

IMPROVING STUDENT MOTIVATION IN A MATH CLASSROOM : TECHNOLOGY AS A LEVER

Caroline Flaherty and Shiny Verghese

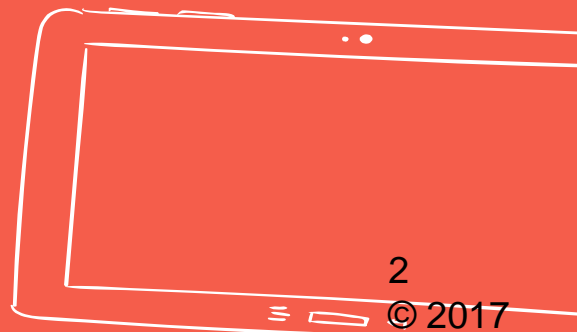
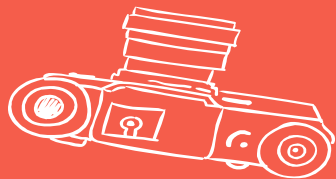
September 28th, 2017

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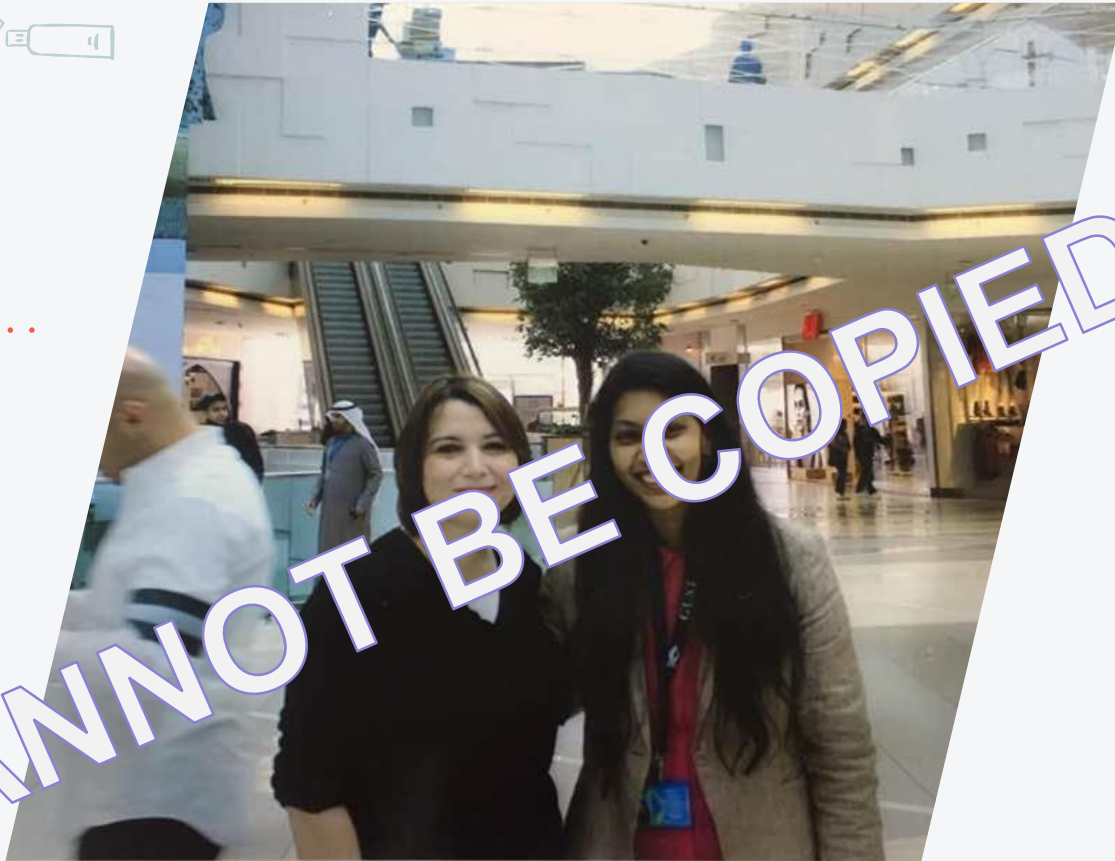
INTRODUCTION TO GUST

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WE ARE.....

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Follow us @gust_official

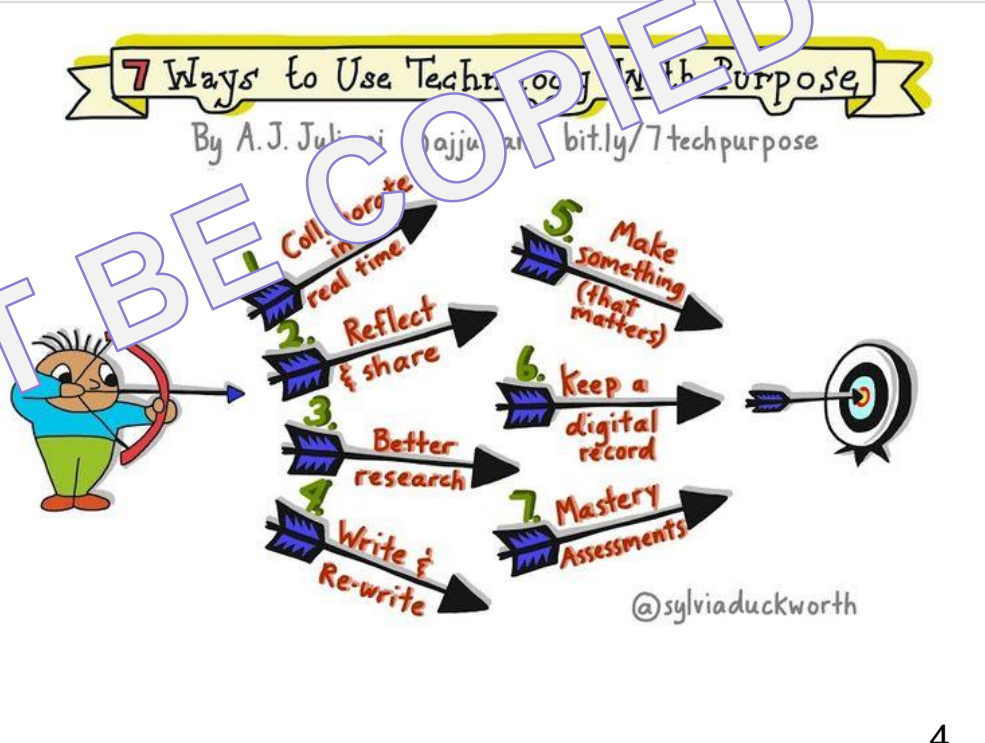


S

6 Keys for Technology as a Lever Purpose, Pedagogy, Planning, Preparation, Practice, Patience



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EXPRESS YOURSELF

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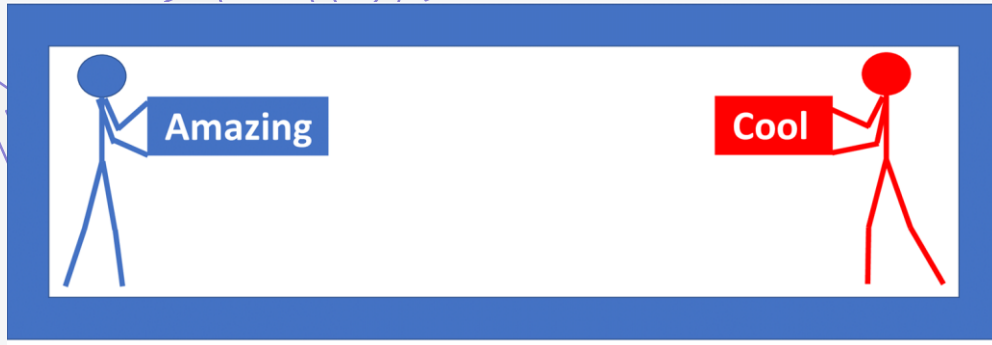
Technology : Nearpod

ICEBREAKER - EXPRESS YOURSELF

<https://www.nearpod.com>

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EXAMPLES

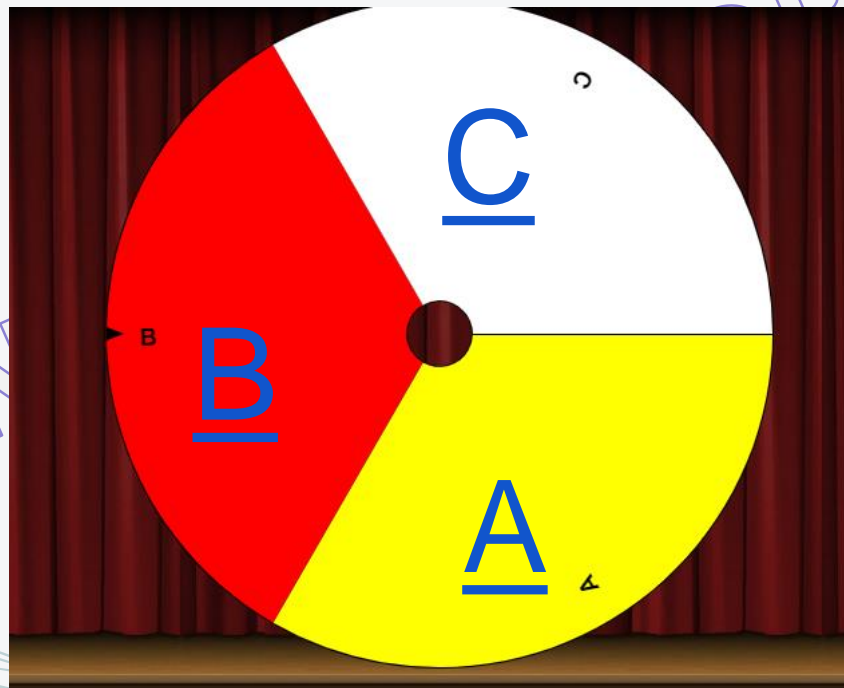


RIGHT OR WRONG

Technology : Name Spinner
QR Code
Padlet

SPIN FOR THE QUESTION

https://www.classtools.net/random-name-picker/4_TQcFPW



RIGHT OR WRONG?

10

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To access this padlet from your tablet or phone, scan this code from our mobile app.



https://padlet.com/caroline_shiny_2017/77i1t261qe57

FLIPPED OUT

Technology : ED Puzzle

H5P

Flipgrid

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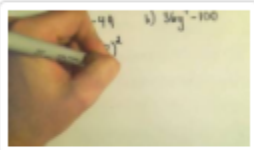
Edpuzzle

Make any video your lesson

Assignment

Due

Completed




Factoring the Difference of Two Squares -
Ex 1


Watch as a student | Allow Skipping | Delete

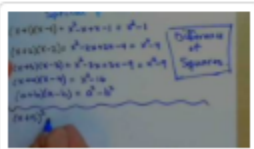


Add



 Progress

 Share




Special Products of Polynomials (Multiplying
polynomials special products)


Watch as a student | Allow Skipping | Delete



Add



 Progress

 Share




Simplifying Radicals (Radical Notation and
Simplifying Radicals)


Watch as a student | Allow Skipping | Delete



Add



 Progress

 Share




Exponents and Laws of Exponents
(Exponents Rules)


Watch as a student | Allow Skipping | Delete



Add



 Progress

 Share

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Creating Interactive Content With

H5P



@RichardColosi

H5P goes directly into your Grade Book of your LMS

Messages Caroline Flaherty

Home My Dashboard My Courses This course About Us E-HelpDesk Services FAQs Contact Us

Turn editing on

Homework		Quizzes							
Surname	First name	H5P bonus quiz 11: finding ...	H5P Quiz 10: Reading domain and ...	quiz 8 solving quadratics	H5P qu Finding	quiz 6 polynomials	Quiz 4 exponents		
[Redacted]		46.00 (NP)	0.00	10.00	0.00	10.00	10.00	8.33	
[Redacted]		51.00 (NP)	0.00	10.00	0.00	10.00	10.00	1.67	
[Redacted]	A	40.00 (NP)	0.00	1.00	6.67	10.00	8.33		
[Redacted]		20.00 (NP)	0.00	10.00	3.00	10.00	8.00	0.00	
[Redacted]		0.00 (NP)	0.00	0.00	0.00	0.00	0.00	0.00	
[Redacted]		56.00 (NP)	10.00	10.00	3.00	6.67	10.00	0.00	
ALABD		2.00 (P/C)	10.00	10.00	3.00	10.00	10.00	10.00	
[Redacted]		20.00 (NP)	0.00	10.00	2.00	10.00	6.00	10.00	
[Redacted]		21.00 (NP)	0.00	10.00	2.00	0.00	8.00	8.33	
[Redacted]		0.00 (NP)	0.00	10.00	4.00	10.00	10.00	9.00	
[Redacted]		60.00 (NP)	0.00	0.00	4.00	10.00	10.00	10.00	
[Redacted]		41.00 (NP)	0.00	10.00	3.00	0.00	10.00	8.33	
Overall average		42.53 (NP)	2.11	7.78	2.44	6.32	8.32	6.18	

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WE WANT TO HEAR YOU ON FLIPGRID





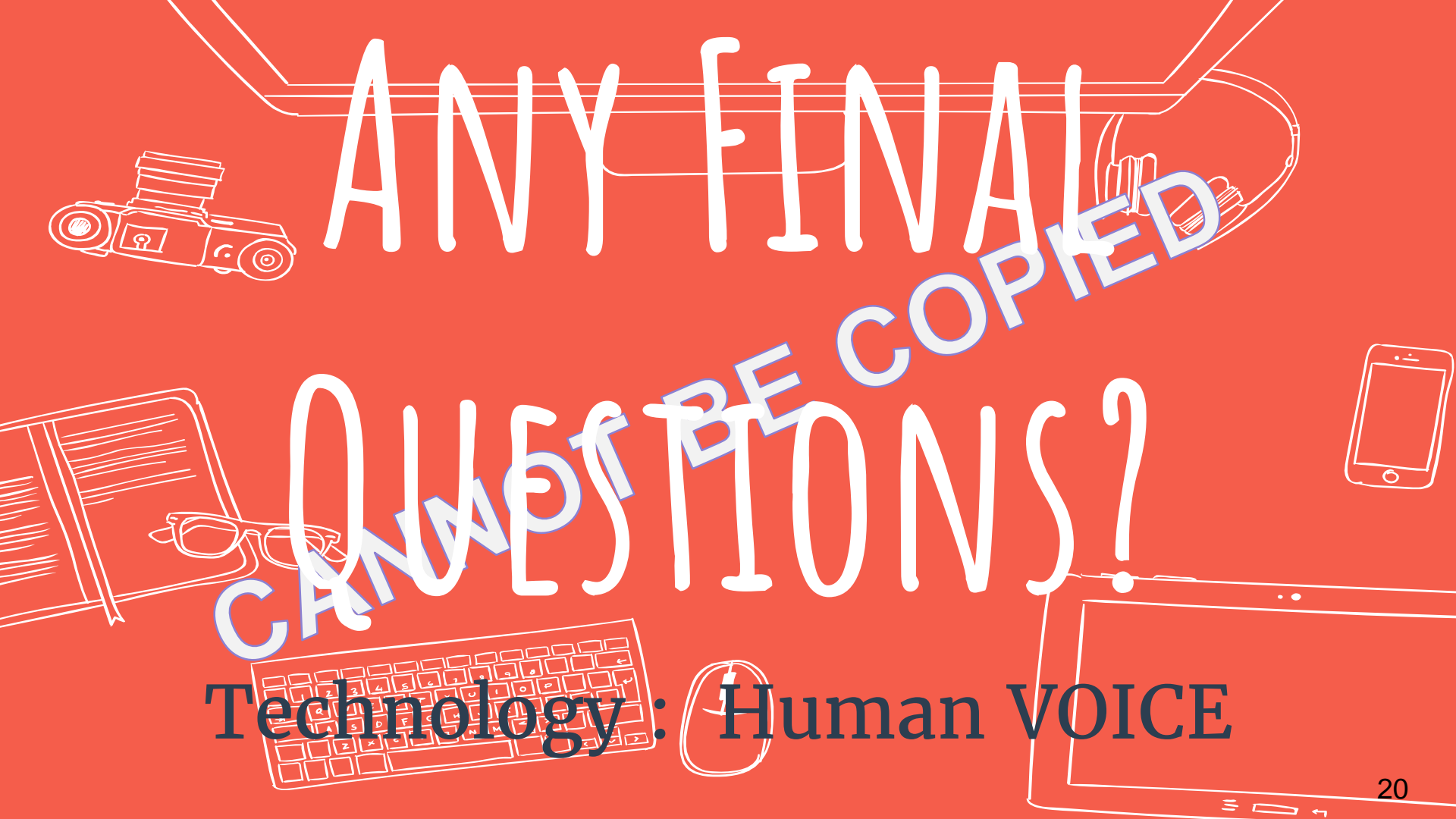
GAMIFICATION

Technology : Kahoot



WHO GIVES A "HOOT" TO KAHOOT?

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ANY FINAL

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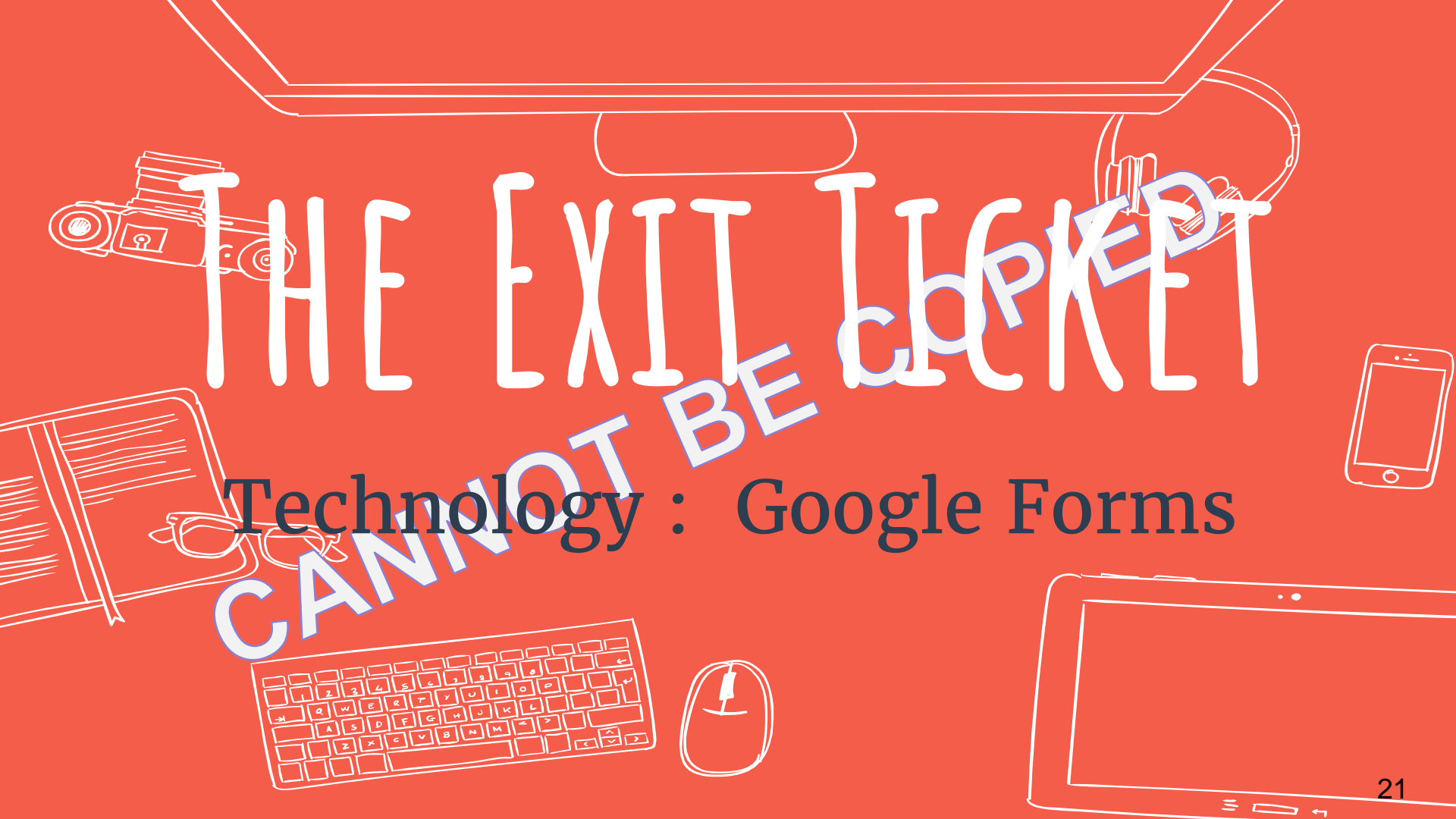
QUESTIONS?

Technology : Human VOICE

THE EXIT TICKET

Technology : Google Forms

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WE LOVE YOUR FEEDBACK





THANK YOU



A

Simplifying expressions
Simplify the following:

$$2a - 3b - 4a + 5b + 3a$$

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$$= 2a - 4a - 3a + 3b + 5b$$

$$= a + 8b$$



B

Order of Operations

Simplify the following:

$$2 + 6 \cdot 3 \div 9 - 3$$

$$8 \cdot 3 \div 6$$

$$8 \cdot 2$$

$$16$$


C

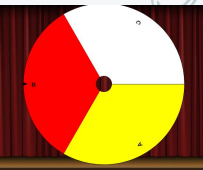
Word
Problem

Five friends went to the library to work on a group project. 2 friends spent 90 minutes each at the library while 3 friends spent 3 hours each at the library. What is the total number of hours that the friends worked on the project?

$$2 \times 90 = 180$$

$$3 \times 3 = 9$$

$$\text{Total} = 180 + 9 = 189 \text{ minutes} = 189/60 = 3.15 \text{ hours.}$$





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