

Project Build Off

- Title Slide
 - Project Build Off Contest
 - Introduce Hosts
 - State objectives of Workshop
 - Guide to hosting a Build Off Contest
 - Little bit about Competing in Build Off as well
- Project Build Off Contest
 - Purpose (Read Slide)
 - Highlights skills/knowledge
 - Eliminates questions of who does the work
- Contest Intent
 - Why... (Read Slide)
 - Levels the playing field
 - Real life teamwork
 - Some students love and some hate
- History
 - How...(Read slide)
 - Disclaimer-SS BBQ Build Off
 - I inherited my contest
 - Started like show but instead of project based, its student based
- Hosting a contest
 - What to Build
 - Planning
 - Rules
 - Entry Fees
 - Space/Location
 - Judging Criteria/Finding Judges
 - Prizes
 -
- What to build
 - Easy to sell
 - Functional
 - Buildable
- Pictures 1
- Pictures 2
- Pictures 3

Project Build Off

- Planning
 - Start early
 - Can't wait until the last minute to get things going
 - May have a machine go down that is mission critical
 - Plasma Go Down
 - Cut/purchase extra parts
 - Never know what you might have missed
 - Check kits a few days before contest
 - Might of had kid take something out of a kit
 - Getting supplies together/make your kits
 - This year I found out availability is a factor
 - Space for the kits before the contest
 - Where to store/Room to store
 - Forklift needed
 - Really need to have a forklift for moving the kits around and for load up of the projects after the contest. Some of these projects will be heavy.
- Rules
 - Honor system
 - Rubric
 - Make it how you want
 - Add in about cleaning up your area
 - Customization of pit
- Entry Fees
 - Must cover the cost of the pit
 - Fundraiser?
 - How to take money
 - Use judgingcard.com or take money day of or mail check
- Space
 - Facilities
 - Restrooms
 - Parking lots
 - Easy in and out for vehicles and people
 - Can people walk around and not get hit with sparks
 - Clean up after the contest
 - How important is this to you?
 - Are some spent electrodes on the ground ok?
 - Get on the District calendar
 - Permission slips/release of liability forms
 - Check with your admin
 - Clear with you admin
 - Make sure they are aware of what you are doing
 - Not a good time to surprise them

Project Build Off

- Day of Contest
 - Setting out kits
 - Needs to be done early
 - Judges Meeting
 - Discuss more later
 - Coaches meeting
 - Safety
 - See something say something
 - Go over any rules/changes
 - Review facilities
 - Allows people to ask questions
 - After meeting you can set time to actually start contest
 - Advertise
 - If you want to encourage community members to come observe
 - Thank and recognize sponsors/donors
 - There are many people willing to help students out. Make sure those people are recognized for their contributions.
- Judging criteria/Finding Judges
 - Rubric
 - Put one out before the contest or just give it to the judges
 - Get judges from industry
 - Make sure they understand these are entry level workers
 - Ag teachers
 - Best if they have participated in a contest like this before
- Prizes
 - T-shirts/goodie bag
 - Glasses, gloves, tape measures
 - What kind
 - Welding supplies, tool kits, bags, cups, buckles
 - Donations
 - Make sure they are worth while
 - How many
 - 4 max
 - 1 for chapter
 - Plaque, trophies, traveling trophy
 - Recognition
 - Post who won
 - Post who donated
 - Social Media
 - Local Paper
 - Side Contest
 - Cooking contest
 - Teacher torch race
 - Pipe saddling tree

Project Build Off

- Best welding hood
- Underdog award
- Safety award(s)
- Competing in a contest
 - Planning
 - Outfit your rig
 - can't/not going to list everything
 - I like to have four of everything
 - Get grinders set up with everything you need
 - Make sure you have the guards on them
 - 2 engine driven welders
 - Generator
 - Cutting wheels? (check rules)
 - Torch
 - Oxy Acetylene torch
 - strickers
 - Plasma
 - Air compressor
 - Hoses
 - Power
 - Read rules for any extra tools you may need
 - Wood working
 - Sanders
 - Drill bits
 - Wizard wrap
 - Fire Extinguisher
 - Read rules
 - May have to have more than one
 - Welding rods
 - Rod holders
 - Tables
 - Portable
 - Level
 - None and work off the ground
 - Clamps
 - Tape measures
 - Extension cords
 - Soapstone/paint markers
 - Tool Box
 - Chop Saw
 - Spent rod bucket
 - Magnet for after the contest to clean up
 - Ice chest with drinks and snacks
 - Check everything before you leave the school

Project Build Off

- Fill up with fuel
- Check gases in bottles
- Crank and run your engine driven machines
- Safety
 - Number one priority
 - We are setting the example of how these kids work and what we expect of them while they are working.
 - Expect a safe working environment from them and hold them to it.
 - PPE for every person
 - Long sleeve shirt
 - Pants (no rips or tears)
 - Leather Work shoes
 - Safety glasses
 - Gloves
 - Face Shields
 - Hearing protection
 - Welding hoods
 - Fuel in appropriate containers
 - Make sure they are far away from the sparks while welding
 - No bare wires on power cords
 - Fire Extinguishers
 - Grinder guards
 - **If you see a safety violation from any team SAY SOMETHING.**
- Students
 - Four workers
 - Need to be able to work for a long period of time.
 - I brought some one time that had never worked for that many hours straight. They ran out of gas toward the end.
 - Must be able to think without YOU there.
 - Need a leader
 - I like to have two welders and two fabrication workers
 - They need to know that if they win, they all win and if they lose, they all lose.
 - Must be able to work with each other
 - Teamwork
 - Must understand time management
 - This is a timed contest. You don't have months and months to complete this like some other Ag Mech projects
- After the contest
 - Be prepared to take your project home
 - Bring extra straps for your project you just built
 - Clean your work area
 - No spent rods, scrap metal laying around under where you worked
 - Going to be tired

Project Build Off

- Bring other students to watch
 - If the contest is close enough and you can, bring younger students who can come watch.
 - Have them help clean up at the end
- Win and lose as a team