


# STEAM Programming for Diverse Populations



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TUESDAY JUNE 14, 2016  
AN INFOPEOPLE WEBINAR

| AMY KOESTER

## STEAM PROGRAMMING FOR DIVERSE POPULATIONS

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### HI, I'M AMY

- ▶ Youth & Family Program Supervisor, Skokie Public Library
- ▶ Author of ALSC's "Building STEAM with Dia" toolkit



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# STEAM Programming for Diverse Populations

**OUR AGENDA TODAY**

- ▶ STEAM and issues of equity
- ▶ STEAM Programs for Diverse Youth
- ▶ STEAM Programs for Diverse Teens
- ▶ Resources for Program Planning

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**WHAT IS STEAM?**

- ▶ Science, Technology, Engineering, Arts, & Math
- ▶ Late 1980s: Governors Education Summit
- ▶ 1990s: Goals 2000 Act
- ▶ 2000s: No Child Left Behind
- ▶ 2010s: NGSS & ESSA

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# STEAM Programming for Diverse Populations

**WHY STEAM IS AN EQUITY ISSUE**

- ▶ People of color are underrepresented in STEM fields.
- ▶ People of color are underrepresented in STEM education.
- ▶ People of color consistently score below white peers in STEM testing in schools.

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**IT'S ABOUT  
PREPARATION,  
ACCESS, &  
MOTIVATION.**

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**HOW DOES STEAM ALIGN WITH  
PROGRAMMING GOALS?**

**LITERACY, SCHOOL SUCCESS, &  
LIFELONG LEARNING**

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# STEAM Programming for Diverse Populations

**5 TIPS FOR GETTING STARTED**

- ▶ Build around diverse books & perspectives

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**5 TIPS FOR GETTING STARTED**

- ▶ Build around diverse books & perspectives
- ▶ Partner with professionals

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**5 TIPS FOR GETTING STARTED**

- ▶ Build around diverse books & perspectives
- ▶ Partner with professionals
- ▶ Make it hands-on

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# STEAM Programming for Diverse Populations

**5 TIPS FOR GETTING STARTED**

- ▶ Build around diverse books & perspectives
- ▶ Partner with professionals
- ▶ Make it hands-on
- ▶ Carve out space for ongoing engagement

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**5 TIPS FOR GETTING STARTED**

- ▶ Build around diverse books & perspectives
- ▶ Partner with professionals
- ▶ Make it hands-on
- ▶ Carve out space for ongoing engagement
- ▶ Bring a successful program to a new audience

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CONSIDER THE PATRONS WHO REGULARLY ATTEND YOUR PROGRAMS. CAN YOU IDENTIFY POPULATIONS YOUR LIBRARY SERVES WHO ARE NOT COMING TO TRADITIONAL PROGRAMS?

**POLL**

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# STEAM Programming for Diverse Populations



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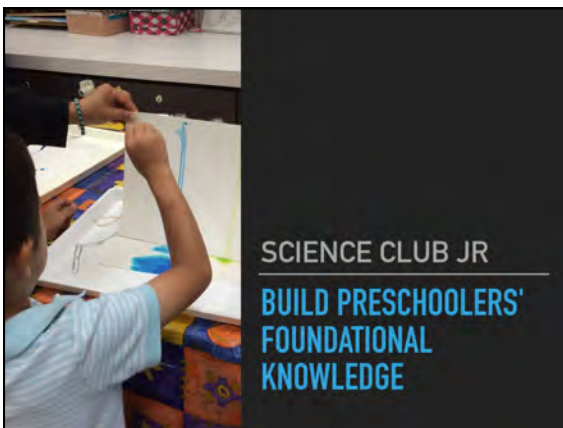
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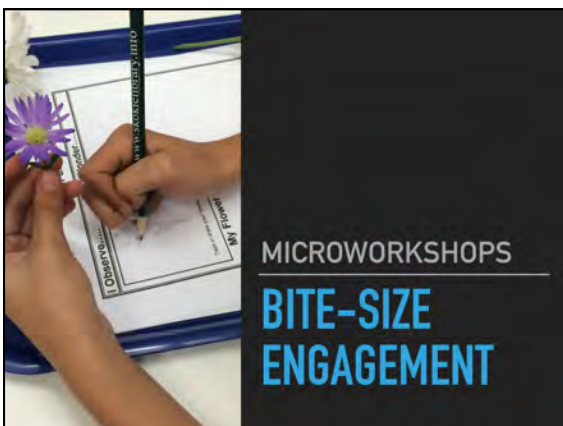
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# STEAM Programming for Diverse Populations



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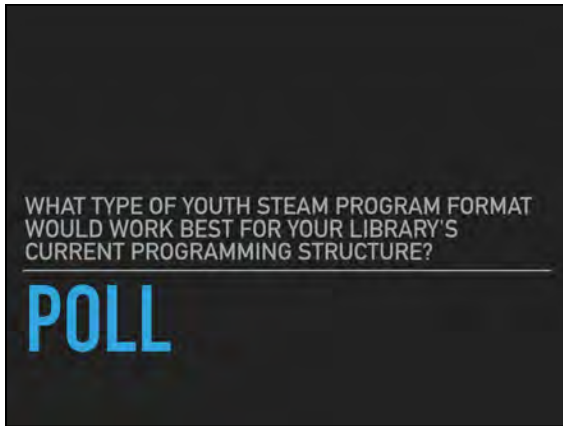
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# STEAM Programming for Diverse Populations



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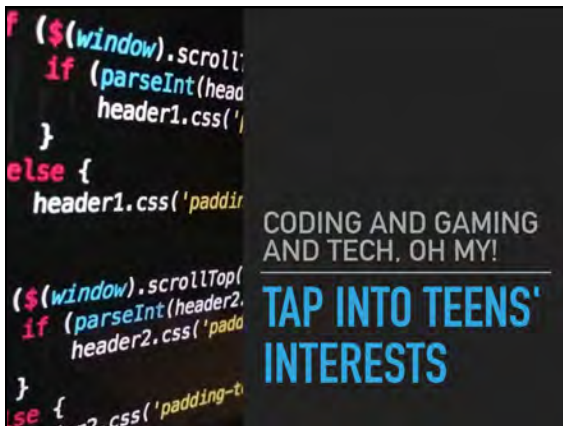
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# STEAM Programming for Diverse Populations



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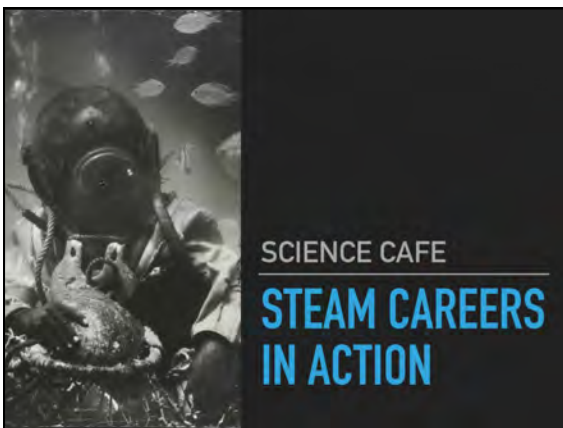
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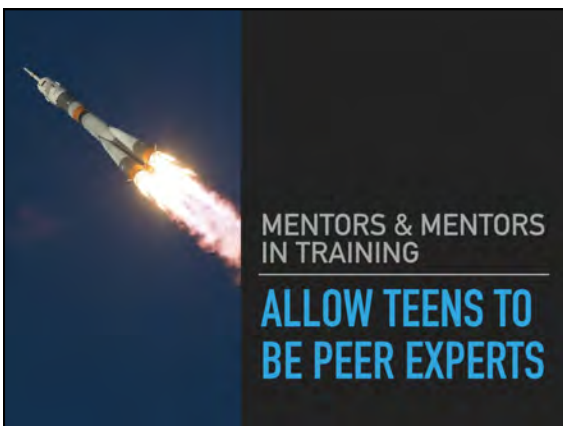
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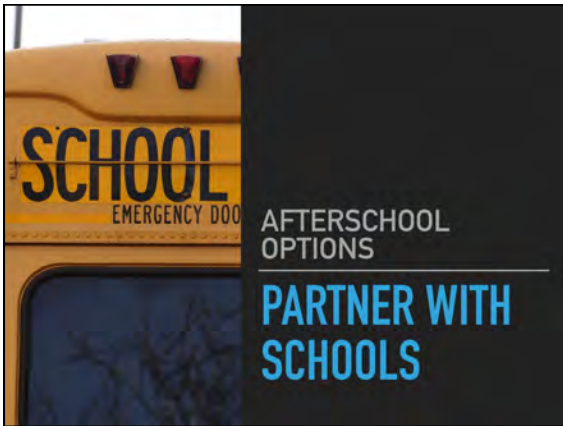
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# STEAM Programming for Diverse Populations



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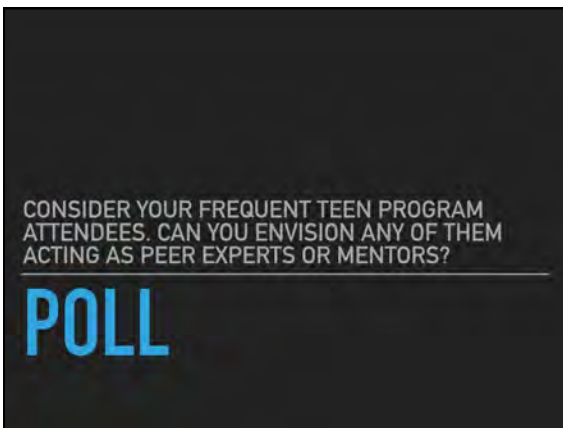
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# STEAM Programming for Diverse Populations

**PROGRAM-PLANNING RESOURCES**

- ▶ Library blogs
- ▶ "Building STEAM with Dia" toolkit
- ▶ National Geographic
- ▶ Zooniverse
- ▶ National Science Teachers Association

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**CONTACTS FOR COLLABORATION & SUPPORT**

- ▶ Your local schools
- ▶ Local universities
- ▶ STEAM professional organizations
- ▶ STEAM businesses
- ▶ Other area libraries

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CAN YOU THINK OF AN INDIVIDUAL IN YOUR COMMUNITY WITH WHOM YOU COULD PARTNER TO OFFER MORE DIVERSE STEAM PROGRAMMING?

**POLL**

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# STEAM Programming for Diverse Populations

## WRAPPING UP

- ▶ Make it participatory
- ▶ Make it motivating
- ▶ Highlight diversity
- ▶ Use all the resources
- ▶ Collaborate

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## QUESTIONS?

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- ▶ @amyeeleek
- ▶ [showmelibrarian.blogspot.com](http://showmelibrarian.blogspot.com)

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