**From Tots to Teens: STE(A)M-powered Ideas for Programming**

**Learner Guide**

<http://www.webjunction.org/events/webjunction/from-tots-to-teens-STEAM-powered.html>

**Event Description**: Whether you're already full steam ahead with STE(A)M programming in your library or not sure how to get started or somewhere in between, there's something for you in this webinar. Our presenters—"The Heathers"—are passionate about creating engaging and skill-building STE(A)M programs for kids from preschool age to teenage. Find out what to look for in a good program and hear their top picks for programs for each age range. Learn some tips, tricks and useful resources. Get inspired—you don’t need to be a scientist or engineer to have fun exploring and learning with the kids in your library.

**Presented by:** **Heather Love Beverley** and **Heather Thompson**

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| **What are your goals for viewing this webinar?** |
| **Personal Goals** |  |
| **Team Goals** |  |
| **Why STEAM in libraries?** |
| Review some of the key reasons presented for why STEAM programming is beneficial to libraries. Which one fits your organization best? What would the value add of the library offering STEAM programs be for your community?* Support and supplement school curriculum
* Your young patrons are already curious, so meeting their needs!
* STEM programs promote critical thinking, creativity, and problem-solving skills
* STEM programs allow for a collaborative learning environment
* Supports library core mission
* It’s fun!
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| **Where to start?** |
| Brainstorm the STEM topics you find most interesting (e.g. outer space, germs, circuits). Where might you start to look for programming ideas on that topic? Take a look at the [Resources for STEM/STEAM Projects and Programs](http://www.webjunction.org/news/webjunction/resources-STEM-STEAM.html) on WebJunction for inspiration! |
| **Program selection criteria** |
| Use the criteria below to test your assumptions about the selected program you’d like to host:* Can it be done in an hour? Hour and a half?
* Can it be easily replicated for 20+ kids?
* How much hands-on help is needed?
* Are the supplies easy or hard to find?
* What level is the science at?
* Is it fun?!
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| **Structuring your program** |
| Using the examples shared by the Heathers, create a timed outline for your program, and then try a run-through with some willing colleagues or family members! |
| **Potential Partners** |
| List potential community partners you could ask to help facilitate STEM learning (e.g. college professors, public utilities).1.2.3.4.5. |
| **Action Plan: (include next steps, who, when, etc.)** |
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