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STEAM-H & Quality Programs

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STEAM-H & Quality Programs

Abstract

This presentation was given at the 2016 Virginia Partnership for Out-of-School Time.

Disciplines

Higher Education



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VIRGINIA COMMONWEALTH UNIVERSITY

Division of Community Engagement

Mary and Frances Youth Center

STEAM-H & Quality Programs

Alyssa King and Shekinah Mitchell

Housekeeping

- Cell Phones
- Bathrooms
- Take care of yourself (eat, drink, stretch etc.)
- Flashcards for questions
- Leave business cards



ICEBREAKER

STEAM-H AND Quality Programs

Offering Diverse Enrichment Programs



Learning Outcomes

Today we hope you will....

Understand the importance of **STEAM-H Programs**

Learn about the **Discovery program** including structure, budget, and instructor recruitment

Identify methods for recruiting **STEAM-H experts** as instructors and mentors

Establish role of **youth development experts** in program quality control

Learn to incorporate **youth development best practices** with outside instructors



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How

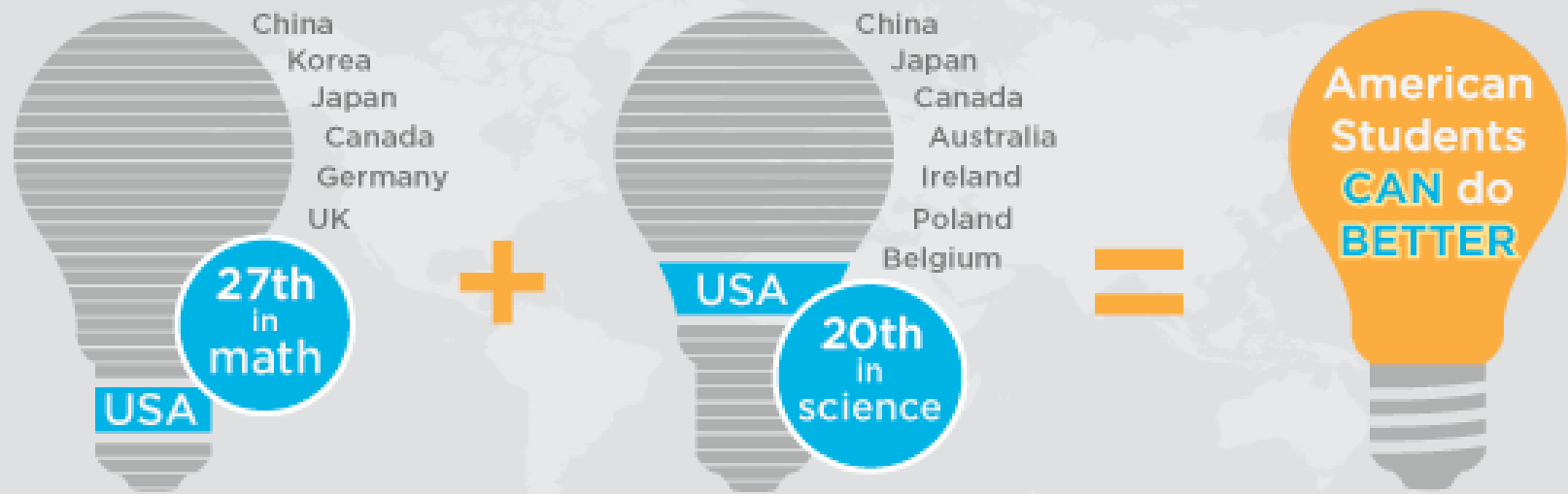
does this apply
to you?

We all want to provide our young people with quality, engaging, fun out-of-school time experiences. Even when we do not have the internal skillsets to offer diverse opportunities to youth, there is a way to meet the needs of youth.



WHY STEAM-H?

We face a shortage of workers and students proficient in math and science. Compared to their global peers, U.S. students recently finished...



Graphic taken from Nation Math+Science Initiative

WHY Middle school and summer



Why Middle School?

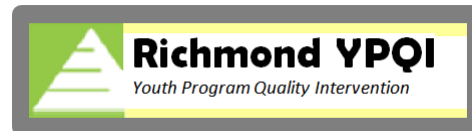
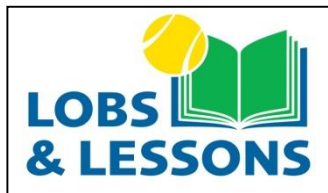
Why Summer?

Why Career Exploration
Focus?

MARY AND FRANCES YOUTH CENTER



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VCU Community Engagement

Discovery In a Nutshell

Discovery's vision is to provide a quality summer experience for diverse youth to learn on an urban campus, challenging and supporting them to Dream, Explore and Investigate.



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Discovery

In a Nutshell: Program Recipe

Youth Across the Richmond Region



VCU Faculty, Staff, Alumni and Students



Local teachers and other community members



Engaged and career conscious youth exploring STEAM-H careers through community – university partnership.



Discovery

In a Nutshell: Schedule

Class Schedule

August 1-5	August 8-12	August 15-19	August 22-26
9:00am – 12:00pm	9:00am – 12:00pm	9:00am – 12:00pm	9:00am – 12:00pm
Becoming Human Bring the Noise!	Funcounting: Accounting Made Fun! Project Write Now!	Fit for Life Trip to Italy	Animation, Science & Art Wild Science
12:30pm – 3:30pm	12:30pm – 3:30pm	12:30pm – 3:30pm	12:30pm – 3:30pm
Calling All Future Dietitians Rhythm Zone	Peculiar Painting Theatre Discovery	Spa Entrepreneurs Urban Planning & Murals	Explore Your Mind: Developmental Neuroscience X Factor
9:00am – 3:30pm	9:00am – 3:30pm	9:00am – 3:30pm	9:00am – 3:30pm
Adventures in Medical Careers Eco Adventure	Fundamentals of Game Creation Movie Making 101	Amphibian Ecology Marketing MIXtape	Culture, Cuisine and Cooking Comic Writers



Budget

- Revenue:
 - Fee to participate
 - Scholarships
- Expenses
 - Supplies
 - Staff
 - Instructors
 - Marketing
 - Transportation
 - Venue/classrooms



Recruitment

Create a Plan:

- **Program needs** and **course topics**
- **Proposal process**
- **Interest sessions** or open house events
- **Instructor resources** and information to website and published materials (ex: background check, applications)
- **Meetings** with potential instructors

Meeting with Instructors:

- **Benefits** of teaching a class
- **Pro-bono** instructors (identify stipend if possible)
- Gain **teaching experience**
- **Engage** with youth and share passion for STEAM-H
- Connect with the **community**



Discovery

RFP and Recruitment



Selecting Instructors

LESSONS LEARNED

Considerations:

- Experience with Youth
- Availability
- Subject matter experience
- References



Selecting Classes: LESSONS LEARNED

Considerations:

- Engaging, appropriate & fun
- Subject (including link to SOLs)
- Instructor is teaching pro-bono
- Meets program priorities (ex: career focus)
- Supplies and resources required



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Instructors

Now What?

- Communication plan and schedule
- Training and orientation
- Instructor contracts
- Syllabus review

*Syllabus can include: Supplies, transportation needs, daily plan for the class or workshop

Expertise

In Positive Youth Development

Controlling Program Outcomes:

- Structure of the program
- Clear expectations
- Observation of classes
- Proactive planning and training
- Final project/outcome for each class

Other Levels of Support:

Classroom support

Behavioral management

Evaluation & Feedback

1. Survey to instructors
2. Daily feedback from instructors
3. Survey to participants
4. Survey to parents/guardians
5. Sending feedback from students to instructors



Next Steps & Considerations

- What are your program priorities?
- Where are your experts?
- What resources will you need?
- What role will your staff play?
- How will you train your instructors?



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MARY AND FRANCES YOUTH CENTER



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