

STEAM resources

Design Thinking

<http://www.k12lab.org/> Great websites and info about other K-12 schools that use design thinking

<http://dschool.stanford.edu/> the Institute of Design at Stanford University, the place where design thinking originated

<http://www.designthinkingforeducators.com/> Design Thinking for Educators toolkit

http://media.wix.com/ugd/0e4df4_6c7ec2b3c0247f8968eb793afa5ad25b.pdf Design playing cards (best for upper grades)

<http://www.dfcworld.com> Design for Change

STEM resources

<https://www.youtube.com/user/STEMbite> STEM videos (after you preview the videos, if you want to show them to students without the ads or popups, you can use <http://safeshare.tv/>)

Engineering websites

<http://www.getcaughtengineering.com/> Has lesson plans and resources for engineering concepts

<http://www.tryengineering.org/> Lesson plans, plus descriptions about different types of engineering

<http://www.eie.org> Engineering is Elementary

Computer Coding

<http://scratch.mit.edu/> Scratch, developed by MIT to get kids interested in coding. It is very fun and interactive. All third-fifth grade classes will learn about Scratch at some point this year in STEAM specials.

http://cdn.scratch.mit.edu/scratchr2/static/_918a707f50669ee1f59b2caa79f49bb6_//pdfs/help/Scratch2Cards_Jan2013.pdf Shortcut cards to help your students learn Scratch

<https://www.khanacademy.org/computing/cs> Khan Academy is a great place for students to review or extend their learning. These are their computer programming lessons. <https://www.khanacademy.org/> is their main webpage. The math tutorials are great!

<http://code.org/> I've used code.org educator resources to teach students about algorithms and programming vocabulary. I've also used it to host an Hour of Code (during Computer Sciences week in December)

Art Resources

<http://www.pbs.org/art21/> Art21 is a resource for learning about contemporary art.

<http://www.pbs.org/art21/learning-with-art21/materials-for-teaching> Teaching guide for Art21

<http://www.artiseducation.org> Art is Education is a website out of California which supports Studio Thinking and artist habits of mind

<http://teachingforartisticbehavior.org/> Teaching for Artistic Behavior—choice-based art education site

Movement and Dance

<https://www.gonoodle.com> Go Noodle. Great for movement and brain brakes

Science and Technology

<https://www.brainpop.com/> Brain Pop (requires subscription, but most schools have it)-short animated videos about everything!

<https://jr.brainpop.com/> Brain Pop Junior—for K-2 students