

High School Career Pathway Programs: Rationale, Design, and Future Planning



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Community Demographics:

Upper Bucks County, rural district

101- square miles

33.9% have at least a Bachelor's degree

\$69,021 median household income



Student Demographics:

1526 student enrollment (598 high school)

92.6% white

19.8% economically disadvantaged

.1 English language learners

14.1% special education

73.6 Post secondary

3.3 Military

14 Workforce



AUDIENCE MEMBERS...

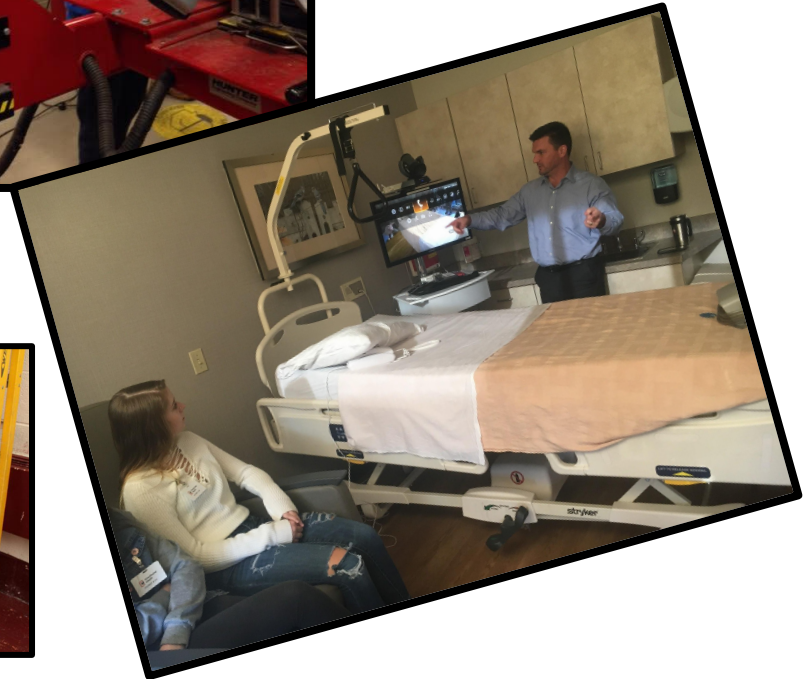


Presentation format

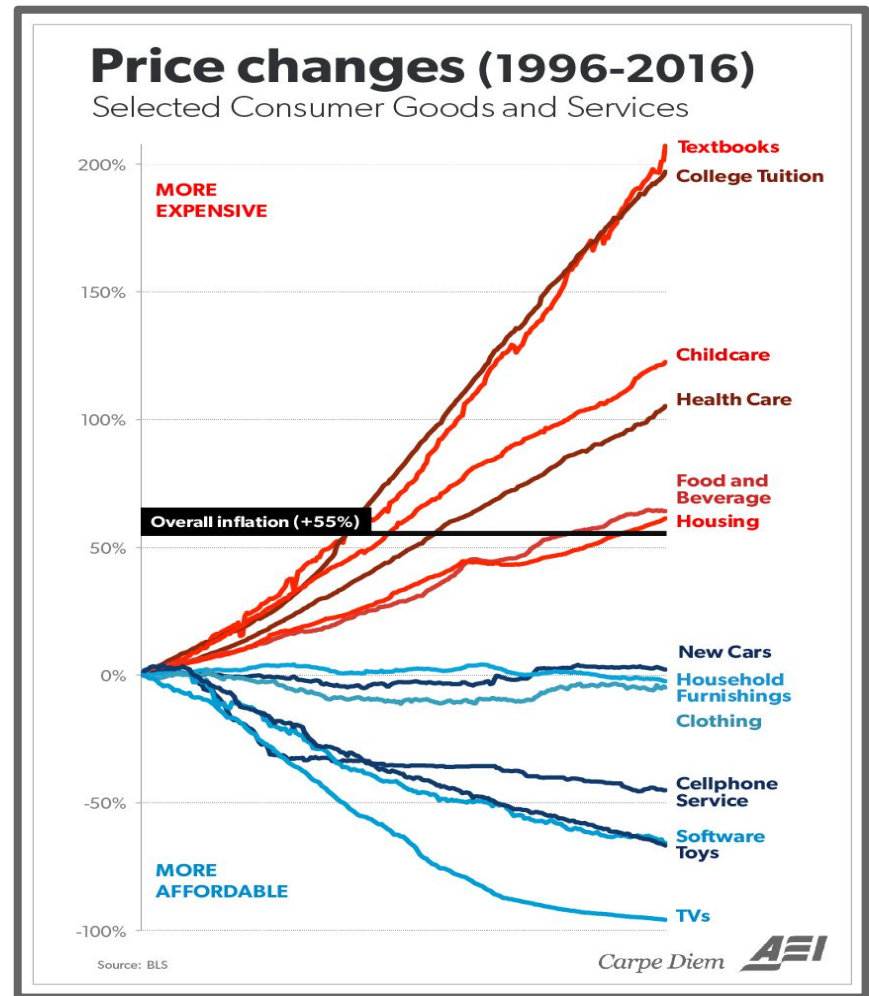
1. Rationale for creating pathways
 2. Design
 - a. Common pathway goals
 - b. Pathway highlight
 - c. College Partnerships
 3. Related coursework/assessment
 4. Future planning
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Rationale for creating pathways

1. Labor market needs skilled employees
2. Rigor, Relevance and Relationships
3. And because PA is #1 in the nation in...



Rationale for creating pathways



Pathway Offerings



Medical Career Pathways (2006)

Business Career Pathways (2014)

Global Studies Pathway (2017)

Engineering/Design Pathway (2018)

Education Pathway (2019)

Design: Common Pathway Goals

Each *pathway* involves 4 areas of focus:

- **Prerequisites & Corequisites** are required courses that are necessary to qualify for most post-secondary programs.
- **Required Courses** are key courses that anyone considering a career in that particular field should take.
- **Electives** are a selection of courses that offer a breadth of experience offering additional opportunities in the content area as well as other diverse courses that will increase a student's skill set as they pursue their interests
- **Field experience** vary depending on the availability of local partners.

Design: Common Pathway Goals

To complete a *pathway*, students will:

- interact with industry professionals.
- complete a 20-hour field experience.
- meet with the Pathway Board (internal and external representatives) to discuss and reflect upon their learning and experiences.

Pathway Highlights



Medical Career Pathways

[video](#)



Medical Career Pathways

Prerequisites & Corequisites (alternative courses may be used in specific circumstances)

Algebra I-1 (Proficient on Keystones)

Biology 1 (Proficient on Keystones)

Chemistry I

Physics I or AP Physics 1

Required Courses (3 credits)	Electives (4 credits minimum)
Anatomy & Physiology	AP Biology or Chemistry II or AP Chemistry or Anatomy & Physiology II (if not listed above)
<u>One of the following 4:</u> AP Biology or Chemistry II or AP Chemistry or Anatomy & Physiology II	Physics II
Stat or AP Stat	Accounting I
	Business Concepts
	Dual enrollment course(s) with prior approval (must pass placement testing in reading, math, and writing)
	World Language level IV or above
	Calculus or AP Calculus
	MOOC related to science/medicine (approval of Science Department Head necessary)

Field Experience

First Aid / CPR / AED Certification

Prior to senior year: Job shadow experience of student's choice (2 different providers for a total of at least 10 hours)

Senior year: St. Luke's field experience or other experience approved by Science Department Chair (20 hours minimum)

Business Career Pathways

Accounting and Finance

Business Concepts	0.5
Accounting 1	0.5
Financial Literacy	0.5
Accounting 2	0.5
Economics (Online or Class)	1
Marketing	0.5
Entrepreneurship	1
Business Seminar	0.5

Choose (2) Credit	
MOOC*	1
MOOC*	0.5
Intro Stats or AP Stats	1
Business College course or AP Calculus	1
Quick Book Certification – Independent	1

*Credits vary depending on length of MOOC course

Total Credits **7**

Field Experience (20 hours) (PFEW)
Certificate issued at completion
Portfolio Presentation with Advisory Board
Recommended FBLA Membership

Marketing and Media

Business Concepts	0.5
TV/Video 1	1
Marketing	0.5
MMC	0.5
TV/Video 2	1
Entrepreneurship	1
Business Seminar	0.5

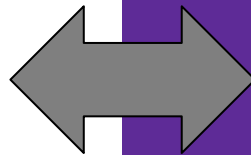
Choose (2) Credit	
TV/Video 3	1
Computer Science (Google or Microsoft)	0.5
Yearbook Independent Study or Drawing and Painting	0.5
Graphic Communication	1
MOOC	0.5
College Course or AP English or AP Language	1
Journalism	0.5

Total Credits **7**

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Recommended FBLA Membership



College Partnerships



Medical Career Pathways (2006)

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Engineering/Design Pathway
(2018)

Education Pathway (2019)

Related Coursework/Assessment

Financial Literacy:

- Graduation requirement beginning with current freshman class
- Budget includes a new business education teacher
- Planning team has involved: teachers, Board members, local business owners, Penn Community Bank, insurance brokers, Federal Reserve bank, etc.
- Incorporate financial plan for post-secondary into portfolio process

Challenge: gathering data on Palisades specific debt data to determine impact of a financial literacy course and if it has an impact in upcoming years.

Writing:

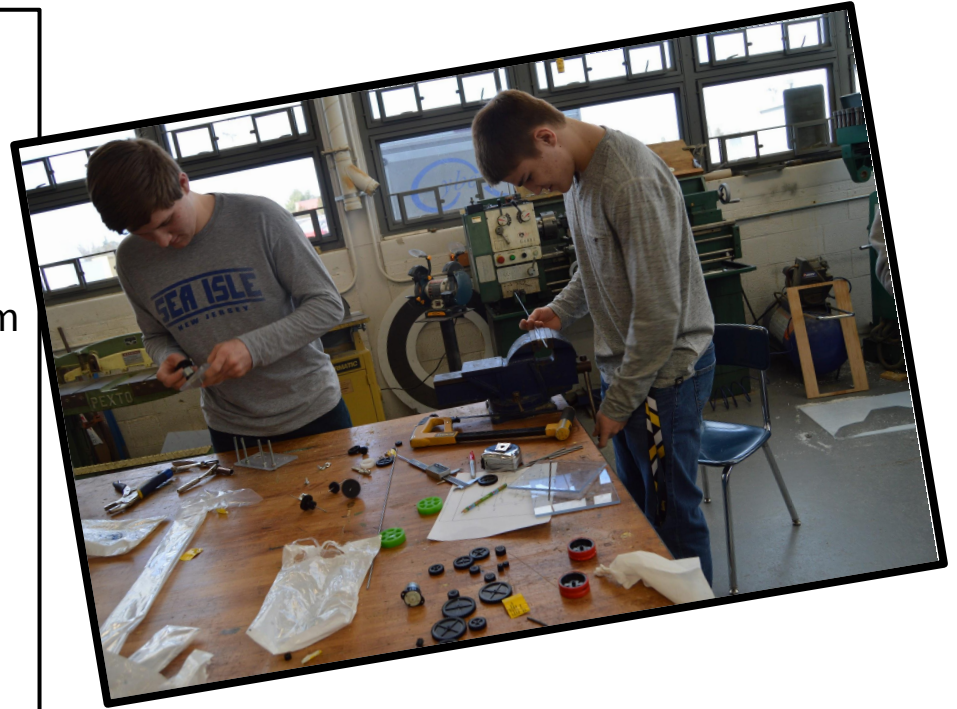
- Area in which students most often needed to take as non-credit college course
- Administration of WritePlacer assessment to juniors and seniors completing their 1st semester social studies course
- Data analysis will help inform our review of our writing curriculum

Video



Future Planning...

- Examine our enrollment trends for which students are enrolling in pathways and CTE
 - Currently only $\frac{1}{3}$ of our students are enrolled in a pathway program
- Identify industry certifications for each pathway...otherwise rename to cluster
- Engage our young alumni to talk with students about their career path



Future Planning...

- Develop and implement additional pathways based on:
 - Research current majors with high return on investment
 - Research current majors with lowest return on investment
 - Community resources/partnership development to support pathway



Additional
Questions...

