

To Flip or not to Flip

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Educator



keeping you one step ahead

learning

[illegible]

To Flip Or Not To Flip - LET'S TAKE IT STEP BY STEP!

- **Technology and Education? ...Why?**
 - The SHIFT in education!
 - 21st Century Learners
- **Shall we Flip or not?**
 - Introduce the recently evolving teaching pedagogy – **THE FLIPPED CLASSROOM**
 - Examples and ideas of how this teaching pedagogy can be applied
 - Discuss the pros and cons
 - A list of FREELY available tools that can be used in the classroom
- **Let's Debate!**
- **Hands On Session...**

TECH & EDUCATION, WHY?

Postman (1992) states that “*technological change is not **ADDITIVE**, it is **ECOLOGICAL***”

HOW is it ECOLOGICAL?

Check out YouTube video
‘DID YOU KNOW 4.0’ to
grasp the idea!

Ecological shifts:

- Advertising
 - Commerce
 - Communication
 - Entertainment
 - Fashion
 - Fund Raising Events
 - Public Petitions
 - Political Campaigns
- ...and the list goes on and on!!!!

WHAT ABOUT
EDUCATION?

BUT EDUCATION & INNOVATIVE TECHNOLOGY...

Education + Innovative Technologies \neq GOOD TRACK RECORD



Track record of first confiscating and then appropriating emerging technologies.

Stephen Heppell
Professor of New Media
Environments at the
Centre for Excellence in
Media Practice.



AND NOW? Are we moving on the right path?

It's all about how we interpret the use of the 'artifact' at hand...

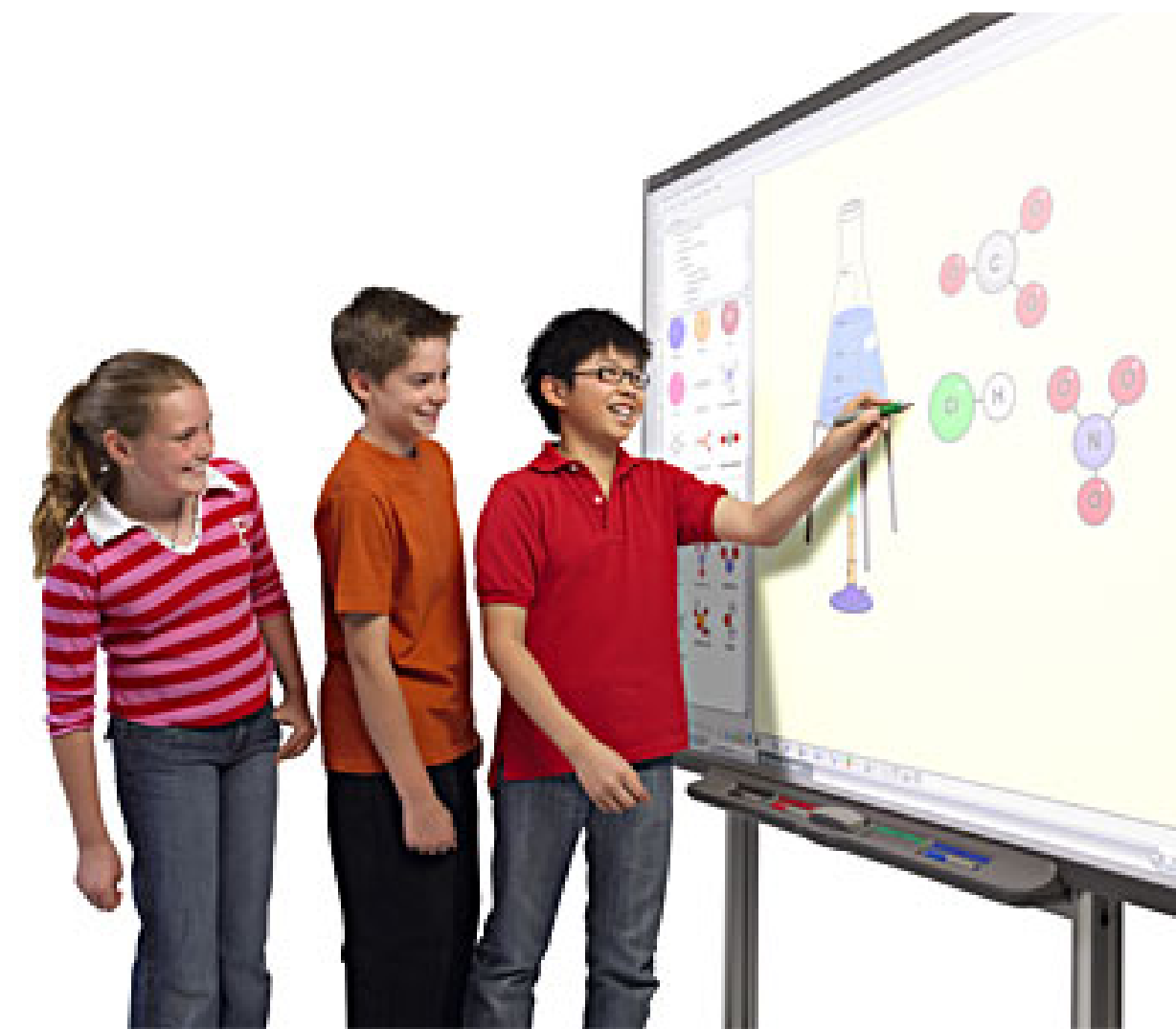
**Using a
Smart
Phone**
...but is it
SMART?



Using Interactive Whiteboard

...It's quite restrictive to create IWB activities for Computing!
{so using the IWB just as a projector is right?}

- ✓ Save lessons to present to students who were absent
- ✓ Use highlighter tool to highlight important keywords on the notes (easier for the students to revise)
- ✓ I use it for H.W. correction during lesson: requires a change in the resources used
- ✓ Having students write the content covered during the lesson ...kind of the lesson closure (bullet form or concept maps)



TECH & EDUCATION ...BUT WHY?

Concept of

**IMMEDIATE
RESPONSE**



What about learning as **WWW?**

WHEREVER – WHENEVER - WHATEVER

EDUCATION SHIFT!



Technology promoted **INFORMAL EDUCATION**

“...our students’ brains have physically changed” (Prensky, M. ,2001)

AND SO SHOULD OUR TEACHING PEDAGOGY.

- ☐ School being the solely learning place
- ☒ School being **“AN IMPORTANT PART OF THE LEARNING CONTINUUM”** (Casap, J., 2013)

21st CENTURY LEARNER

Maltese kids and the use of technology outside of school environment:

Primary

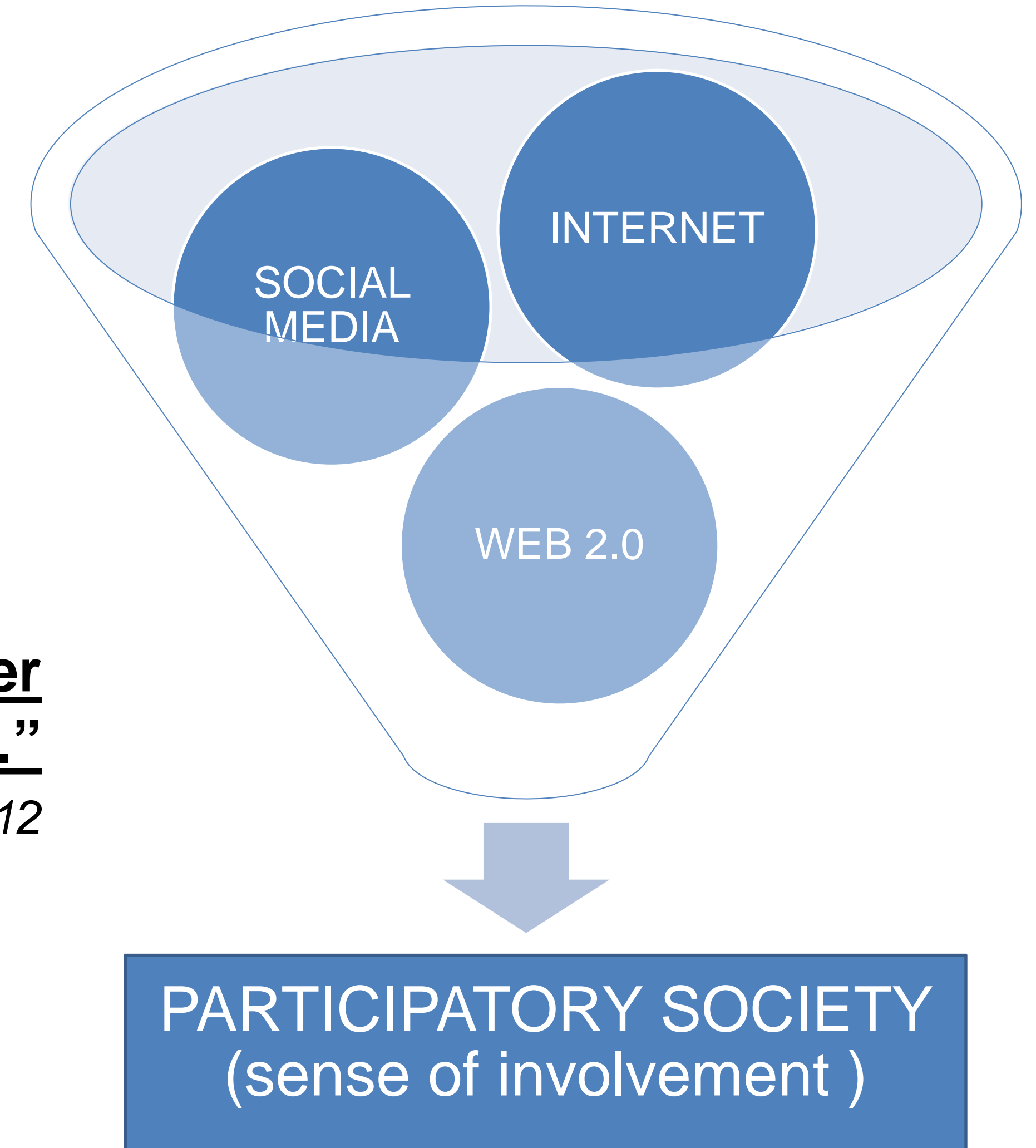
- **57%** Internet access from their bedroom
- **33%** Internet access via their mobile phone.

Secondary

- **99%** Internet access twice a week or more.

“Results also show the intensive use of other internet-enabled devices.”

.... Malta Communications Authority (MCA) Survey, 2012




21st CENTURY LEARNING



“Classrooms should be places for active interaction, not passive listening and daydreaming.”

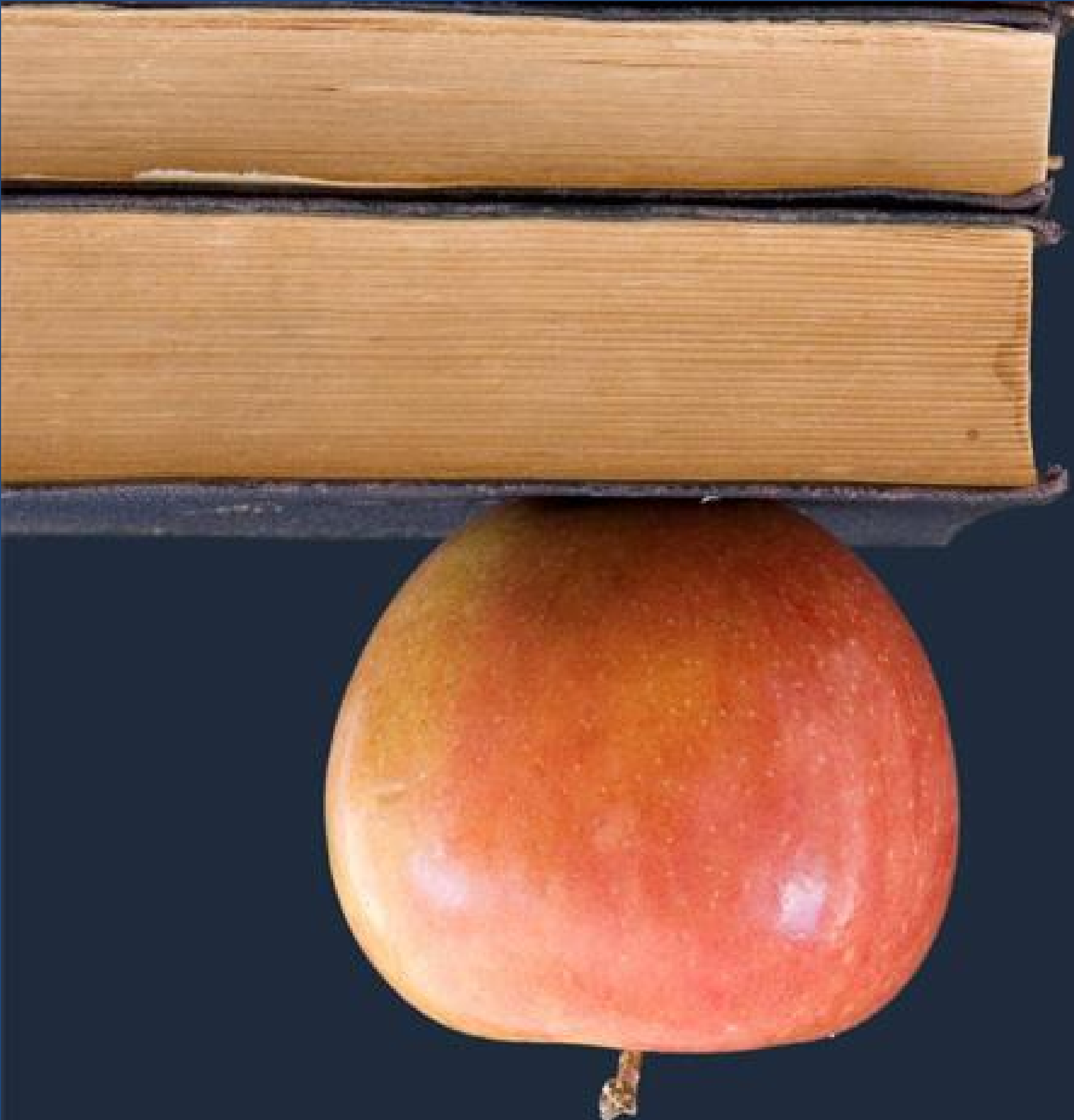
~~Sal Khan

Learning should be **ENGAGING, AUTHENTIC & RELEVANT**

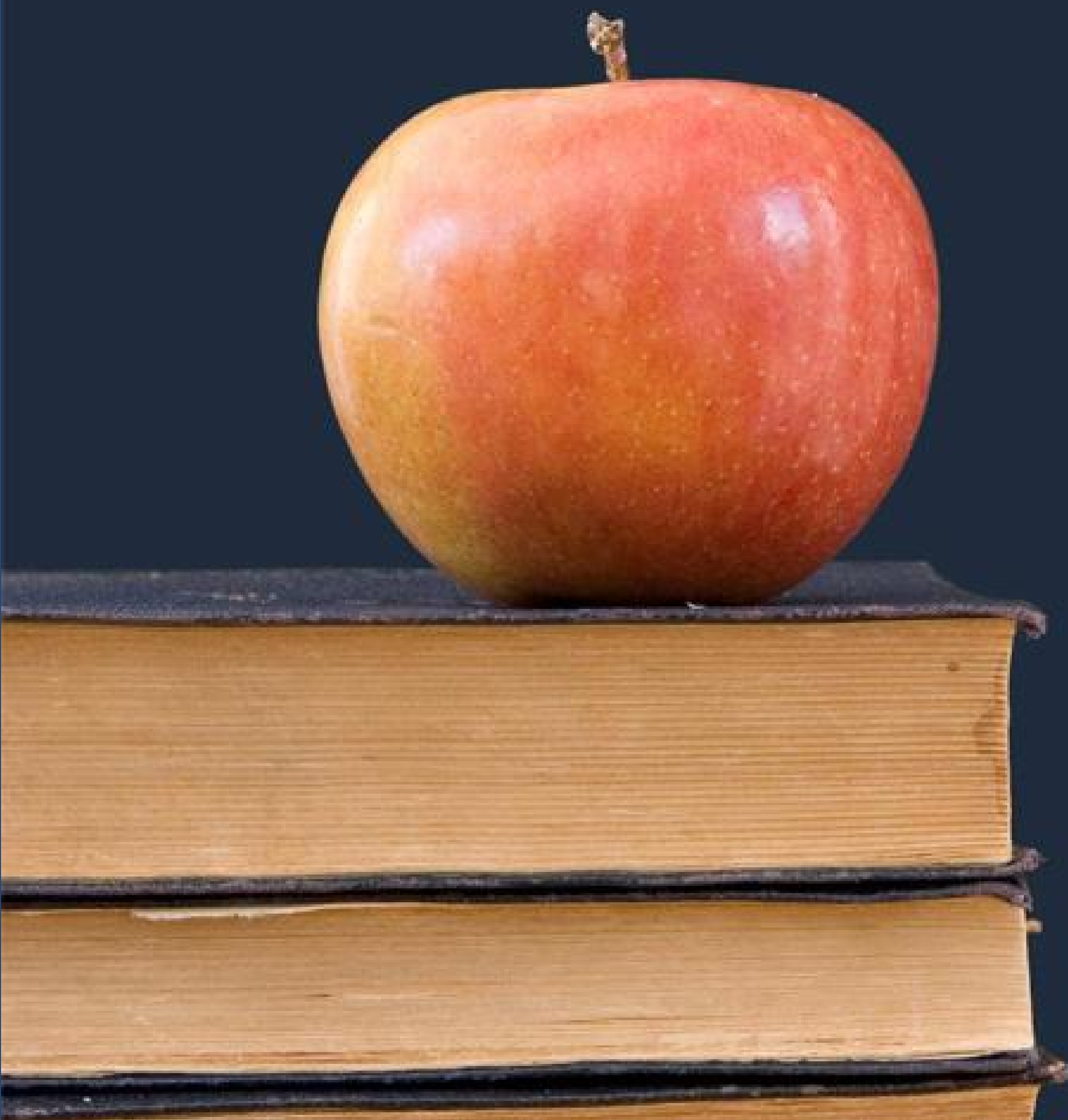
A photograph of three young children standing on a wooden picket fence. The child on the left is wearing a grey sweater and is reaching up with their right hand towards the top of the fence. The child in the middle is wearing a white t-shirt and camouflage pants, standing with their back to the camera. The child on the right is wearing a dark blue long-sleeved shirt with red and white horizontal stripes and blue cargo pants, also standing with their back to the camera. They are all looking out over a wooded area with bare trees under a clear blue sky. A semi-transparent dark grey rectangular box is overlaid on the right side of the image, containing white text.

Students should CELEBRATE their wins, success & achievement! But how?

- Let students DEMONSTRATE their understanding in their own way!
- Encourage the Sharing and Collaboration ...
Let Students SHARE their success

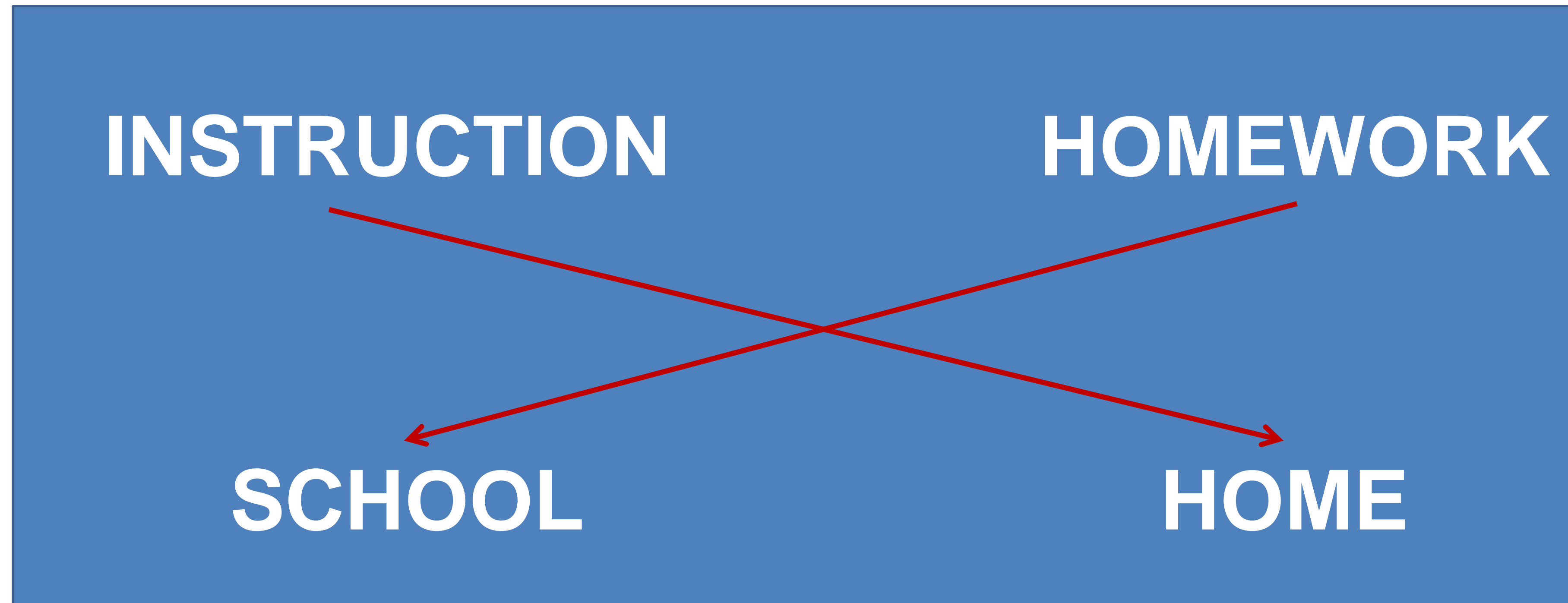


FLIQGING?



OR NOT?

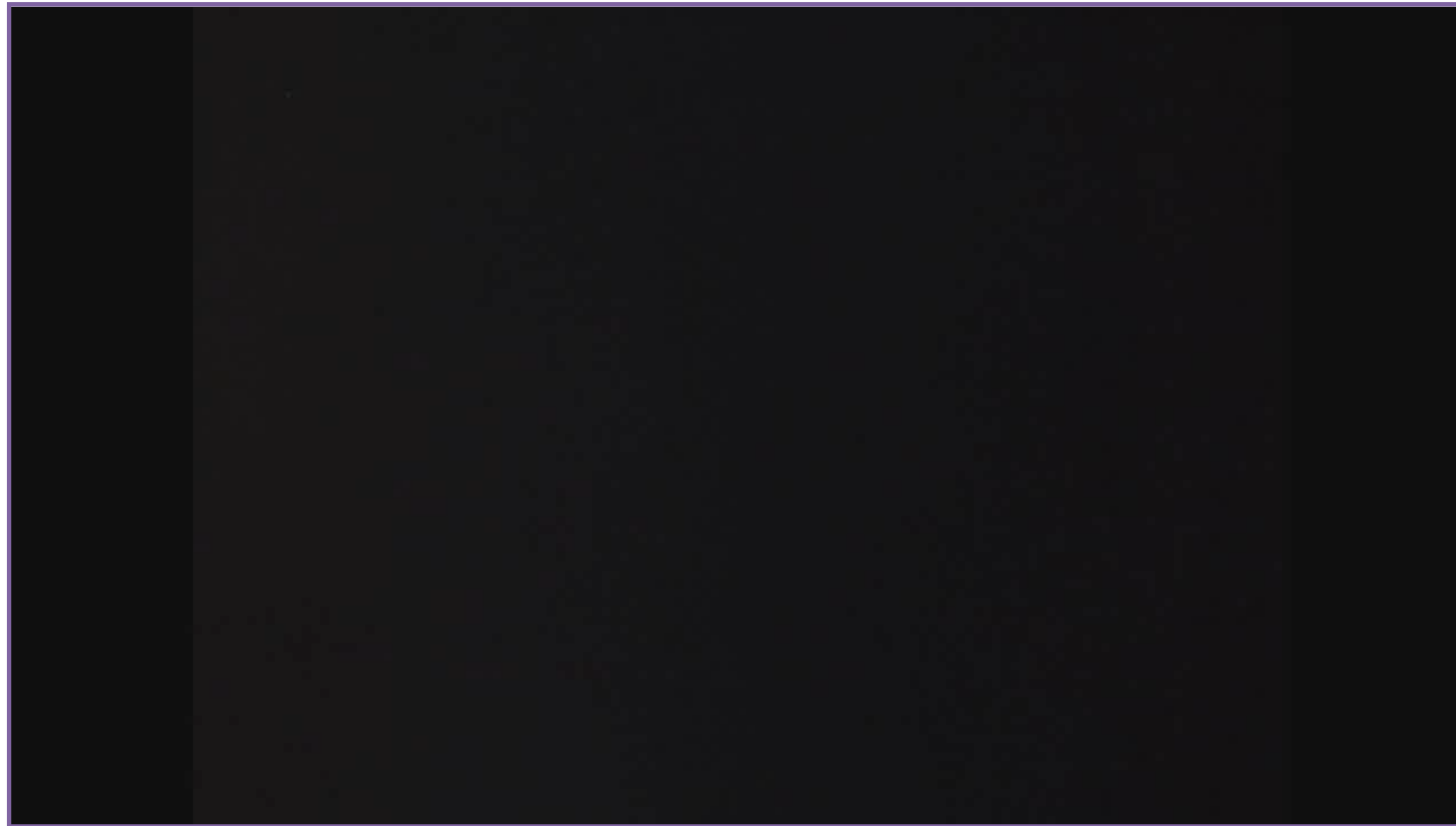
Flipped Classroom.... Flipped what?



“Leverages the learning in a classroom, so a teacher can spend more time interacting with the students”

~~Jason Wilmot (Licensing Executive at Microsoft)

Flipped Classroom.... Flipped what?



Adam Saams
Flipped Classroom pioneer

“
Students have control over instruction...

I think, it definitely works for every speed
of learner ~*student*

...demonstrate their understanding in
some other way

It took time to adjust, but failure grades
went down from 40% to single digits.

We are preparing our students to jobs
that do not exist yet!”

Flipped Classroom.... **not a new concept!**

- Flipping is, in essence:
 - learning that is centred around the student, not the teacher;
 - learning that allows students to show their mastery of content the way they prefer.

~~John Dewey *(early 20th century)*

"Are we doing things differently or
doing different things?"

...During class time!! Students' role?

- **Talk** about the important part of concepts based on their summaries/notes
- **Discuss** answers in small groups
- **Compare** answers to 'secret questions'
- **Work** on
 - Practice problems (individual or group work)
 - Projects or Activities related to lessons
- **Take** Concept Quizzes (to prove their understanding)
- **Create** own problems and record solutions (video, presentation, podcast, online poster)
- **Ask** teacher or peers for help (whenever they are stuck)

Students are:

Thinking

Writing


Interacting

Reading

Listening

Speaking

...everyday!

The image shows three interlocking puzzle pieces on a light-colored surface. The top piece is light blue and has the word 'WE' written on it in dark blue. The bottom-left piece is light blue and has the word 'ME' written on it in dark blue. The bottom-right piece is dark blue and has the word 'YOU' written on it in dark blue. The pieces are arranged in a triangular pattern, with the 'WE' piece at the top, the 'ME' piece at the bottom left, and the 'YOU' piece at the bottom right. A semi-transparent grey box with white text is overlaid on the right side of the image.

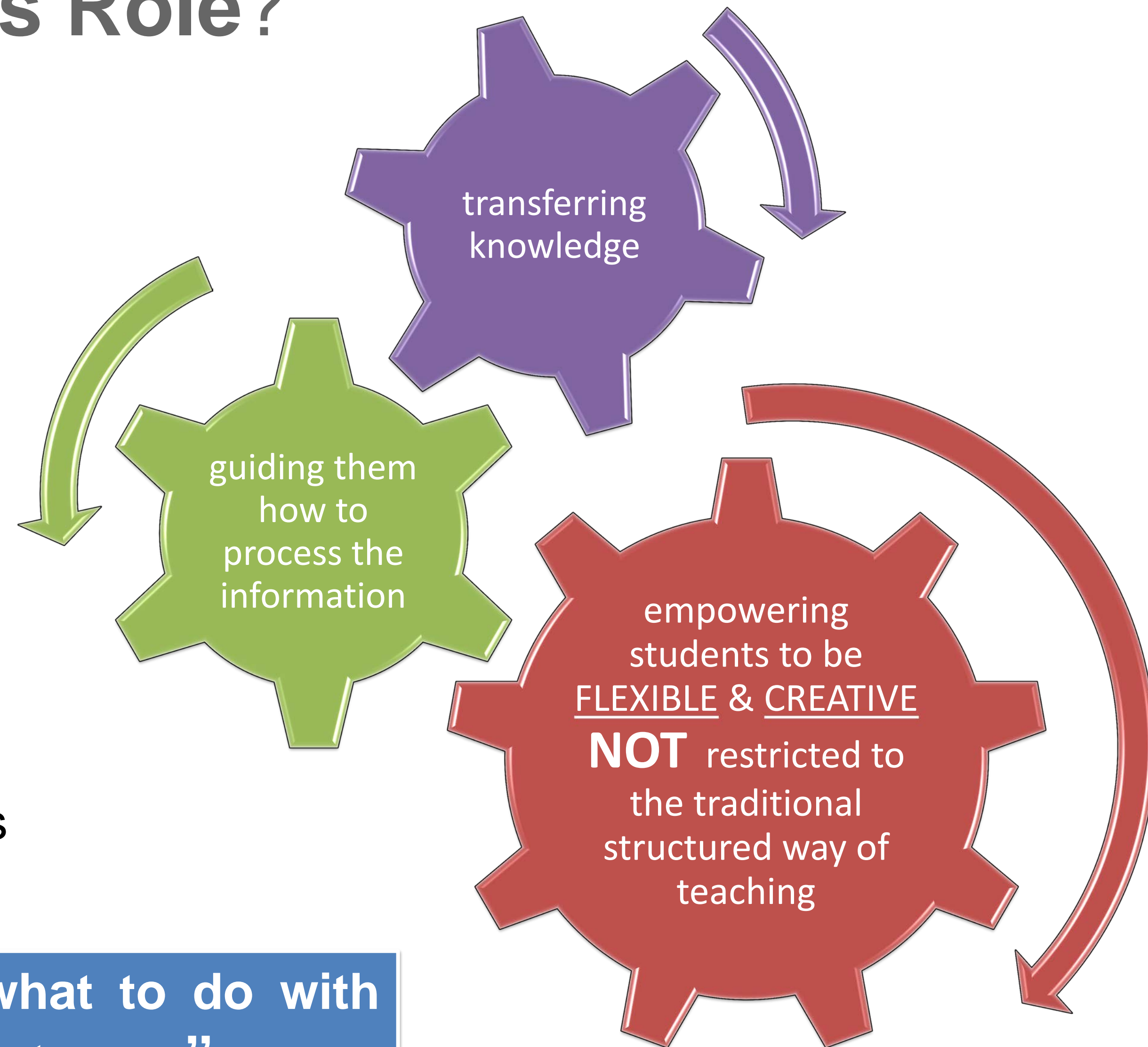
Learners develop skills for
REFLECTIVE PRACTICE
through discussing, reviewing,
analyzing, evaluating &
synthesizing

What happens to the **Teacher's Role**?

- Technology \neq Replace Teachers
- Technology = Extension of the Teacher

Teachers' role is now even more important than ever!

- Teacher's would be **ACTIVE** during the whole class time
- Teachers' are not anymore knowledge feeders but rather **FACILITATORS OF LEARNING**.



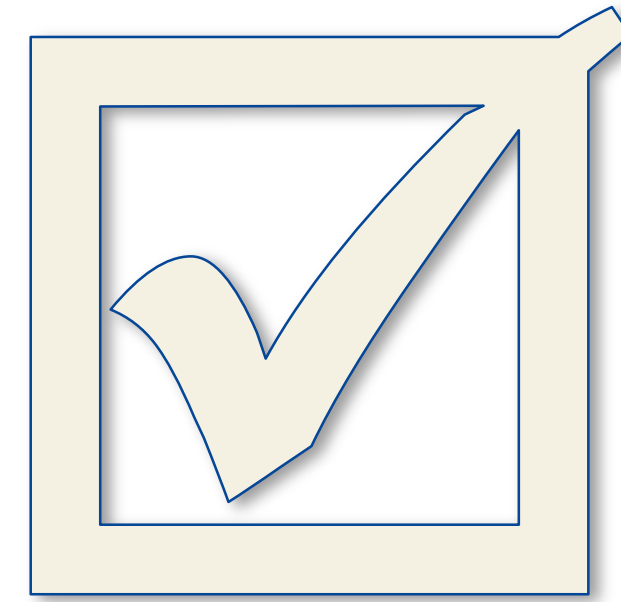
“Educators might need re-education about what to do with class time that previously was used for their lectures.”

~~Jackie Gerstein Ed.D

Flipped Classroom.... What is needed?

Learning Resource

- Personal Videos
- On Demand Videos,
- Other Resources

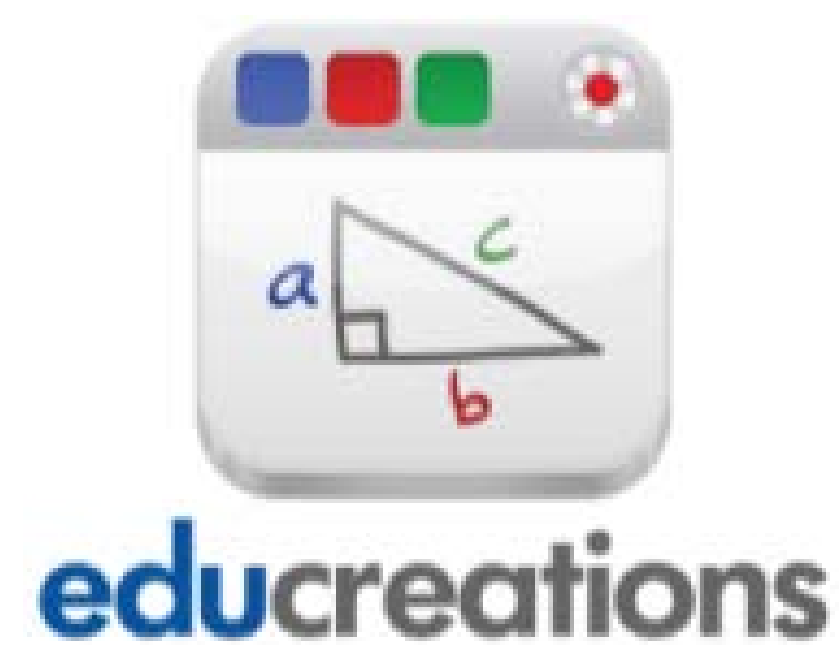


A Posting Page (Optional)

(to share resources with students)

Learning Resources... **YOUR OWN PRODUCTIONS**

- Personal Video ...make your own videos!
 - Video Camera
 - Screen Casting Resource
 - Educreations
 - Docreri
 - ScreenCast-O-Matic



Check out **FLZZ Project...**
for **1-Take Video** guidance.

Learning Resources... ON DEMAND VIDEOS

- On Demand Videos:

- YouTube EDU
- Teacher Tube
- Khan Academy
- Ted ED
- WatchNowLearn.org
- NeoK12
- BrainPop
- AcademicEarth.org
- MIT Open Coursework
- MentorMob



ACADEMIC EARTH



neoK12



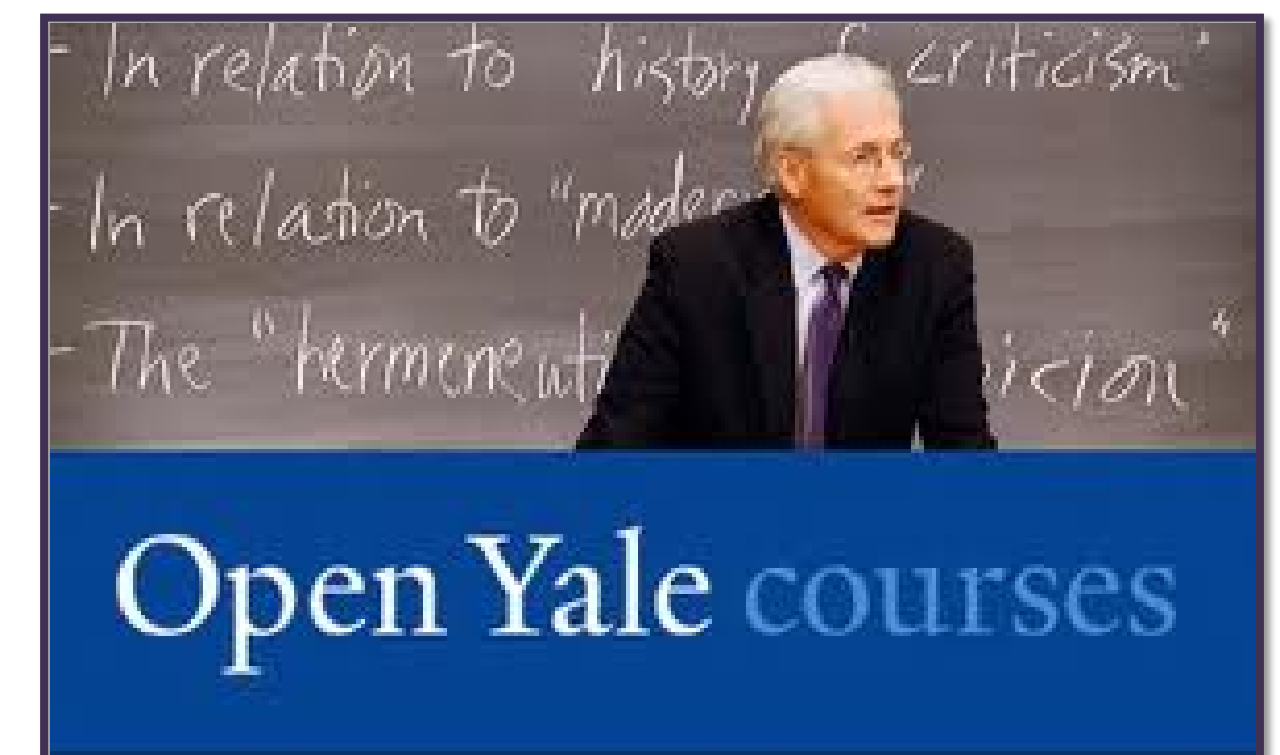
Massachusetts
Institute of
Technology



WatchKnowLearn.org
Free educational videos. Organized.

Learning Resources... Still More!

- Interactive Content Rich Websites
 - Online Course Materials
 - OpenCulture.com,
 - Open Yale Courses
 - Online Journals or Text Books:
 - DOAJ.com
- (Directory of Open Access Journals)



Posting Page

1. Upload Videos
 - Personal YouTube Channel
 - Sharing Files : SKYDRIVE
2. Refer the video on a Posting Resource
 - Social Media
 - FaceBook Group
 - Twitter
 - VLE
 - Fronter (Primary, Secondary Sectors)
 - Moodle (Higher Education)
 - EdModo (personal choice)
 - Private SMS & Texting Msgs
 - Cel.ly



Drawbacks ...worth considering!

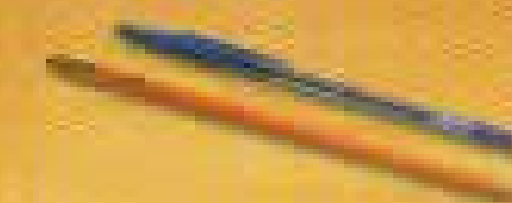
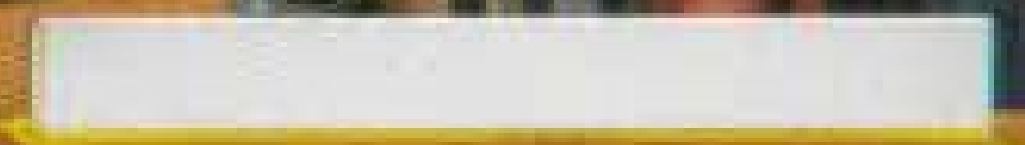
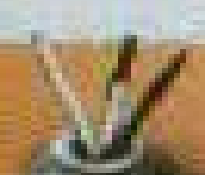
- Digital Divide
- No Real Guarantee that the students will do the 'Homework'
 - Unprepared students
 - Reiterate what the students should have done at home.
- Increased Work Overload
 - Preparation
 - Manage the coaching of students with different abilities and learning pace during class time
 - Testing the students' achievement
- No Real Time Interaction between students and teacher ...students can't pose question during instruction time!

Final thoughts!

Remember: is not about watching videos but about increasing 1:1 time with the students!

Transition: Students need to be guided through. This is a change for them and change is not always easy! (Habitualisation is needed)

In Depth Learning: Don't think of the flipping classroom as a way to get more material covered but rather as a way to cover things more in depth!

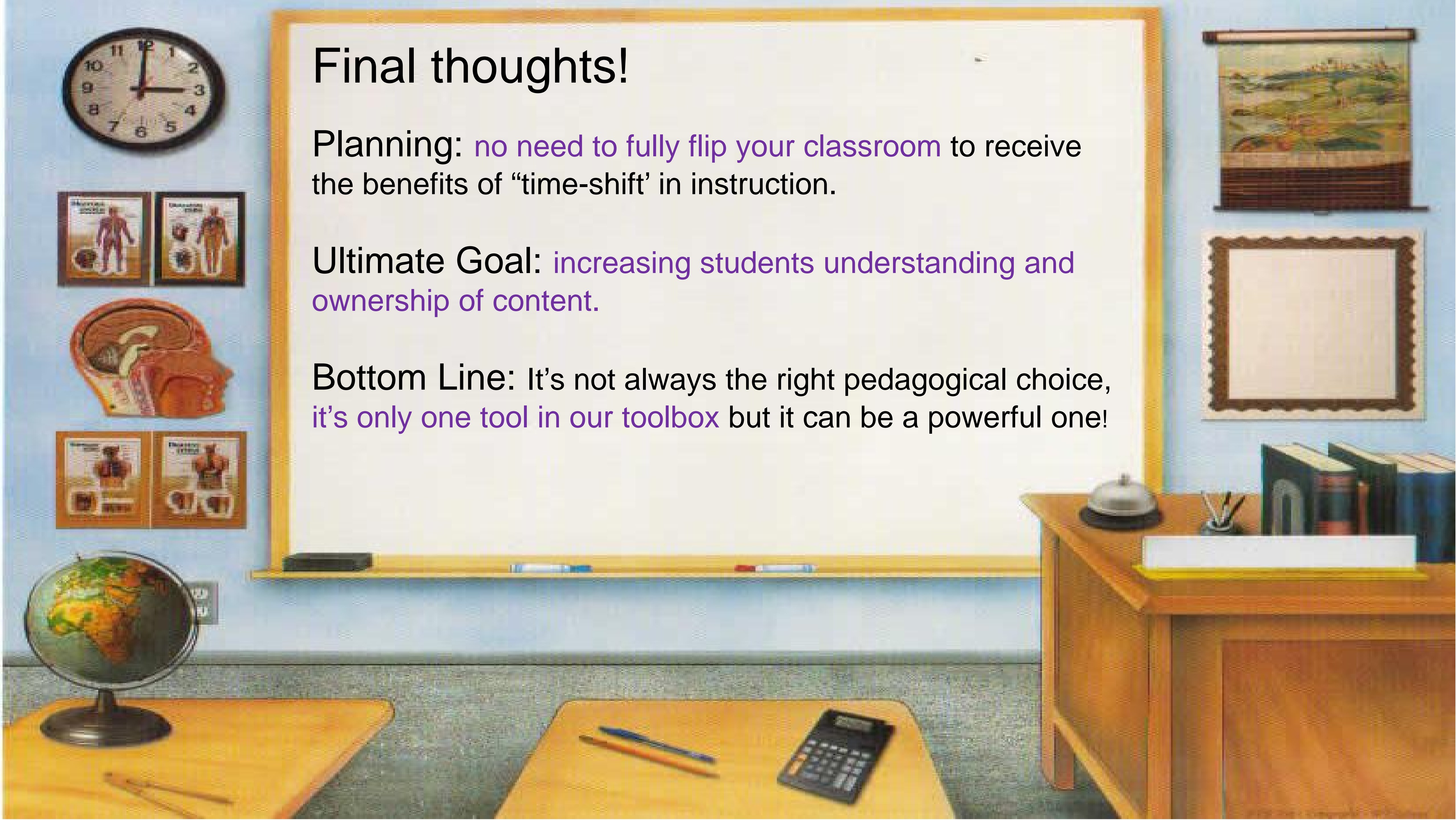


Final thoughts!

Planning: **no need to fully flip your classroom** to receive the benefits of “time-shift” in instruction.

Ultimate Goal: **increasing students understanding and ownership of content.**

Bottom Line: It's not always the right pedagogical choice, **it's only one tool in our toolbox** but it can be a powerful one!



“You can be a good teacher and never use technology, and technology does not turn a bad teacher into good one. However, a good teacher who uses technology well, can make great things happen!”

~Rushton Hurley

Executive Director at Next Vista for Learning & E-Learning Consultant





Got you interested in Flipping your Classroom?
Follow further details on 'The Flipped Classroom – Traditional Education turned upside-down'

~<http://www.kokuamai.com/test/flipped/>

eye-opening
confidence-building
amazing
helpful
well-structured
thought-inspiring
good
memorable
enlightening
worthwhile
comprehensive
brilliant memories
educational
inspiring
practical
positive
easygoing
liberating
fresh
simplyfying
challenging
interesting
fun
creative
flexible
relaxed
ideas
enjoyable
excellent
fascinating
much-better-photos
exciting
cool
user-friendly
fantastic
good-handouts

Using Web 2.0 Online Tools

- ✓ **Google Docs** for Group work
- ✓ **Prezi** or **Slide Share** to share their presentations
- ✓ **ISSUU** for animated e-book publications
- ✓ **Glogster** for Interactive Charts/Posters
- ✓ **Jux.com** OR **WordPress** for reflective writing / ePortfolio
- ✓ **Wix.com** to create a students' website
- ✓ **ThingLink** to tag diagrams or pictures

..thinglink..



WORDPRESS

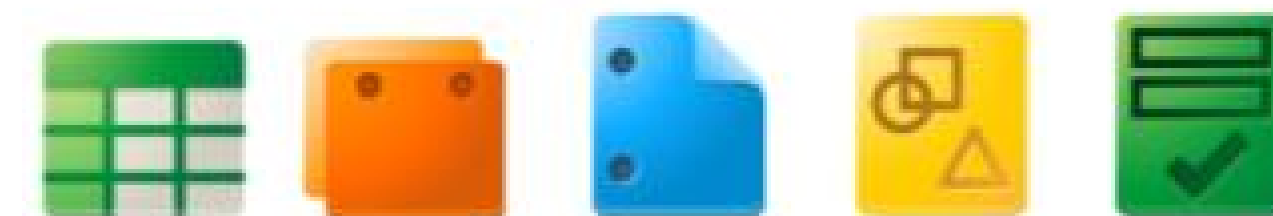


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Google docs



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