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

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%20-2018%20Denver%20BEST%20TMI%20Advanced%20Tools.pptx?dl=0

OPTIONAL for BEST Award Team Competition

BEST Award Exhibit material – 8x8 booth

NOT REQUIRED but helpful for year round robotics efforts:

Shop Tools Recommendations:

**Shop Tools—
Bare Minimum Tools - Low**

- Eye protection for all students
- Basic hand tools (screwdrivers, 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

**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

**Shop Equipment—
Deluxe Tools - Top**

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