

What is Required from Schools?



- ▶ Register Team*
- ▶ Identify a Mentor to Guide Teams*
 - ▶ Engineering Design Process*
 - ▶ Focus on Safety*
 - ▶ Teamwork
 - ▶ Project Management
- ▶ Transportation
 - ▶ 3 Events over the 6 week competition (Kickoff, Practice Day, & Game Day) *
 - ▶ Regional Championship in Denver, CO (if selected) *
- ▶ Shop Tools to fabricate robot *
- ▶ Workspace for teams to build robot
- ▶ Secure Storage for Kits and Robot
- ▶ Team T-Shirts* and Food at Events (Optional)
- ▶ Demographics Form Submittal *
- ▶ * More details coming up

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3 Shop Tool summary recommendation Pages – on page 2

Also – Advanced Tools details (40 pages) at this link: <https://www.dropbox.com/s/tvqrkq60b69ecac/38.2%20-%202018%20Denver%20BEST%20TMI%20-%20Advanced%20Tools.pptx?dl=0>

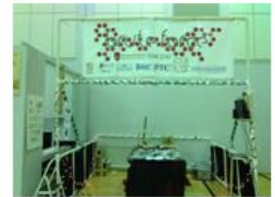


Prior Years' Exhibit Examples



OPTIONAL for BEST Award Team Competition

BEST Award Exhibit material – 8x8 booth



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NOT REQUIRED but helpful for year round robotics efforts:

BEST Robotics – returnable kit for off season school use. (Returnable kit loaned to teams during BEST Season)
<https://www.vexrobotics.com/best/270-1684.html>

Shop Tools Recommendations:

Shop Tools– Bare Minimum Tools - Low



- Eye protection for all students
- Basic hand tools (screw drivers, wrenches, pliers, tin snips, etc.)
- Drill bits, Drill/driver
- PVC Cutter
- Hole Cutter
- Utility Knife
- Punch
- Hacksaw
- Saber saw
- Soldering iron
- Wire stripper
- Sheet Metal Shears
- C clamps
- Square
- Tape measure
- Work table

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Shop Equipment– Basic Tools - Middle



- Drill press
- Router
- Heat gun
- Dremel tool
- Hole saws
- Vise
- Scale with 25 lb. capacity
- Tap and die set specifically, #10-32 tap, 1/4 - 20 die

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Shop Equipment– Deluxe Tools - Top



- Chop saw
- Scroll saw
- Band saw
- Table saw
- Z-bender
- Oven/heating element
- Metal brake
- Sander disk/drum/belt

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