

Engineering Brochure

This is a concise brochure your team should develop as a marketing tool used to sell your idea. It will serve to remind anyone who takes it home what a great idea they saw from your team. Please keep it to a one sided piece of paper. This will be handed out by your team to people who come to see your idea. There needs to be at least one for the reviewers to help them remember your project.

- Project Name, High School Name, Teacher Name, Student names on the team, Picture of team (without masks if possible)
- Description of the main features of your design.
- Include a CAD drawing of your design (isometric if possible)
- Photos of your prototype.
- Can be arranged into any format your team prefers—tri-fold, bi-fold, open page— one sided

Plan on making updates to your brochure as the prototype improves.

Multi-Tool

Genius High School

Ms. Amazinglysmart

Bob Coolio, Alli Awesome, Mike Mechanic

Sample Brochure

The variety of tools is important. The scissors are sharp and a good size that allows cutting many different materials. The file is double sided and allows for filing harder steel on one side and softer materials on the other side. The handle is rounded to allow for a good firm grip when pulling with the pliers or cutting soft metal. All the tools lock into place and only fold back into the handle when the lock is released.



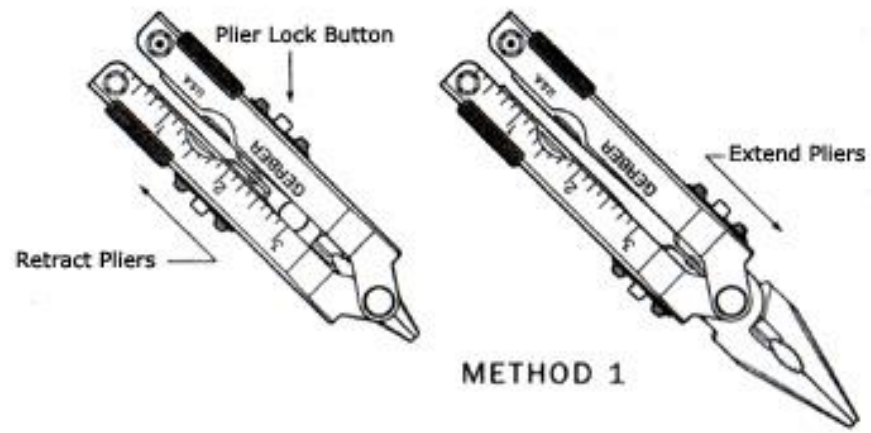
The main features of this Multi-Tool is that it has all the tools that I use on a daily basis and it collapses down to the small, compact form that fits on my belt. It is made of stainless steel and doesn't rust but is still magnetic enough so it will work with other magnetic tools. It contains 18 different tools as well as the ability to add bits to the Phillips head screw driver and blades to the saw blade holder.



Flat head screwdriver
Replaceable saw blade



scissors
File
Wire cutters



Engineering Tri Fold Display Board

Each team should make an Engineering display board. A picture is worth a thousand words and a few good pictures of your idea will help people see why your prototype is the right answer to the problem.

A good Tri-fold display board will save you from talking and to give you pictures to point to. It will also attract people to your team's work.

Your Tri-fold needs to contain:

- Project title
- Problem you are solving
- Members of team, school, teacher
- CAD drawings of your prototype
- Any commercially available products you are using to inspire your design
- Pictures of your prototype (not as important if you have your prototype but critical if your prototype is lost or damaged before you can show it)
- Results and photos of any testing
- Progression of your prototypes as you make improvements.

This will need to be updated for the Critical Design Review

Sample Engineering Tri-Fold

Problem we are solving:

Similar Products we have examined



Why they didn't fit our need

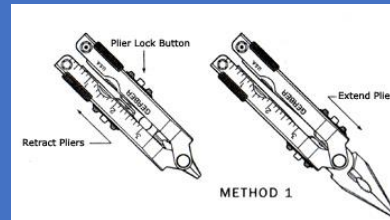
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Problems we solved while developing our prototype



Progression of the prototype



Materials we expect to use on the final design

Testing and Data



Next Steps