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IFD Planning Guide
(Math, Science, and Social Studies)


## Planning Guide with the Performance Assessments



## Planning Guide with the Performance Assessments



## Sample Timeline



| 5 mins. block of time <br> State the learning <br> and language <br> objectives | 5 mins. block of time <br> Problem of the Day <br> Engage: Video, Rap <br> Song, Fluency Activ. |
| :--- | :--- |

[^0]| 5 mins. block of time |
| :--- | :--- |
| Review \& Reteach |
| TEKS or subskills not |
| mastered |
| Check for knowledge |
| transfer |$\quad$| 5 mins. block of time |
| :--- |$\quad$| Lesson Closure |
| :--- |
| Review Learning |
| Objectives |
| Exit Ticket |



## Planning Guide with the Performance Assessments



| Haberman's | Those unique educators distinguish |
| :---: | :---: |
| Characteristics of | themselves by their --- persistence. |
| Successful | --- physical and |
| Teachers in | emotional stamina. |
|  | --- caring relationships |
| High-Poverty | with students. |
| Schools | --- commitment to |
|  | acknowledging and |
| Haberman spelled out | appreciating student |
| some of the tools of an | effort. |
| effective teacher in a | --- willingness to admit |
| hard-to-staff school. | mistakes. |
| hard-to-staff school. | --- focus on in-depth |
|  | learning. |

--- commitment to inclusion.
--- organizational skills.

In addition, successful teachers in highpoverty schools
--- protect student
learning.
--- translate theory and research into practice.
--- cope with the bureaucracy.
--- create student ownership.
--- engage parents and caregivers as partners in student learning.
--- support
accountability for at-
risk students' learning.

## Basic formula skill set

- Find the circumference of a circle that has a radius of 10.5 inches. (Use $\pi=3.14$ )

A $\quad 13.64 \mathrm{in}$.
B $\quad 32.97$ in.
C 65.94 in .
D 165.94 in .


## Applying formula skill sets

- The circumference of a circle is approximately 11.5 cm . What would the diameter of the circle? ( $\pi$ $=22 / 7$ )
- A $\quad 1.83 \mathrm{~cm}$.
- B $\quad 3.66 \mathrm{~cm}$.
- C 5.75 cm .
- D 23 cm .



## Transfer of skill set

2 An observatory is shaped like a cylinder standing on one of its bases with a dome on top. The diameter of the floor of the observatory is 64 feet, as shown in the diagram.


Which measurement is closest to the circumference of the base of the observatory in feet?
F $\quad 200.96 \mathrm{ft}$
G $3,215.36 \mathrm{ft}$
H 100.48 ft
J 401.92 ft

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## STAAR Items in A Box



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STAAR REPORTING CATEGORY 2: COMPUTATIONS AND ALGEBRA:


## Some things to think about

-Why do some students fail to perform on my assessments?

- Some of my students succeed on day to day lessons and activities but can't seem to remember or apply instructional strategies on a long term basis
- What kind of instructional adjustment can I make?
- What kind of assessment strategies or tools can I use?


## Students failure to perform



## Structuring Student Thinking

- What are some things I can do to help all students apply the strategies \& skills sets that I've been teaching?
- Providing supports (Hint Cards, Tips, Mnemonics)
- Provide support cues \& mini titles on initial assessments for instructional purposes
- Use formative assessment to monitor student learning


## A volume problem

Martha is filling an aquarium with water. The aquarium has a rectangular base that measures 6 feet by $21 / 2 \mathrm{ft}$. If the height of the aquarium is $31 / 4 \mathrm{ft}$ what is the volume of the aquarium when it is only half full?
A) $\mathbf{4 5}$ cubic feet
B) $221 / 2$ cubic feet
C) $153 / 4$ cubic feet
D) $\mathbf{1 0}$ cubic feet

## Hint cards

Hint Card \#1
Draw and label the
following shape

Hint Card \#2

$$
1 / 2=.50
$$

$$
3 / 4=.75
$$

Hint Card \#3
Use the formula $V=\mathrm{B} \times \mathrm{h}$
Or

$$
V=(I)(w)(h)
$$

Hint Card \#4
Change fractions to decimals to make the problem easier

Tips and mnemonics


Unit 2: Ordering Fractions, Decimals, and Integers



## Tips and mnemonics



Unit 6: Equivalent Expressions and One-Variable Equations

\begin{tabular}{|c|}
\hline  <br>

\hline \begin{tabular}{l}
Prime \& Composite

<br>
Prime <br>
(2) 6 Factorization <br>
(2) (2) 3
\end{tabular} <br>

\hline  <br>

\hline | Expressions vs Equations |
| :--- |
|  | <br>

\hline Simplify and Solve

$$
\begin{aligned}
& 3 x+5)-2 x+4)^{8} \\
& 3 x-2 x \quad+5+4 \\
& 1 x \rightarrow x+x+9 \quad 9
\end{aligned}
$$ <br>

\hline If You See $\rightarrow$ you Do $x+2=1=6$ addation $\rightarrow$ Subtraction $\quad-2$ - -2 Subtraction $\rightarrow$ addition $\quad x=14$ Multipication $\rightarrow$ Disision $2 . \frac{x}{2}^{x}=10-2$ Division $\rightarrow$ Multipication <br>
\hline
\end{tabular}

Tips and mnemonics


## Tips and mnemonics

## DR IDI OXY



## Support cues on initial tests



## Mini titles on assessments

## Compare \& order rational numbers

2 The areas of three circles are shown.


Which list shows the circles in order from greatest area to least area?
A Circle $Z$, circle $Y$, circle $X$
B Circle $Y$, circle $Z$, circle $X$
C Circle $X$, circle $Z$, circle $Y$
D Circle $X$, circle $Y$, circle $Z$

## Mini titles on assessments

Calculator problem

7 Which equation can be used to describe the relationship between $x$ and $y$ shown in the graph below?


A $y=3 x+2$
B $y=-3 x-6$
C $y=3 x-6$
D $y=-3 x+2$

## Mini titles on assessments

Pythagorean Theorem
Pythagorean Theorem: $a^{2}+b^{2}=c^{2}$

16 Which measurements could not represent the side lengths of a right triangle?
A $6 \mathrm{~cm}, 8 \mathrm{~cm}, 10 \mathrm{~cm}$
B $12 \mathrm{~cm}, 35 \mathrm{~cm}, 37 \mathrm{~cm}$
C $4 \mathrm{~cm}, 6 \mathrm{~cm}, 10 \mathrm{~cm}$
D $10 \mathrm{~cm}, 24 \mathrm{~cm}, 26 \mathrm{~cm}$

## 6.2(B) identify a number, its opposite, and its absolute value; Supporting Standard




Alsorithm [the calculation]

What do you know?

What do you need to know?

What else do you know?

Is your answer reasonable?





| 1) |  |  |
| :---: | :---: | :---: |
|  | Open a new document | - "7) Open a new calculator page |
|  |  | I . and enter the fraction and add a |
|  | CTRL + | - I decimal to a digit to display in |
| 2) | Open a new Spread |  |
|  | Sheet | - ${ }^{\text {decimal form }}$ |
| I 3) | Go to the top Cell (A) and | . 1 |
|  | input $X$ | 1. |
| I 4) | Enter the data (numbers) | : 1 |
| 1 | in the spread sheet | . |
| - | (Column A) | 1. |
| I 5) | Scroll to the top \& tab | $\cdots$ |
|  | over to (Cell B) | 1. |
| - 6) | In the first entry line (1) | $1!$ |
| I | type the following | - I |
|  | formula $=$ mean $(\mid x-$ | I |
| ! | mean (x)\|) and presss | I |
| I | enter (the solution | . 1 |
| ' | will be in fraction form) | I |
| I |  | -1 |
| ' |  | I |
| I |  | -1 |
|  |  | 1. |
| . |  | 1 |
|  | - . - |  |




1) Press Home
2) Press new doc
3) New Calc
4) Press on the content tab
5) Press on the small calc icon under the content tab
6) Select "Enter press to Test" or Exit Press
to Test




| 1) Press Home |
| :--- |
| 2) Press New Doc |
| 3) New Calc Page |
| 4) Ctrl Z - Undo |
| 5) Ctrl Y - Redo |
| 6) Ctrl W - Del. Pgs |
| 7) Ctrl C - Copy |
| 8) Ctrl V - Paste |
| 9) Ctrl Enter - Dec. |
| Format |




[^0]:    ## 10 mins. block of time

    ## Model POD problems

    Spiral Reviews
    Introduce Math Concept \& Skills
    Model Problems in Journals
    Partner Pair Practice

