

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.

1. **Duct Tape Double:** Make a custom Mannequin for a doll and use it to design an outfit. (Doll should be 18" or smaller.) <http://makezine.com/projects/make-39/duct-tape-double/>
2. **Headphone Hat:** Hat made be handmade or pre-made/purchased. <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.
3. **Bird Sculpture from fabric, felt or yarn.** (Finished sculpture must include picture of bird species and basic bird facts: including name, size, distinct features, range, habitat, & what it eats) <http://makezine.com/craft/great-blue-heron-sculpture-from-salvaged-fabric/> Sculpture should be no larger than 18" tall and 10" wide.
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/>
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/> 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/> 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/> 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:

Vegetable molds: <http://makezine.com/2014/10/15/farming-pumpkinstein-monsters/>

Wood Toboggan: <http://makezine.com/craft/how-to-build-a-modern-wooden-toboggan/>

Fetch-O-matic: <http://makezine.com/projects/make-31/fetch-o-matic/>

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



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