**STEM DuPage website changes 12/14/2016**

**Student pages**

**1.**

**Cool Science Video**

What Makes Owls So Quiet and So Deadly?

[**https://www.youtube.com/watch?v=a68fIQzaDBY**](https://www.youtube.com/watch?v=a68fIQzaDBY)

**About this video:** Created by KQED in San Francisco and presented by PBS Digital Studios, Deep Look allows you to explore science by taking, well, a deep look! Watch the video and then subscribe to their YouTube Channel.

**…and then put the Tesla video in the previously featured section. In the previously featured section remove the “watch the video” boxes and put the link at the title of the video or attached to the still picture. However you do this, let’s be consistent throughout the site as you make changes. Anytime there is video does it make sense to just click on the picture to get the video?**

# 2. Things To Do

**Let’s start by making the header pictures smaller. On my computer screen they are ~8.2cm square. How about dropping them to ~7cm?**

## Featured STEM Activity

**Paint Your Way to STEM Fun**

If you enjoy painting, try making your own paints. You can do lots of experimenting with materials you’ll find at home. As always, check with mom or dad to be sure they’re okay with your exploration, and to confirm that you can use the required ingredients. Once they give the thumbs up, let’s get concocting.

Download the instruction sheet for your homemade paint (make this text the link to PaintingDirections.pdf)

You will find PaintingDirections.pdf in the folder, as well as

**2 photos for the page.**

**3. Move *Lava* to previous, and take out separate “learn how to do it” boxes by linking on title.**

## After School Clubs and Organizations

**First LEGO League (link title to site, remove link box)**

Elementary and middle school teams design, build, and program robots using LEGO MINDSTORMS. ~~In this program you will:~~ Participate in tournaments and celebrations.

[~~Visit Their Website~~](http://www.ilfirst.org/fll.html)

**The Making Stuff Activity Guide (link title to site, remove link box)**

Material Science activities for kids and families. Video clips on the latest developments in the science of materials, too.

~~The guide contains four materials science activities for after-school programs or other settings. The hour-long activities are geared for students in grades 4–6 and their families and focus on the science behind making materials stronger, smaller, cleaner and smarter. Educators can access related video clips that show cutting-edge developments in materials science.~~

[~~Visit Their Website~~](http://www.pbs.org/wgbh/nova/education/making-stuff.html)

**Future Cities (link title to site, remove link box)**

~~Sixth, seventh and eighth graders~~ You will design cities with simulation software~~. You’ll~~ build scale models, write essays and give oral presentations on your city’s design. Join a team at your school or try to start one with the help of a teacher.

[~~Visit Their Website~~](http://futurecity.org/illinois-chicago)

**Time to Invent Club (link title to site, remove link box)**

~~You will find~~ Hands-on invention challenges in an after-school club for middle school kids.

[~~Visit Their Website~~](http://timetoinvent.org/)

**Are you interested in rocks, minerals, gems and fossils?**

~~Here are a couple of clubs in the Chicagoland area that sponsor shows and other events, as well as publications~~:

These clubs sponsor events and publications:

**ESCONSI: The Earth Science Club of Northern Illinois** - A family membership is $20.

[~~Visit Their Website~~](http://www.esconi.org/esconi_earth_science_club/about-esconi/)**(link group name to site, remove link box)**

**The Chicago Rocks & Minerals Society** - This group has a Geo-junior group.

[~~Visit Their Website~~](http://www.chicagorocks.org/)**(link group name to site, remove link box)**

**Technology Student Association (link to site from the group name)**

~~For middle and high school, the TEAMS program is an annual STEM competition challenging students to work collaboratively and apply their math and science knowledge in practical, creative ways to solve real everyday engineering challenges. After participating in TEAMS, students increase their knowledge of engineering, feel more confident about participating in STEM activities, and increase their ability to work with others to solve complex problems. In addition to TEAMS,~~ TSA offers over 60 STEM competitions for middle and high school students across the nation. TSA membership includes over 190,000 students in 2,000 schools ~~spanning 48 states~~.

[~~Visit Their Website~~](http://www.tsaweb.org/)

**Illinois Science Olympiad** (link to site from group name)

~~A competition for middle and high school student groups.~~ Compete with your team against other schools~~. There are~~ in knowledge and skill based competitions that you'll prepare for ~~all~~ during the school year. If your school doesn't have a team, you can organize one. Look for START A TEAM on their website.

~~[Visit Their Website](http://www.illinoisolympiad.org/" \t "_blank)~~[~~Organize Your Team~~](http://www.illinoisolympiad.org/start-a-team.html)

## Citizen Science

Take out all of the Visit their websites boxes in this section and link url to organization name.

**DuPage County Forest Preserve District~~: Nature Near You.~~** Add Search “citizen science” at their website.

## Chicagoland STEM Events

**~~Celebrate Engineers’ Week Saturday~~Attend STEM Expo ~~Saturday~~ in February**

Displays, activities and family fun ~~on~~ annually, on the last Saturday in February, 10:30 ~~p.m~~.am - 3:30 p.m. at the Illinois Institute of Technology, 201 East Loop Drive, Wheaton. And it's Free!

[~~Visit Their Website~~](http://www.dupageeweek.iit.edu/)here’s the link:http://appliedtech.iit.edu/stemexpo

**Get to know Fermilab in Batavia, IL**

Guided Tours of the lab and the Lederman Science Center:

[~~View the Calendar of Tours~~](http://eddata.fnal.gov/lasso/program_search/calendar_special_new.lasso)See more events for youth and families:

[~~View Their Family Events~~](http://ed.fnal.gov/home/students.shtml)

**Make the gold sentences the links**

**Legos, holography, roller coasters and more!**

NIU STEM Saturday courses, in Naperville & DeKalb.

[~~Visit Their Website~~](http://www.niu.edu/stem/programs/stem-saturdays.shtml) **Make NIU STEM Saturday the link**

**A Calendar STEM Events**

For kids and families in Chicagoland

Here’s the link: <http://www.stemkidschicago.com/>. Link it to “for kids….”