

WELCOME to this Session based on our Interactive Video:

TEACH, don't Tell! ... Hybrid Lessons from SURVIVE to THRIVE in 2021 Mathematics

Session Description:

This Virtual Session explores “**TEACH don't TELL**”, using resources that capture the capabilities of **HYBRID LEARNING** to assist students in **UNDERSTANDING**.

Interactive resources will address the need for **multi-dimensional approaches** to help all children, individually or in small groups, at all levels to **understand**.

For Grades 3 to 8

...

At the end of a section of **VIDEO...**

a **STOP** is noted to take the learner to the **corresponding ONLINE LESSON** or **3 PART LESSON** within **UMathX**. (www.umathx.com ... free access)

If needed, the following is a helpful Video Menu given at www.umathx.com ... **STEP 7**

It involves **10 examples** – each with **video** – then **online lesson** – then **3 part model lesson**, and then **2 humorous videos** at the end.

0:00 to 1:36

Introduction

1:36 to 3:17

Learning Pit introduction
Were you taught?
Productive Struggling

3:17

Concept 1

Multiply a 2 Digit by 2 Digit Number ... then pause the video to **THINK & TALK** and **DO** [Resource 1](#), [Resource 2](#), [Resource 3](#)

6:03

Concept 2

Add 2 Digit Numbers... Concretely

6:53

Concept 3

Subtract 3 Digit Numbers... Concretely

7:29

Concept 4

Fraction Introduction – Pattern Blocks ... see [Resource 4](#)

- 9:33** **Concept 5**
Multiply Fractions
- 10:33** **Concept 6**
Divide Fractions
- 12:00** **Concept 7**
Patterning - Trick Machine
Patterning - Cube-a-Links
- 19:33** **Concept 8**
Area – A STEM Activity
- 20:02** **Concept 9**
Add Numbers Vertically
- 20:49** **Concept 10**
Discuss - TEACHING not TELLING ... then pause video to THINK & TALK.
- 21:27** **Concept 11**
MATH or MAGIC .. Ma & Pa ... then pause the video to THINK & TALK.
- 24:00** **Concept 12**
THE LEARNING PIT .. by James Nottingham ... then pause the video to THINK & TALK.
- 30:30** **Introduction to Coding Through Robotics and Logo with a Math Focus**
- 37:15** The End

We recommend 3 general Variations in using this Presentation:

There is, of course, flexibility in how the material in this session is used:

Possible Process #1 for individual teacher or parent or math grouping:

View the entire video (30 minutes) - **10 examples each with video – then online lesson – then 3 part model lesson. 2 humorous videos** at the end at 16:19 and 18:50.

This could be followed by a general discussion or discussions over a number of weeks.

Possible Process #2 for individual teacher or parent or math grouping:

View and discuss the introduction...then **view the video of 1 or 2 examples**, each followed by the **online example** and a **3 part model lesson**.

This could be followed by discussion and then 2 humorous videos ... followed by discussion.

Possible Process #3 for individual teacher or parent or math grouping - on a FULL DAY PD session.

View and discuss the introduction... then view **the video of 10 examples**, each followed by the corresponding **online example** and **3 part model lesson**.

This could be followed by discussion and then 2 humorous videos... followed by discussion.

*All **3 part model lessons** on 1 double sided page are within UMathX .. free online at www.umathx.com. The **3 parts of the lesson are: Get Started ... Working at It ... Reflect and Connect**.

