## "Strategic Scheduling"



## elping students Help themselves Succeed

To better reach the Determination stage of the Aspirations Model by scheduling meaningful courses for the 2015-16 school year, which are relevant to my graduation map, postsecondary Education and Career Action Plan (ECAP), and curiosity.


## Postsecondary

## Education and Career Action Planning!

## Quaglia Institute



Imagination: Sets goals Determination: Sets for the future but does not put forth the effort to reach those goals.
goals for the future and puts forth effort in the present to reach those goals.
Perspiration: Works hard in the present, but has no goals for the future.

## Key ECAP Student Qut are your future career plans?

2) What are your postsecondary education plan that will allow you to reach your future career goals?
3) What are you doing now to prepare yourself to successfully complete your postsecondary educational needs and reach your future career ambitions?

4) Discover your Element (Sir Ken Robinson)... Natural Aptitudes $\leftrightarrow$ Personal Passions
5) Career Pathways (Future Goals)...
A) What jobs align with your Element?
B) What postsecondary education, training, skill-sets, and credentials are required to enter jobs related to your Element?
6) Present Efforts...
A) HHS strategic course-curriculum scheduling B) Co-curricular and outside of school activities

## is the harbinger/precursor of learning and intellectual growth!



## HHS

## Graduation

## Requirements



## How many total

 you need to graduate high school in the state of Arizona?

## " 22 "



# How many do you need for high school graduation? 




## What is the highest lev

## math you need in order

to graduate from high school in the state of Arizona?

$$
\begin{gathered}
\int \frac{x+5}{x^{2}-2 x-3} d x \\
\frac{5}{-3} d x-\int \frac{x^{2}-3}{}+\int x-\int \frac{1}{x+1} \\
-\ln (x-3)-\ln (x) \\
-\ln \frac{(x+3)^{2}}{x+1}+c
\end{gathered}
$$

## ranced Algebra" or an equivalency

$$
\begin{gathered}
\int \frac{x+5}{x^{2}-2 x-3} d x \\
\frac{5}{-3} d x-\int \frac{1}{x} \frac{2}{3} d x-\int \frac{1}{x+1} \\
=2 \ln (x-3)-\ln (x \\
-\ln \frac{(x-3)^{2}}{x+1}+C
\end{gathered}
$$

## HHS Advanced Algebra equivalency...

"Topics"


## What

 correct?A) Pre-Alg $\rightarrow$ Geom $\rightarrow$ Alg II $\rightarrow$ Trig B) Alg $\rightarrow$ Geom $\rightarrow$ Alg II $\rightarrow$ Trig C) Pre-Alg $\rightarrow$ Alg $\rightarrow$ Trig $\rightarrow$ Calculus
D) Geom $\rightarrow$ Alg II $\rightarrow$ Trig $\rightarrow$ Calculus
E) Pre-Alg $\rightarrow$ Alg $\rightarrow$ Geom $\rightarrow$ Alg II
F) Alg $\rightarrow$ Trig $\rightarrow$ Geom $\rightarrow$ Alg II

B) "Alg $\rightarrow$ Geom $\rightarrow$ Alg II $\rightarrow$ Trig"
D) "Geom $\rightarrow$ Alg II $\rightarrow$ Trig $\rightarrow$ Calculıs
E) "Pre-Alg $\rightarrow \mathrm{Alg} \rightarrow$ Geom $\rightarrow \mathrm{Alg} \mathrm{II"}$

How would you use your ECAP to select a meaningful sequence?


## What other academic discipline requires 4-credits in order to graduate high school?



## "English"



## What two academic disciplines require

 3-credits to graduate high school?

## cience" \& "Social Studie



What is the first science course you take at HHS? Match the visuals and clarify each science subject matter. How would you apply your ECAP in deciding what science courses to take?
A) General Biology
B) Physical Science
C) Earth Science
D) General Chemistry
E) Advanced Biology Botany or Zoology
F) Anatomy \& Physiology
G) Advanced Chemistry
H) Physics

## What other academic

discipline is linked to

## success in science?



## "Math" $\leftarrow \rightarrow$ Science



## success in Physical Science or

## as a sophomore! It is also

a prerequisite!! (Along with passing General Biology.)
*Some of you struggling in math might not want to take a science during your sophomore year. The addition of World History will be tough enough!
**Sophomores taking Trigonometry may enroll in Physics.

## Math-Science Scheduling Flow Chart Examples

"Non-math/science related ECAP"

| Grade Level | Math | Science |
| :---: | :---: | :---: |
| $9^{\text {th }}$ | Pre Algebra | No Science |
| $10^{\text {th }}$ | Algebra | General Biology |
| $11^{\text {th }}$ | Geometry | Physical Science |
| $12^{\text {th }}$ | Adv Alg/Topics | Earth Science |

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| $\mathbf{1 1}^{\text {th }}$ | Advanced Algebra | 1. Chemistry <br> 2. ECAP related <br> science course |
| $1 \mathbf{1 2}^{\text {th }}$ | Trigonometry | ECAP related <br> science course |

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| $\mathbf{1 2}^{\text {th }}$ | Calculus | ECAP related <br> science course |

## What are the four social studies

urses you take to graduate from high school? *What grade level do you take each course at HHS? What two courses are semester

## credit) based?



orld History-
eography"

"U.S./AZ History" *11th
"U.S./AZ
Government"

* $12{ }^{\text {th }}$

"Economics"
.5 semester
.5 semester


# 4 math + <br> 4 English + <br> 3 science + 



3 social studies credits $=14$ credits
*What are two other graduation
uirements at HHS?

## (. 5 sem.) AND "P.E." (. 5 sem.) credit



TE" or "Fine Art" credit


## +6 elective credits =



## Required high school credits for enrollment into a

 in the state of Arizona:- 4 credits of English
- 4 credits of Math with Algebra being
the lowest (must matriculate to
lrigonometry)
- 3 credits of Lab Science (Phy. Sci. is not a lab science)
- 3 credits of Social Studies
- 2 credits of a Second Language
- 1 credit of a Fine Art



## iomore CTE Foundation Courses at HHS/

## NPC dual enrollment maximum credit opportunities

-Automotive Repair (Mr. McPherson)
-Business (Mr. Madison)
-Child Development/24-credits (Mrs. Carlson)
-Computer Aided Drafting/24-credits (Mr. Mendell)

- Construction (Mr. Tubbs)
-Multi Media/12-credits (Mrs. Novell)
*Certificate of Proficiency in Graphic Design- 18 credits with 2-period block
-Robotics/g-credits (Mrs. Novell)
-Welding/14-credits (Mr. Larsen)
*What do these real-world career courses relate to and what are some ways you can creatively these courses via your ECAP?


## Fine Arts Courses at HHS

- Drama
-Beginning Art; Ceramics/Painting; Art History; and AP Studio Art (Mr. Hawk)
-Concert-Marching Band; Movin; and Piano (Mrs. Meeks)
-Pride, Select and Show Choirs (Mr. Gardner)
-Fusion; Fuse; and Guitar (Mr. Obren)




## Creative ways to leverage CTE, fine arts, and academic plines at HHS...


"Engineer": Calculus + Physics + CAD + Robotics!

(Northern Arizona Vocational Institute of Technology). NAVIT is a career and technical education program that is partnered with Northland Pioneer College. These programs provide career training at a college level and the students that participate earn college credit and in some cases state and national certifications/credentials.

You can apply for the NAVIT programs toward the end of sophomore year as long as you meet the following criteria:
-Have a minimum 2.0 GPA
-Have a good attendance and tardy record
-Have a good discipline record (no less than 70 points)
-Are on track to graduate (not failing any core requirement classes)
*Some of the programs do have other qualifying requirements per N.P.C.

Certified Nursing Assistant (1 sem. program offered senior year; 12 college credits).

- Construction Technology (4 semester program; 48 college credits).
- Cosmetology (4 semester program; 40 college credits).
*Education Profession (2 semester program new in 2014-15; 20 coll. cr.)
-Fire Science ( 2 semester program offered senior year; 30 college credits).
Industrial Maintenance and Operations (4 semester program; 48 college credits).
*Mechatronics (4 semester program new in 2014-15; 44 college credits).
- Medical Assistant (4 semester program; 48 college credits).
-Welding ( 4 semester program; 56 college credits).
*How could you leverage/parlay NAVIT training and credentials to facilitate vertical postsecondary and career movement or to financially support other career pursuits?


## HHS Dual Enrollment offerings:

- English 12 (freshman college English 101/102 6-credits)
- rigonometry (college Adv. Alg. 152 3-credits and college pre-calculus 189 3-credits)
Ilculus (college Calculus 8-credits)
avajo I (4 college language credits) and Navajo II
(4 college language credits)



## Other important information and resources:

Students are strongly encouraged to take the (pre-ACT assessment) during their sophomore year; the PSAT (National Merit Scholarship candidates) and (especially if interested in the military) during their junior year; begin taking the ACT college entrance exam during junior year; and complete the during January of their senior year. Students are also strongly encouraged to explore the s course offered at HHS, utilize the as a valuable personal resource (see Mrs.
White), and contact Ms. Percy regarding

