



Welcome to today's Infopeople Webinar!

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TUESDAY JUNE 14, 2016
AN INFOPEOPLE WEBINAR

| AMY KOESTER

STEAM PROGRAMMING FOR DIVERSE POPULATIONS

HI, I'M AMY

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



OUR AGENDA TODAY

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

STEAM & ISSUES OF EQUITY



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

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.



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

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

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

5 TIPS FOR GETTING STARTED

- ▶ Build around diverse books & perspectives

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- ▶ Partner with professionals
- ▶ Make it hands-on
- ▶ Carve out space for ongoing engagement
- ▶ Bring a successful program to a new audience

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

POLL

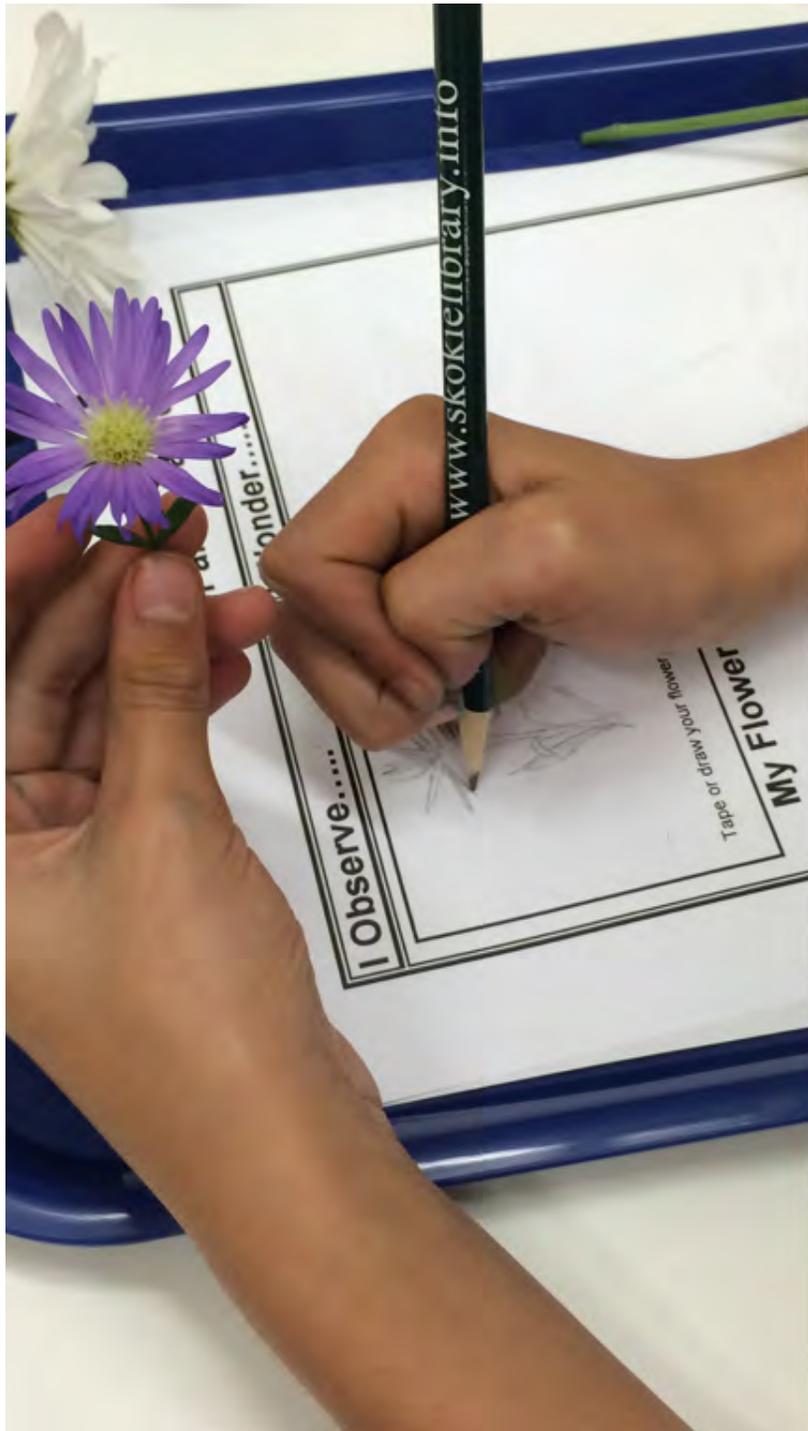
PROGRAMS FOR DIVERSE YOUTH





SCIENCE CLUB JR

**BUILD PRESCHOOLERS'
FOUNDATIONAL
KNOWLEDGE**



MICROWORKSHOPS

**BITE-SIZE
ENGAGEMENT**



FACILITATED
PROGRAMS

HANDS-ON



THE SCIENCE EXPO

**LEARNING AS A
FAMILY AFFAIR**



CLASSROOM
CONNECTIONS

**COLLABORATE WITH
A LOCAL SCHOOL**

WHAT TYPE OF YOUTH STEAM PROGRAM FORMAT
WOULD WORK BEST FOR YOUR LIBRARY'S
CURRENT PROGRAMMING STRUCTURE?

POLL

PROGRAMS FOR DIVERSE TEENS



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CODING AND GAMING
AND TECH, OH MY!

**TAP INTO TEENS'
INTERESTS**



BIOBLITZ

**CIVIC/CITIZEN
SCIENCE**



SCIENCE CAFE

**STEAM CAREERS
IN ACTION**



MENTORS & MENTORS
IN TRAINING

**ALLOW TEENS TO
BE PEER EXPERTS**



AFTERSCHOOL
OPTIONS

**PARTNER WITH
SCHOOLS**

CONSIDER YOUR FREQUENT TEEN PROGRAM ATTENDEES. CAN YOU ENVISION ANY OF THEM ACTING AS PEER EXPERTS OR MENTORS?

POLL

RESOURCES FOR PROGRAM PLANNING



PROGRAM-PLANNING RESOURCES

- ▶ Library blogs
- ▶ “Building STEAM with Día” toolkit
- ▶ National Geographic
- ▶ Zooniverse
- ▶ National Science Teachers Association

CONTACTS FOR COLLABORATION & SUPPORT

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

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

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WRAPPING UP

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

QUESTIONS?

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