

Welcome to Engineering Bikes & Art

Today we will explore non transportation uses of a bicycle to serve as a

Bike Blender,

Human Powered SpinArt machine,

Generator for hand held electronics,

and take a look at the Bike Butterfly.

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DAEP / DDAEP /CTE

<http://www.uiowa.edu/~uaactr/adobe/InterestSurvey.pdf>

Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering), including laboratory and testing services, and research and development services.



CAREER CLUSTER INTEREST SURVEY

Activities that describe what I like to do:	Personal qualities that describe me:	Course topics that I am interested in:
Interpret formulas	Detail-oriented	Math
Find the answers to questions.	Inquisitive	Science
Work in a laboratory.	Objective	Drafting/Computer Aided Drafting
Figure out how things work and investigate new things.	Methodical	Electronics/Computer Networking
Explore new technology	Mechanically inclined	Technical Classes/Technology Education Manufacturing, Architecture, Construction, Agriculture Education
Experiment to find the best way to do something		
Pay attention to details and help things be precise.	<i>If you answered yes to most of these 17 items you might want to explore >>>></i>	<i>Science Technology Engineering & Math Careers choices</i>

The Bike Blender

<http://moberismoothies.com/videos>

Clip 1 Shark Tank

Clip 3 Kickstarter



Meet Ken Cromwell

RockTheBike.com

Event-Grade Bike Blender Booth: Tips from the Pros

<https://www.youtube.com/watch?x-yt-cl=84924572&v=j6SUI91thhM&x-yts=1422411861#t=129>

Bike Spin Art

Spin Art Machine setup & connecting to FBPro

<https://www.youtube.com/watch?v=ooR9BzOFBS0>

Rockthebike.com spinart

Art Lesson #2: How to Make a Spinning Machine

<https://www.youtube.com/watch?v=8DyPHmPWczs>



The I phone bike charger

- YouTube bicycle phone charger
- <https://www.youtube.com/watch?v=2yj4DheBYpl>



The Bike Butterfly



dwettrick

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2 weeks ago

Met unbelievable educator Kent Crowell today. Looks at THIS student/teacher project! #EdCampWTx



twoguysandsomeipads, **senor_makeitnasty**, **teachingwithsoul** and 4 others like this.

I will be presenting a 50 minute session on STEM- Engineering, Bikes and Art on Monday morning Feb 2 at the Austin Convention Center at TCEA 2015.

Come check out my bike butterfly, bike blender, bike smart phone charger and trick bikes.

Handout includes links to construction tips to have your students get engaged in interactive hands on collaborative problem solving fun activities.



Leave a comment...



Bike Spin Art



Get a couple of 12" traffic indicators donated from the City traffic department and hook up some battery packs to supply 12 – 18 volts DC. The "eyes" will have a constant glow from enough juice and blink if the supply is too low.

Design a wood frame and cut out with a band saw. Layout the corrugated plastic "skin" and cut on a band saw or with a box cutter.



Working on the Butterfly bike batteries at WT ED Camp in Abilene

Bike Spin Art



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Take an old bicycle, a school desk, a skateboard wheel, an old razor scooter, a couple of bicycle wheels, some corrugated plastic and your hand tools.

- Make a bicycle blender / spin art rig and get a work out and a treat at the same time.
- Go play outside. 60 minutes a day.
- Recycle some LPs from the thrift stores and help someone with a donation.
- The two minute masterpiece. Spin Art Records.

[Attendees](#) [Exhibitors](#) [Presenters](#) [Media](#) [Register](#)

[Register Now](#)



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IS OPEN.**

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Getting setup at ESC Region 14 in Abilene at Ed Camp.
Swing bike in front makes kids really put on a bicycle helmet.

Oct. 2, 2014

The [Texas Medical Association](#) (TMA) will give away 6,151 free bicycle helmets to Texas children in October, more helmets than TMA has ever given in a month, to celebrate the 20th birthday of its [Hard Hats for Little Heads](#) program.

TMA physicians, medical students, TMA Alliance members (volunteers who are TMA physicians and TMA members' spouses), county medical societies (CMSs), and other volunteers will host free helmet giveaways in their communities. TMA also will underscore the importance of wearing a properly fitted helmet with parents and their children participating in the event (see schedule below).

"This month represents 20 wonderful years of TMA giving and saving the lives of little Texans, one helmet at a time," said Ernest D. Buck, MD, a Corpus Christi pediatrician and chair of TMA's Council on Health Promotion, which oversees the Hard Hats program.

"Fitting helmets at an event is personally rewarding, giving a hands-on way to interact with children and teach the importance of always wearing the helmet. One never knows when an accident could happen."



Christy Cate @christycate · Sep 27

#edcampWT bike art... So fun to find the #science in the bike #edcampsep27

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Bike Blender on KMID GMWT

<http://www.permianbasin360.com/story/bike-blender-in-support-of-ms-cactus-crude-bike-ride/d/story/g2EsxPB-IUaNLy1U3HYuDA>





Through Hard Hats for Little Heads, Texas physicians urge children to be active and to stay safe as the program's motto states: "Get Moving. Stay Safe. Wear a Helmet." TMA encourages helmet use for all sports on wheels: biking, inline skating, skateboarding, and riding a scooter. Studies have shown that properly worn bike helmets can prevent up to 85 percent of brain injuries. Head injury is the most common cause of death and serious disability from bike crashes.

Since the Hard hats for Little Heads program began in 1994, TMA has given away more than 180,000 helmets to Texas children.

Below is a schedule of TMA's Hard Hats for Little Heads events across the state in October.

Go to: <http://www.texmed.org/Template.aspx?id=32031>



The Swing Bike

Bike Blender on KMID GMWT

Check out the amazing spinart portfolio



Just think these 33 1/3 RPM records were spun in a new and innovative way! And you can still play the music on them, since the spinart is on the back of the album.

And how can this be? A reconfigured bicycle, reassembled into a new machine. It gives you exercise as you pedal and spins a beautiful unique art form from your energy!

Christy Cate @christycate · Sep 27
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Kent.Crowell@midlandisd.net Reply Retweet Favorite



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dwetrick

2 weeks ago

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