Pittsburgh Science & Technology Academy





cover

Sam Franklin Pittsburgh Public Schools February, 2009



From research to reality

Original research by 10 graduate students at Heinz College

250 students admitted to the Academy in grades 6-9

Seven advisory committees and input from more than 250 individuals

> September, 2009

August, 2006

Review of secondary sources, site visits, benchmarking, community forums, and parent focus groups Nearly \$3 million in support from local foundations including Buhl, DSF, and US Steel

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Schooled

Lessons from opening a new urban academy

- About the Academy
- Key accomplishments
- Lessons about project management
- Lessons about other stuff

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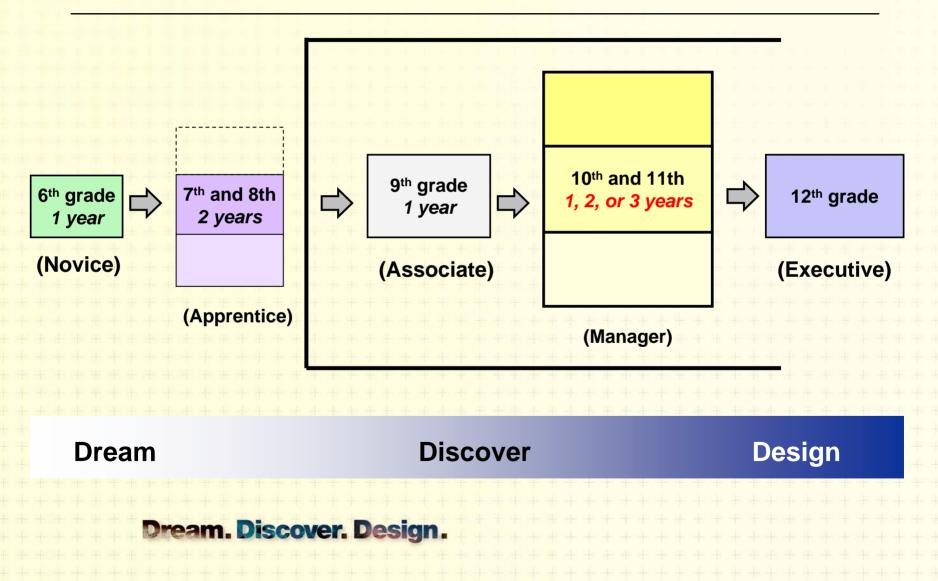
A new way to think about school

- Every day opportunities to Dream. Discover. Design.
- Extraordinary support systems
- Four custom-designed academic focus areas
- Special advanced courses for a unique honors diploma

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Students may complete the upper levels of the program in three, four, or five years





Key accomplishments

- Integrated a middle school program
- Obtained Board approval for key innovations
- Negotiated MOU with teachers' union
- Implemented a new system for magnet school admissions
- Created a new approach to high school science
- Developed curriculum through a wiki site
- Raised nearly \$3 million to help with start-up costs
- Hired principal and project assistant one year early
- Recruited and admitted a diverse group of students



Lessons about project management

Vision	Process		
A bold, well articulated goal	Adequate time and capacity		
Evidence of demand	Defined tasks and due dates		
· * * * * * * * * * * * * * * * * * * *	Budget		
Relationships	Crisis Management		
Support of key influencers	++++++++++++++++++++++++++++++++++++++		
People like you and want to help	• * • • • * * * * * • • * • * * * * * * * * * * * 		
Ideas and input are included	<mark>+ * + * + * + * + * + * + * + * + * + *</mark>		
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Lessons about other stuff

- Embrace navigational leadership
- Include outside expertise
- Be pragmatic
- Finish
- Perceive possibilities





Schools have failed to keep up with a changing society

	1900	2009
Economy	Mix of skilled and unskilled professions	Mostly skilled professions, especially at a family wage
Society	Social inequality, especially by race and gender	Progress towards social equality
Technology	I don't know	Computers
Schools	Sorting mechanism	Sorting mechanism