AMAYS: Acquainting Metro Atlanta Youth With STEM

NSF ITEST project #1433280

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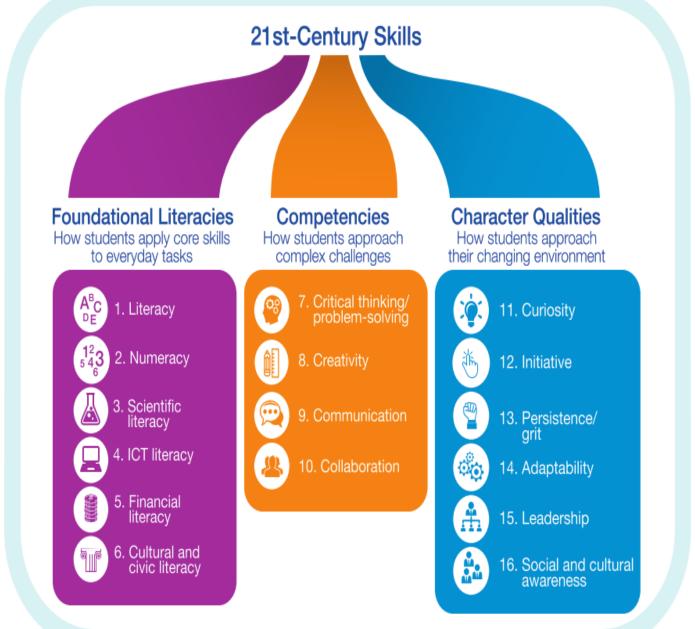


What is AMAYS?

AMAYS is:

- an introduction to ICT professions and relevant 21st century skills.
- a program for After School All Stars students.
- a curriculum that is active, authentic & hands-on.



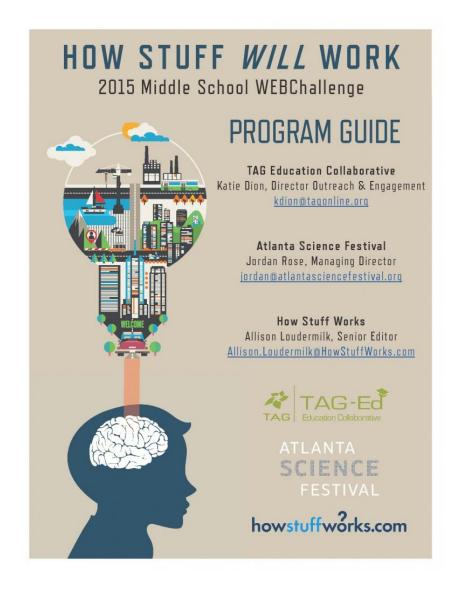


Lifelong Learning

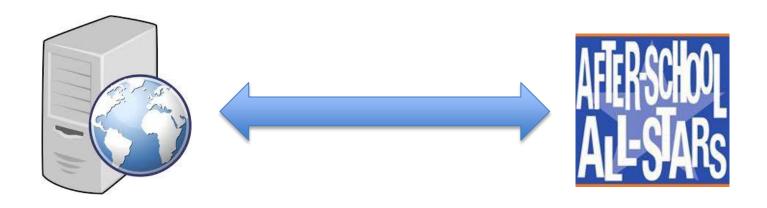
Who are After School All Stars?

- ASAS
 - non-profit organization
 - after-school & summer programs
 - 1000+ metro Atlanta children
 - Program model has been developed, tested, implemented, and replicated
 - comprehensive, fun, safe, and aimed at school/life success
- This project
 - 5 middle schools
 - Partnership history

What will students do?



Where will AMAYS take place?



AMAYS Proposed Timeline										
Project Activities	et Activities 2015/2016			2016/2017				2017/2018		
	FA	SP	SU	FA	SP	SU	FA	SP	SU	
Advisory board meeting	X			X			X			
Research team meeting	X	X	X	X	X	X	X	X	X	
Data management infrastructure in place	X									
ICT activities designed and developed (revised)	X	X				X				
Assessment items developed (revised)	X	X				X				
Teachers trained				X			X			
Volunteers identified			X			X				
CMS developed (revised)	X	X				X				
CMS tested		X								
CMS goes live				X						
Pilot Phase: participants recruited				X						
Pilot Phase: pretests conducted				X						
Pilot Phase: post-tests conducted					X					
Disseminate findings						X			X	
Implementation phase: participants recruited							X			
Implementation phase: pretests conducted							X			
Implementation phase: post-tests conducted								X		
Data organization & analysis						X	X	X	X	
TAG-Ed competition(s)						X	X		X	
External evaluator data collection	X	Х	X	X	X	X	Х	X	X	
External evaluator formative feedback	X	X	X	X	X	X	X	X	X	
External evaluator annual reports			X			X			X	
External evaluator final summative report									X	

Year 1: 2015/16

- Collect baseline data (front end analysis)
 - 1 school site
 - 100 student volunteers
 - 20 ASAS teachers
- Design and develop activities
- Plan program structure
- Develop web-based learning environment

Year 2: 2016/17

- Pilot test at 2 school sites
 - 40 student volunteers
 - 1 treatment group of 20 students and one control group of 20 students
- Collect assessment and evaluation data
- Revise curriculum, program and learning environment as necessary and based on findings

Year 3: 2017/18

- Implement AMAYS at 4 school sites
 - 160 of student volunteers
 - 80 treatment and 80 control
- Collect assessment and evaluation data
- Use reports to disseminate findings
- Use reports to apply for scale up

