

MINI-SUMMIT I: Medical Homes and the Primary Care Workforce

> Building a Vision, Creating a Pipeline

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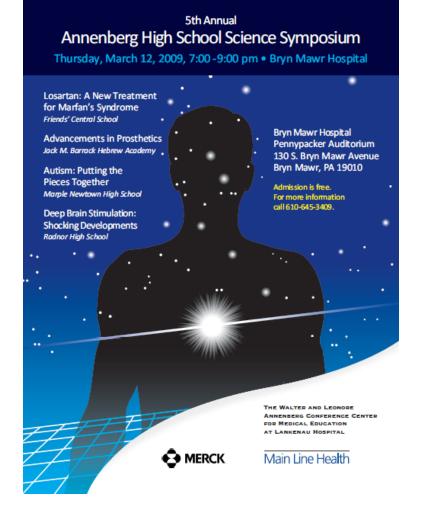
Health Career Academy

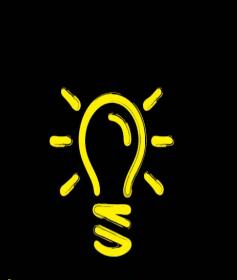
The Health Career Academy- Why are we here?

• First step in pipeline to the workforce



Outreach: Annenberg Science Symposia







THE TENTH ANNUAL ANNENBERG HIGH SCHOOL SCIENCE SYMPOSIUM

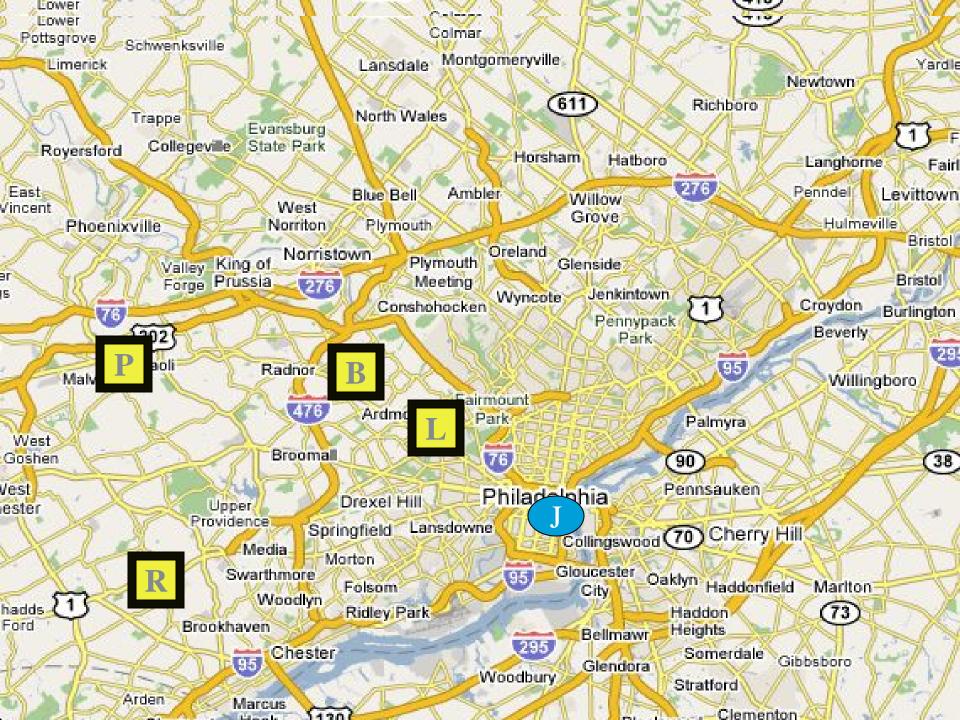


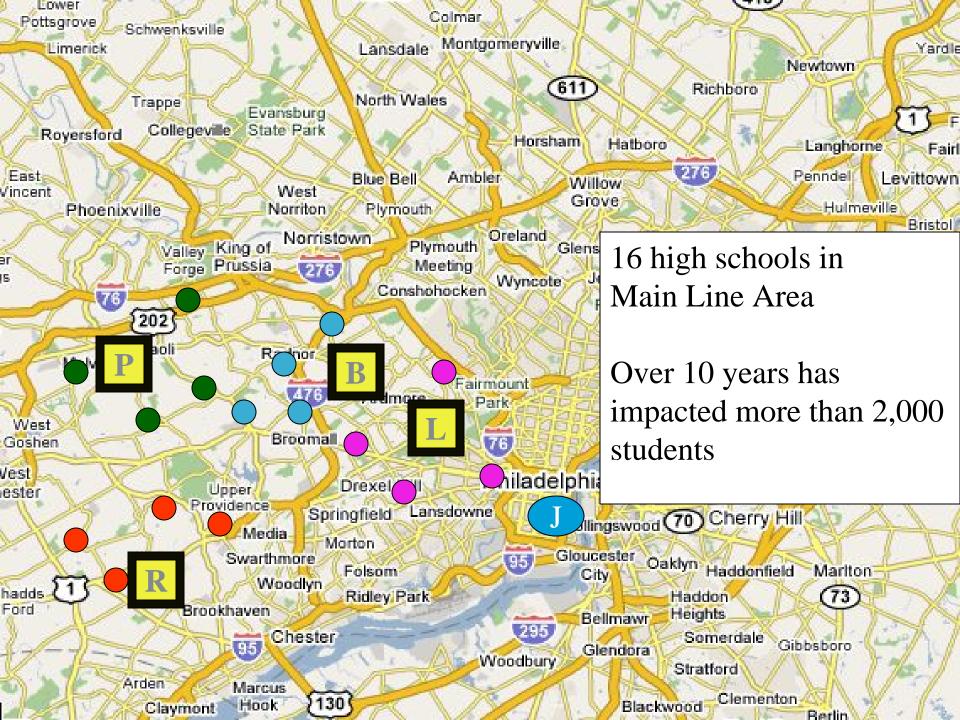
Symposium Elements

- Research a Topic
- Link with Hospital Liaison
- Present
 - Didactic
 - Creative Arts
 - Ethical
- Principles

Collaboration (as opposed to individual achievement)







Need for a "different" type of Science Symposium

- We are Main Line Health
- We are situated in Philadelphia's "Main Line"
- We have tax dollars for good schools
- We tried to link to City Schools
- We realized after 2 years of city school participation that public school kids in the city had different needs.



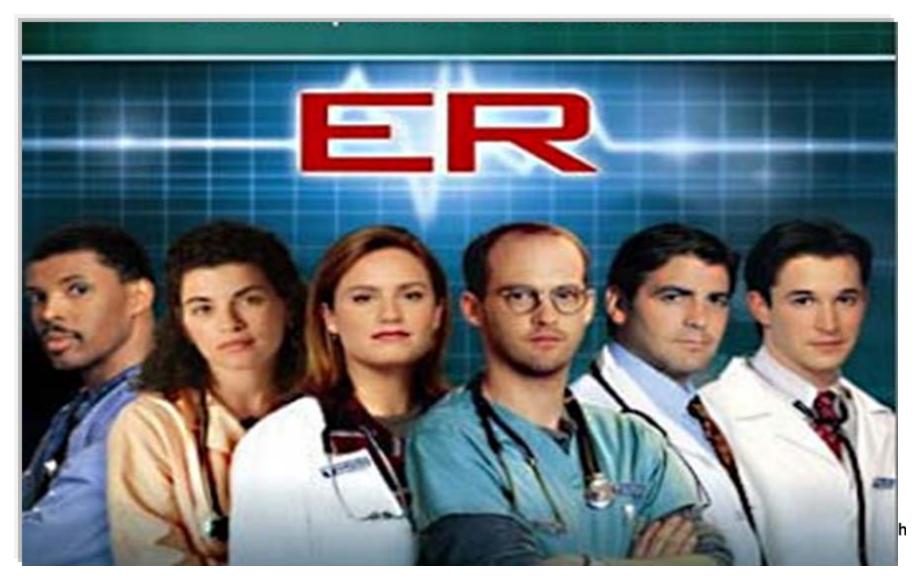


Building a Vision, Creating a Pipeline

Health Career Academy

COMMUNICATION • COLLABORATION • CRITICAL THINKING

The hook



Health Career Academy — Background (ER @myhealthacademy video)

• <u>http://link.videoplatform.limelight.com/media/?mediaId=52ccb9180095442082eaec</u> a0d26a218d&width=480&height=321&playerForm=Player

https://vimeo.com/88027502



A Vision and a Pipeline







Main Line Health Well ahead.*

A Vision and a Pipeline

Connections established:

- Lankenau Medical Center/PCOM Overbrook High School
- Temple Univ. School Of Medicine Lincoln High School
- Jefferson Medical College Chester High School
- Drexel Univ. School of Medicine M. L. King High School

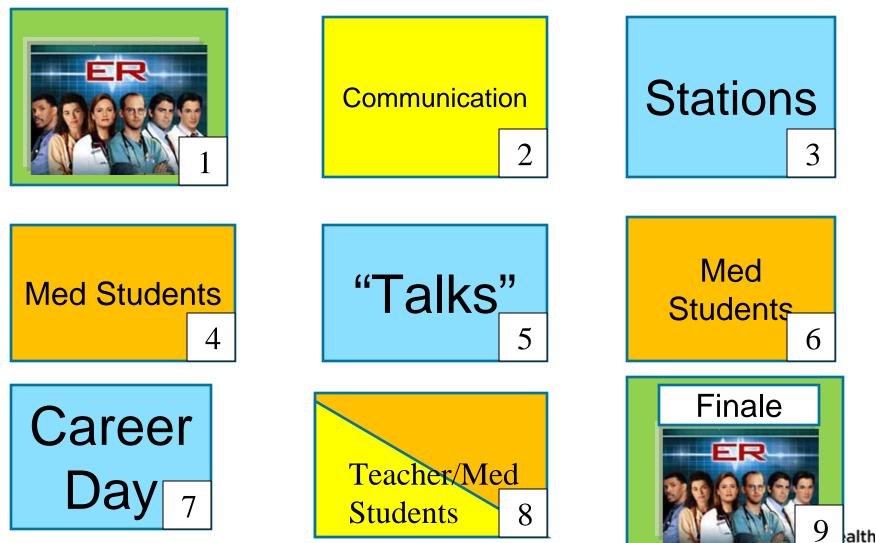


Health Career Academy

- Challenges
 - Dropout rate ~ 40%
 - Lack of material resources
- Goals
 - Engage and motivate
 - Connect human and material resources
 - Relationships
- Educational Principles
 - Experiential Learning
 - Modeling and Mentoring



10th grade curriculum



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10th Grade Examples

- 10th grade activity at Overbrook
- <u>http://link.videoplatform.limelight.com/media/?mediaId=ec65a7c9ef534996966ba3963b66d6cb&width=480&height=321</u> <u>&playerForm=Player</u>
- <u>https://vimeo.com/88028938</u>
- Health Career Academy Choices (10 grade discussions)
- <u>http://link.videoplatform.limelight.com/media/?mediald=576a0475b5b94c5fa10b82f3e3d1060b&width=480&height=321&playerForm=Player</u>
- •
- <u>https://vimeo.com/88027430</u>



Health Career Academy

- Nutrition/Obesity/Diabetes
- Hypertension/Heart Disease
- •HIV/STIs
- Cancer Screening
- Trauma and Violence Prevention



Health Career Academy

- Logistical Ease
 - -for Medical Students
- Flexibility
 - -for School and Class



Health Career Academy

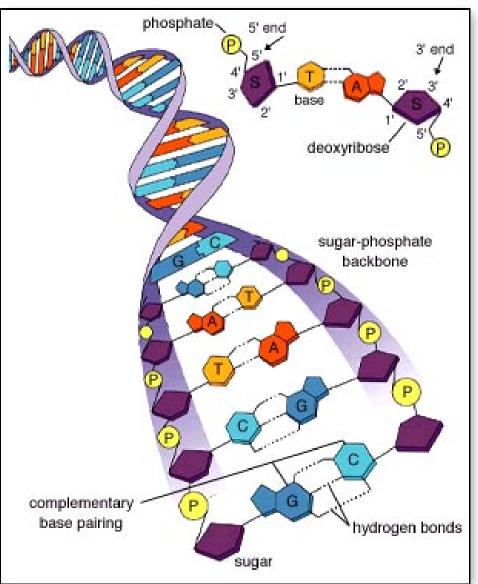
- Goals
 - Sophisticated medical science and public health concepts
 - Demonstrate excitement of student presenters

Challenges

- Minimal Science Background and Language
- Educational Principles
 - Engagement



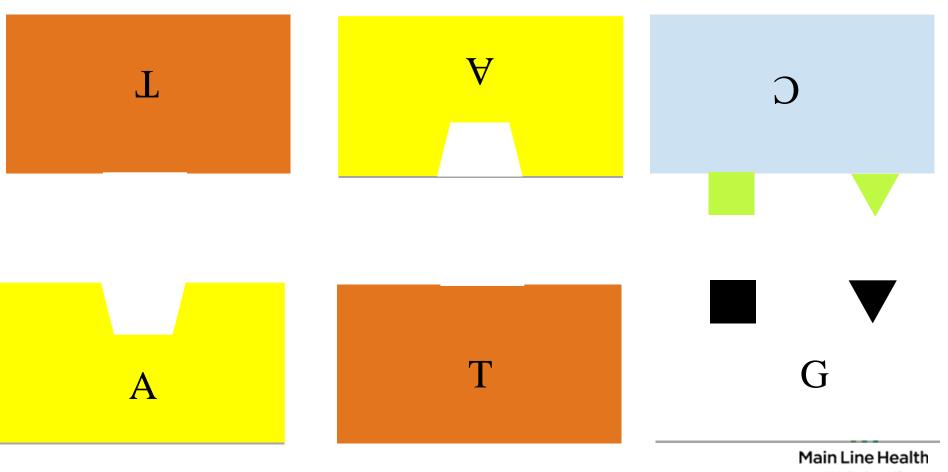
DNA



- DNA = alphabet
 4 "letters"
- nucleotide bases
 - A = adenine
 - C = cytosine
 - **G** = guanine
 - **T** = thymine

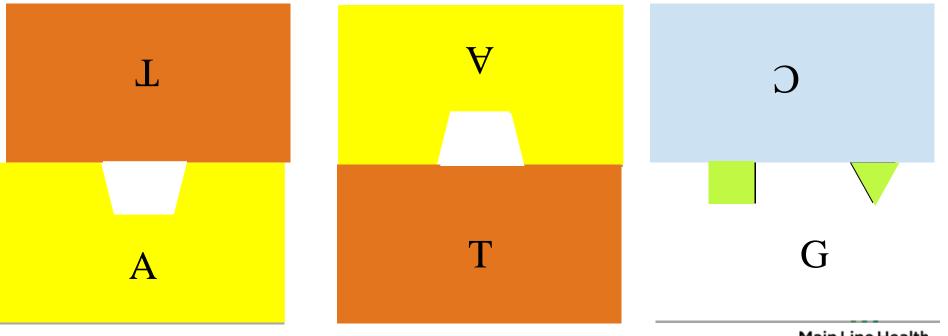






Well ahead."

Replication (Separation)



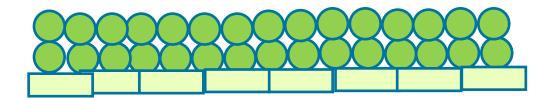
Main Line Health Well ahead.*

Matching base-pairs: $A \leftarrow \rightarrow T$, $C \leftarrow \rightarrow G$



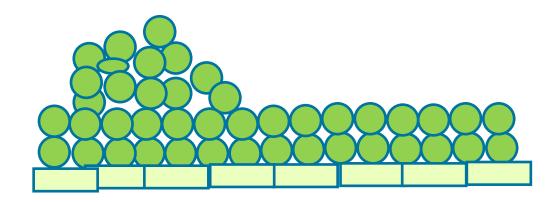


NORMAL LINING



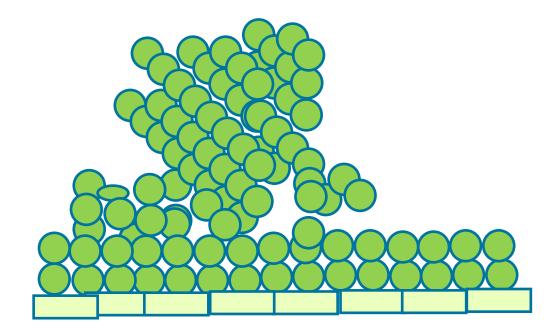


Beginnings of Overgrowth



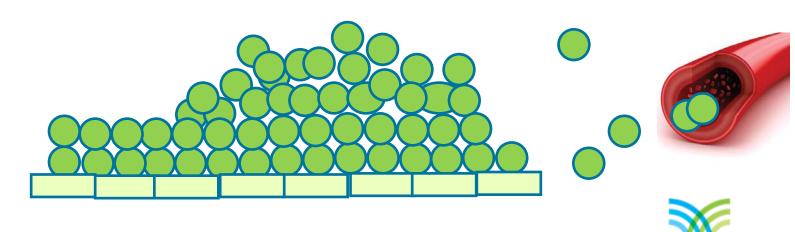


More Overgrowth = Tumor





How Metastasis Happens



Main Line Health Well ahead.*

Health Career Academy 11th grade examples

- 11th grade modules: cancer and nutrition
- <u>http://link.videoplatform.limelight.com/media/?mediald=99d41e26</u> 22ac4de48925019919fe1cd6&width=480&height=321&playerFor <u>m=Player</u>

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https://vimeo.com/88029043



Health Career Academy

- Challenges
 - Are they there?
 - Post-high school envisioning developing the pipeline
- Goals
 - "Ambassadorship to community"
- Educational Principles

- Community Based Participatory Research



Community Health → Needs Assessment

Health Fair



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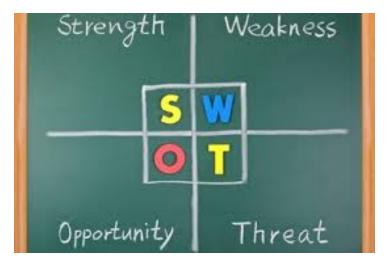
Begin with a school health SWOT analysis



Well ahead

Research health fair 'how-to' and conduct community health SWOT analysis.







What are the community resources? Opportunity to interact with adults









The Health Fair!





Health Career Academy

The Health Career Academy's valuable attributes:

- Significance
- Scalability
- Sustainability





Thank you!