Massachusetts 4-H wants you to be a Maker

Maker Challenge Classes for the Fair

Check your local fair for details on which classes are offered as offerings may vary due to space.

2. **Headphone Hat**: Hat made be handmade or pre-made/purchased. [http://makezine.com/projects/headphonehat/](http://makezine.com/projects/headphonehat/) (Class may be split into two categories for those who create their own hat by knitting, sewing, felting… And those using a pre-made hat.
4. **Yarn Bombing**: Use yarn to cover/bomb an object that includes the 4-H Clover. (Object used should be less than 18” in either direction. The 4-H Clover should be in green with its stem pointing to the right and a white “H” on each leaf.
5. **LED Shoe Clips**: Create your own and display on shoes. You may also include a picture of the complete outfit. [http://makezine.com/projects/LED-Shoe-Clips/](http://makezine.com/projects/LED-Shoe-Clips/)
6. **Bristle Bot & Habitat**: Create a habitat for a “hexbug” or make your own small bot on a toothbrush or other small brush. [http://makezine.com/projects/make-40/sure-fire/](http://makezine.com/projects/make-40/sure-fire/) You may refer to the 2012 NYSD experiment for details on making an ecobot. [http://www.4-h.org/4-h-national-youth-science-day/past-experiments-archives/](http://www.4-h.org/4-h-national-youth-science-day/past-experiments-archives/) Habitats should be no larger than 18” wide and 24” long. A good suggestion would be to use the top of a paper box or soda flat.
7. **Self Filling Water Bowl**: Please note if help provided for safety- such as cutting the lumber. Designs can be for a 1 or 2-liter bottle. [http://makezine.com/projects/make-37/self-filling-water-bowl-2/](http://makezine.com/projects/make-37/self-filling-water-bowl-2/) Finished bowl should stand under 18” and base no larger than 12” by 12”. Be sure any added decorations are pet friendly. You may include a picture of your pet with the bowl.

**More Advanced Challenges:**


Judging Criteria: (Craftsmanship, Creativity, Use of Materials along with following set requirements.)