
@MathletePearce (7) www.tapintoteenminds.com @JustinLevack

## Agenda

- Sign-In and Welcome
- Analyze \& Submit Cycle 4 Data
- Jigsaw - Share-Out With Other Groups
- Break
- EQAO Test Deconstruction and Data Analysis
- Lunch
- Learning Goals and Task Redesign
- Break
- Team Consolidation and Next Steps
- Goodbyes
@ MathletePearce www.tapintoteenminds.com @ustinLevack

Theory of Action

Effective Teaching Practice


Transformational Technology Use

## Increased Student Success

## Professional Learning Cycle Through Collaborative Inquiry




## Monitoring Progress

$35 \%$ of over 2500 students showed improvement.


functional improvement


## Monitoring Progress

59\% of students below level 2 showed improvement.

## REFLECT




## Monitoring Progress

## Monitoring Progress

Marker Student Full Level Changes

@MathletePearce @www.tapintoteenminds.com @ustinLevack
Marker Student Changes in Student Achievement

$6.5 \%$ Increase $\quad \begin{aligned} & \text { No Change } \\ & \square\end{aligned}$


REFLECT

@MathletePearce
www.tapintoteenminds.com
@ustinLevack

## Team Jigsaw

- Number your team from one (1) to $\qquad$
- Go to your table number.
- Each participant will have 3-5 minutes to share:
- Student learning need and changes in practice,
- Successes/Failures/Key Learning.
- Then, share-out with your own team.


## BREAK

## EQAO Test Deconstruction

## Academic

Grade 9 Assessment of Mathematics 2013
neleased asstssment ouestions


@MathletePearce www.tapintoteenminds.com @ @ustinLevack

## EQAO Test

 DeconstructionEducation Quality and Accountability Office


## EQAO Test Deconstruction



- With an elbow partner from your team, look at Grade 9 EQAO Released Assessment Questions for Applied and/or Academic.
- Identify questions that you believe would be a struggle for your marker students.
- Discuss strategies that could help a struggling student answer the question.
- Feel free to attempt these problems.
- Look For:
- Unfamiliar terminology / wording
- Unfamiliar topics
- Tasks related to the student learning need in your classroom
WRITE ON THE TEST


## EQAO School Data: Making Predictions <br> Education Quality and Accountability Office

- Prior to looking at your school specific EQAO Data, select five (5) former students and make predictions for their:
- Grade 9 EQAO Result, and
- Grade 9 Overall Course Mark.
- How close was your prediction?
@MathletePearce
www.tapintoteenminds.com
@ @ustinLevack


## LUNCH



## EQAO School Data: Analyse Data

- What does the data tell you about the student learning needs in your school? ... classroom?
- Does the data support the student learning need selected for your collaborative inquiry question?
- Should the focus of your inquiry be:
- ... more specific?
- ... less specific?
( ) MathletePearce www.tapintoteenminds.com @ustinLevack

Snipping Straws


## Snipping Straws



How long is your piece of snipped straw?

TapintoTeenMinds.com

Cookie Cutter

@MathletePearce
© ) wwwtapintoteenminds.com

## Cookie Cutter


@Mathletepearce wwwtapintoteenminds.com


## Cookie Cutter



## $A=\pi r^{2}$

## Why do we need $\pi$ ?

$$
A=\pi r^{2}
$$

## Why do we need $\pi ?$

Discuss \& Explore With A Partner
@MathletePearce www.tapintoteenminds.com @ustinLevack

@MathletePearce www.tapintoteenminds.com @ustinLevack

Why do we need $\pi$ ?

$$
\mathrm{A}=\pi \mathrm{r}^{2}
$$



Wonderings:
What percentage of the square is green?

What percentage is purple?

Why do we need $\pi$ ?

$$
A=\pi r^{2}
$$

DOES A RELATIONSHIP EXIST?


## Why do we need $\pi$ ?

$$
A=\pi r^{2}
$$


@MathletePearce www.tapintoteenminds.com @ustinLevack

Why do we need $\pi ?$

$$
A=\pi r^{2}
$$



How Does This Proportion Relate to $\pi$ ?

$$
\begin{aligned}
& A=(4.25)^{2}(0.785) 4 \\
& A=(4.25)^{2}(3.14) \\
& A=\pi(4.25)^{2}
\end{aligned}
$$

## Why do we need $\pi$ ?

$$
A=\pi r^{2}
$$

What percentage of the square is green?

What percentage is purple?
@MathletePearce www.tapintoteenminds.com @JustinLevack

Why do we need $\pi$ ?

$$
A=\pi r^{2}
$$



## Why Area?




Grade 7:
Number Sense and Numeration


## Curriculum Expectation:

Demonstrate an understanding of rate as a comparison, or ratio, of two measurements with different units (e.g., speed is a rate that compares distance to time and that can be expressed as kilometres per hour);
expressed as kilometres per hour);

@MathletePearce $@$ www.tapintoteenminds.com @ustinLevack

Taco Cart - Act 1


## Grade 7: Number Sense and Numeration



Task Redesign and Strategies:

- What does the task look like?
- Can we make it visual?
- Does it have a low floor to provide an entry point for all learners?
- Does it have a high ceiling offering opportunities to extend concepts?
@MathletePearce @ww.tapintoteenminds.com @ustinLevack

Taco Cart - Act 2


Taco Cart - Act 3


What information do we need?
Speeds


Peurle
ben $\frac{275.3}{60} \quad \frac{324.5}{60} \quad 5.41 \mathrm{~m}$

$$
a^{2}+b^{2}=c^{2}
$$

$325.6^{2}+562.6^{2}=c^{2}$
$106015.36+31651 s .76=c^{2}$
$422534.12=c^{2}$
$650.026 \div 2=325.013$

$$
325.6 \div 2=162.8
$$

$562.6 \div 5=112.52$
$650.026=c$
$162.8+112.52=275.32$



## Pythagorean <br> Theorem

## Next Steps



- What are next steps for you and your MYCI Team as we begin planning for next year?
- If your school becomes MYCI "Alumni" in September, what can you do as a team to continue the collaboration amongst your team?
- How can Justin or Kyle help you and your team continue the momentum?

```
3) @MathletePearce www.tapintoteenminds.com @JustinLevack
```


## Exit Survey <br> - Slides From Learning Fair Also Available <br> EXII

## http://kylep.ca/lfair

- All Team Members Should Complete the Exit Survey

Thank YOU for another great year!


Justin Levack
E-Learning Contact
!ustin.Levack@publicboard.c
@JustinLevack

Kyle Pearce
MYCI Project Lead
Kyle.Pearce@publicboard.ca @MathletePearce
@ MathletePearce @ww.tapintoteenminds.com @JustinLevack

