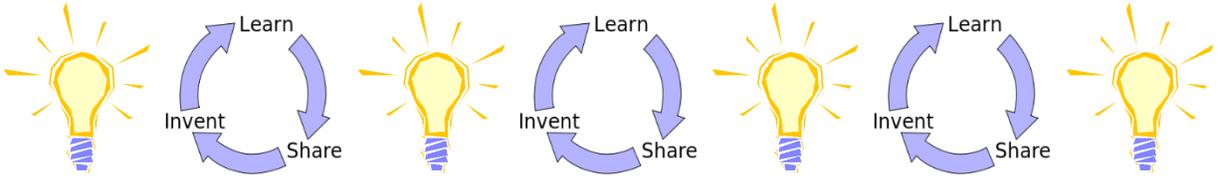


# Coming Soon to Old Bethpage: **Makerspace**



## What is Makerspace?

Makerspace is a unique area in our school that allows for creativity and innovation to occur. Students have the freedom to design, engineer, fabricate, create, build and collaborate. We are starting small, but thinking big! Makerspace is part of the Maker Movement and it incorporates STEAM initiatives – Science, Technology, Engineering, Art and Mathematics.

## Why do we need Makerspace?

Working in Makerspace engages students to think critically and problem solve in ways that deepen their knowledge of subject matter. Makerspace opportunities improve students' habits of inquiry, self-directed learning and reflection. Students will have a way of learning that involves tinkering, inventing, researching, teaching, collaborating, sharing, innovating, socializing and creating. Students develop new ideas, design and redesign them until they have a product they are happy with that in some way solves a problem, shares new information, connects to the content area and ultimately learn things about themselves and the world. Makers are needed to add to the global sum of human knowledge – we can start now!

## When and how will Makerspace be used?

All classes and all students will have opportunities to utilize the space. It is a work in progress for now, but it may be as part of a classroom project, or through a special area subject such as library, art, music, computer or PE. We will begin with an Exploratorium, where all students will get to tinker with the items available. We will then move toward project-based learning opportunities that correlate with classroom curriculum. This will be an ongoing and continuous endeavor and we anticipate the opportunities growing over the next few years.

## How can you help?

*If you have a few seconds:* **gather some of the items on the attached list and donate them as supplies** to be used in our Makerspace. We will be collecting items from now until the end of April...and possibly thereafter.

*If you have a few minutes:* **check out some websites** that have ideas for things to make – feel free to send the ideas in to be shared in our Makerspace Resource Library or make them at home with your children. Some great sites include [instructables.com](http://instructables.com), [designmaketeach.com](http://designmaketeach.com), [diy.org](http://diy.org), and [makered.org](http://makered.org).

*If you are looking for something to do one weekends:* **attend a Maker Faire with your children or create something in your home !**

# Makerspace Donations Needed

You can drop off any of the following items in the main lobby.  
Thank you for supporting this endeavor!

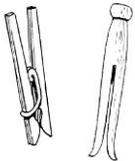
## Building toys

Tinker toys  
Legos (especially Lego people and wheels)



## Connectors

Binder clips  
Clothes pins  
Rubber bands  
Bobby pins



## Paper

Origami paper  
Tracing paper

## Tools

Wire cutters  
Scissors  
Hole punchers  
Rulers  
Measuring tape  
Magnetic items  
Magnifying tools



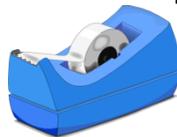
## Craft Supplies

Buttons  
Lanyard  
Rainbow loom supplies  
Looms/hot loops  
Felt  
Yarn  
Thread  
Embroidery floss  
Empty film canisters  
Empty spools (from thread or ribbon)  
Pipe cleaners  
Popsicle sticks  
Small craft sewing machines  
Pencils  
Q-Tips  
Clay  
"Googly" Eyes  
Pom Poms  
Feathers  
Styrofoam



## Electrical items

Watch batteries  
LED lights  
Thin wire  
Copper tape  
Electrical components



## Adhesives

Painters tape  
Electrical tape  
Elmer's glue  
Glue sticks  
Packing tape  
Duck or duct tape  
Masking tape



## Household items

Styrofoam cups  
Small bathroom cups  
Empty toilet paper rolls  
Paper towel rolls  
Zip lock bags  
Brown paper lunch bags  
Straws  
Plastic bottle caps  
Toothpicks  
Aluminum foil  
Corks  
Supermarket plastic bags  
Wipes

## Other

Tiny rubber balls  
Marbles  
Game pieces/boards  
Pulleys & spools  
Blank notebooks