

Build a Bedroll

2015-2016 First Lego League Trask Trek Project
by The Dover Public Library's Stryo-Squad

This year the First Lego League Challenge was Trask Trek. We were challenged to identify a problem with the way we make or handle trash, design an innovative solution to the problem and share the problem and solution with others.

So we created our project to reuse Styrofoam. Styrofoam takes up a lot of room in landfills, doesn't break down and it is hard find places that recycle it. We contacted different businesses and found out that they don't have Styrofoam recycling like you see for paper, glass or plastic so we wanted to do something with it.

We came up with the idea to make a bedroll using the Styrofoam that we would collect by donations. Anyone can make the bedroll and use it at home, daycare or even camping. But we wanted to make ours and donate it to a local shelter, so we aren't just helping the environment but helping our community also. We spoke to some shelters and they said this would be helpful to them.

We hope other community groups and clubs will continue to make our project and donate the finished bedroll to their local shelters.

Instructions

1. Make a Styrofoam collection box.



2. Get permission to put the collection box in a public space. (We used the public library where we practice.)



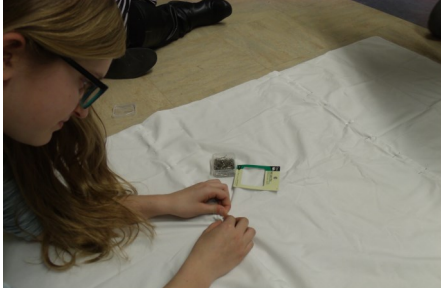
3. After you collect enough Styrofoam, you want to shred it (we found different types of Styrofoam shredded easier than others).



Build a Bedroll Instructions continued

4. Get pillow cases or a fabric (we used 5 donated pillow cases). The pillow cases made nice segments for the foam to stay spread out

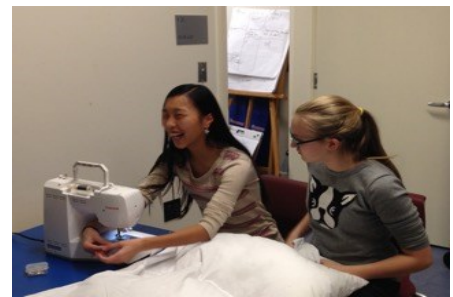
5. Pin and then sew the five pillow cases together (leave the end open)



6. Stuff the pillow cases one at a time then sew it closed (you can add cotton batting/poly-fil if you like) Remember not to stuff the pillow too full so you can still roll it up.



7. Repeat filling and sewing the pillow cases until you are finished.



8. (Optional) Add canvas to back of the bedroll for outdoor use or add straps to tie the bedroll closed.

9. Deliver completed bedroll to local shelters or distribute to those who need them.

