



Celebrate the Fourth with STEM!

As we celebrate Independence Day this week, create mini "fireworks" in your summer program. Little Bins for Little Hands assembled a list of **4th of July STEM Activities** to do with kids that address scientific concepts like density, temperature and chemical reactions.



Learn **The Science Behind Fireworks** with Steve Spangler, and visit **USHistory.org** to celebrate one of the Founding Fathers, Ben Franklin, and his many important inventions. There is so much potential to engage kids in STEM this holiday week!

Happy 4th of July!

STEM Grant Writing Assistance from STEMfinity

STEMfinity offers a full service grant development program to assist education agencies in acquiring grant funding. Comprised of professional grant writers, administrators, professors, and educational practitioners, they provide strategic planning, grant research and alignment, grant evaluation, and related professional consulting services to hundreds of education agencies throughout the United States. From federal entitlement grants to discretionary NCLB competitions, this team has the expertise to prepare grant proposals that are likely to be awarded and implemented with limited burden on your staff. Whether you are just establishing STEM in your program, or looking to improve or expand an existing program, STEMfinity can help you prepare a successful grant application.



Grant Questions?
Ask Owlbert!

[Learn more](#)

Could Storytelling Be the Secret Sauce to STEM Education?

A recent article from KQED's MindShift shared one educator's story about how literature helped him get youth excited about STEM. "One of [Lev] Fruchter's favorite stories to teach in computer science is Frank Stockton's short story, 'The Lady, or the Tiger?'...he appreciates it for the way it beautifully mimics binary code. In computer language, this is a 'one bit' story, meaning there are two possible versions and two possible endings. In a computer, the two endings would be expressed with either a one or a zero." He's put everything's he's learned about using literature to teach STEM into an online curriculum called **StoryCode**.



[Read more & see Fruchter's STEM Fiction ideas](#)

Arizona Center for Afterschool Excellence

azafterschool.org/STEM

