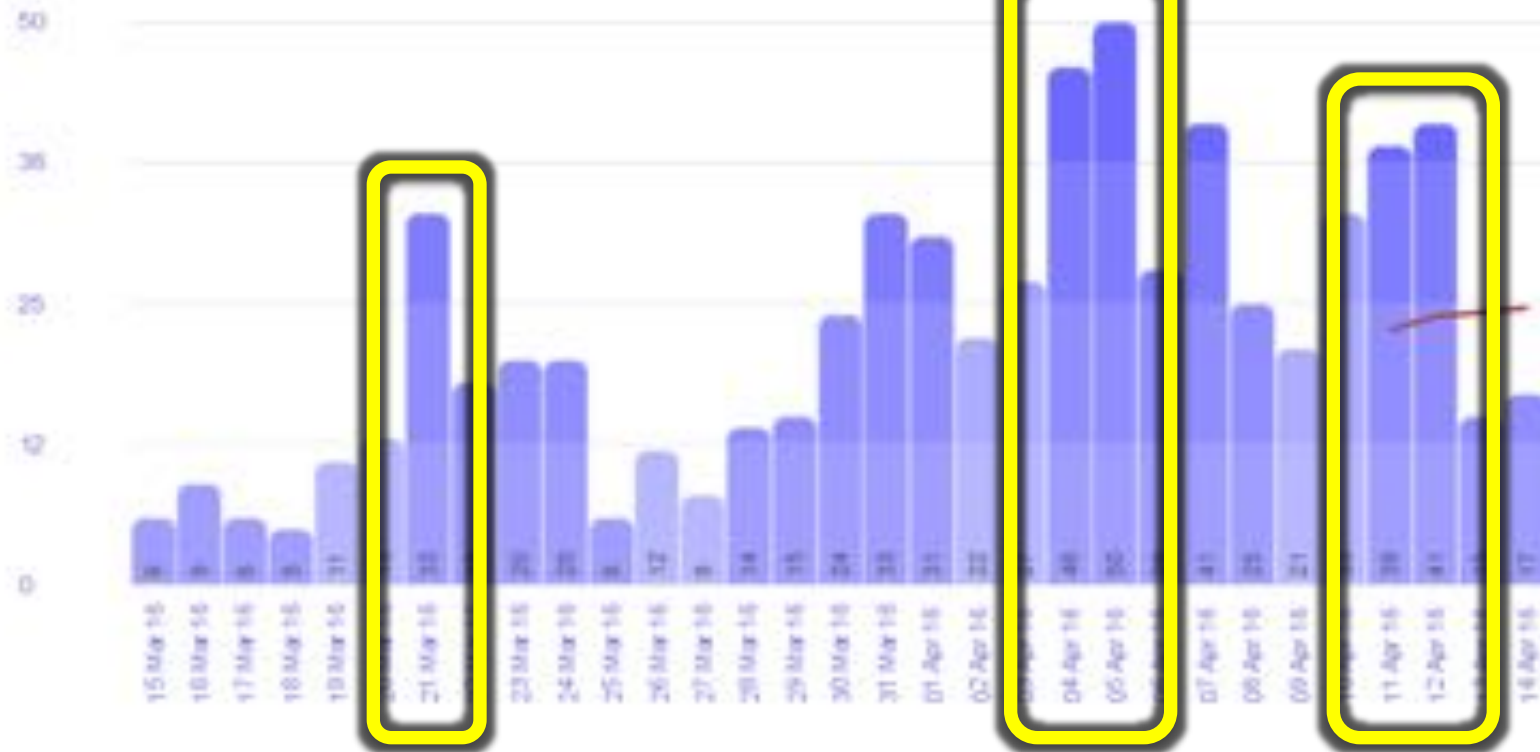
### Grade 5

- 2 digit Multiplication
- How To Read & Write an Angle ...
- Pyramids
- How-To: Probability Tree



## Total visits per day

2016-03-15 to 2016-04-14 (689 visits)





# HOW-TO MATH VIDEOS

SMALL GROUP MATH



## PRO TIP

Introduce [how-to videos](#) using an 'ASAP Science' video to inspire them!



WHICH **CAME** FIRST

OR  
THE







Download this PowerPoint  
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[MrStav.ca/Connect](http://MrStav.ca/Connect)

[Jeremy.Stavropoulos@ddsb.ca](mailto:Jeremy.Stavropoulos@ddsb.ca)



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