



The Historic Morganton Festival, Inc. is excited to announce the dates of the Fall 2023 Morganton Arts Design and Engineering (MADE) Competition. The event will take place on Friday, October 20th 2023 at the CoMMA Performing Art Center in downtown Morganton. Area Middle and High School students are invited to compete throughout the day in the onsite engineering challenge.

The Fall 2023 Engineering Design Challenge is now taking entry forms with a total of 15 school team spots available (5 students max per team - option of one team per school). In order to reserve your space, please contact Abby Nelson at anelson@morgantonnc.gov or 828-438-5280. Spaces are limited.

Winning teams in both the middle and high school division will receive prize packages for 1st (\$750) 2nd (\$500) and 3rd (\$250) place finishes. Prize packages totaling \$3,000 go directly to the classroom to further technology education. In addition, each lead teacher (one per team) will receive a \$250 stipend. All teams will receive a swag bag including items such as t-shirt, coupons, giveaways, etc. On site snacks and lunch will also be provided.

MADE is one of the most successful collaborations between education and industry partners. It gives Burke County students a chance to experience STEAM-based activities that build skills relevant to many of the area industries. MADE encourages students to think outside of the box and engages participants in critical thinking, design, engineering and innovation.

The Fall 2023 competition is generously supported by Work in Burke, City of Morganton, Burke County, Continental, Leviton, Opportunity Threads, Case Farms, Burke County Public Schools, TOSS, Western Piedmont Community College and NCSSM-Morganton.

www.morgantonfest.org/made-competition



M.A.D.E. Challenge

This year's MADE competition will be an onsite challenge where competing teams will create a product based on design criteria given to them on site. This design challenge will utilize problem solving techniques, building and assembling skills, budgeting, creativity and teamwork.

This year's competitors will be given a design brief of the item to be built the Monday before the competition date (October 16). This will include tools that will be available on site, available materials and the theme of the item to be built. Teams will use this information to work together as a team to create the product within a specified budget.

Participants will be judged on several criteria including but not limited to quality of build, aesthetic and proper adherence to design parameters. Scoring particulars will be given to each team at the beginning of the competition day as part of their design brief.

General Information and Expectations

- Teams will show up with a reasonable knowledge of tools, tool safety and problem solving techniques..This includes sharp tools, band saws, adhesives, and fasteners.
- Teams will have to build a concept on site within the allotted time.
- Teams will be allowed creative control of their specific solution.
- Areas with sharp tool use must be kept separate from the assembly area in order to create a safe working environment.
- The specific theme of the build will be sent out to all teams the Monday before the competition. What you do with that information is up to you.
- Teams will receive a scoring rubric the morning of the competition when they get the design brief with project constraints.
- Each team will have a member that is more geared toward the arts. This category will be weighted significantly.
- Teams will be capped at five total members.

- Teams will have many different types of materials to select from to help with the building and the form of the product.
- Teams will have to “buy” materials from the “store” in order to create the product.
- Staying with the budget is an expectation with point deduction for going over.
- Certain materials will have a maximum number per team to avoid hoarding.
- Recycling and reuse is encouraged. Using another team’s waste materials will help reduce your own costs.
- Cleanliness of the work area will be monitored.

General Work Area Description

- Each team will have a dedicated work area. This area will be divided into an assembly area and a materials processing area.
- There will be a shared area for band saw use. This area will be supervised by staff and will be off limits when not supervised.
- Electricity will be provided.
- Needed tools, equipment and safety items will be provided as well.

Coach/Team Sponsor Expectations

- Coaches will assemble and bring a team that is comfortable using hand tools (hand saws, knives, drills). It is recommended that teams have a wide range of skills including design, assembly and a systems mentality.
- Coaches will be expected to be on site and supervising throughout the event creating a safe and fun atmosphere for all participants.
- Coaches are expected to facilitate but not directly guide their teams to solutions. This is a competition for the students to shine, not the coaches.
- Coaches will make sure that their team members do not disrupt other teams and keep a safe working distance at all times.

On Site Supplies

- MADE will supply all materials to be used in the manufacturing of the product.
- MADE will supply appropriate tools and safety equipment.
- Tools will be in the realm of hand saws, drills, hobby knives, box cutters, adhesives and fasteners.
- LUNCH!!! Lunch and snacks will be provided for participants. Details to come.

What You Bring

- Your team.
- Any snacks, drinks or other refreshments you want.

- A good attitude.
- Personal safety equipment if desired. (Your own safety glasses, etc.)

Team members

- Each team will consist of a maximum of 5 members and a teacher/supervisor who will help facilitate safety and time schedules.
- Team members should be comfortable with basic tool use and safety.
- It is recommended that teams utilize a diversity of skills to handle all aspects of the competition.
- Each team member must be present for safety instruction at the beginning of the competition.

Interested? Next Steps

- Sign up with the forms below to reserve your place and email to Abby Nelson at anelson@morgantonnc.gov
- The spots will be first come first served.
- You can reserve your team spot even if you do not have all team members lined up yet.
- The deadline on team member names and t-shirt sizes is October 4th. If there is not a submission your spot will be given to the next team in line.
- The Official 2023 M.A.D.E. Design Brief will be delivered on Monday, October 16th. This will include the final rules for the build as well as specific measurements of the item and associated materials. Start brainstorming and discussing assembly features with your students!

Competition Days Tentative Timeline

Time	Min	What
8:00- 9:00	1 hr	Arrival, set up, rules and safety meetings
9:00- 12:00	3 hrs	Planning, purchasing and building
12:00-1:00	1 hr	Lunch (Provided by MADE)
1:00 -3:00	2 hrs	Fine tuning and artistic touches
3:30-4:30	1 hr	Judging and scoring
4:30-5:00	30 min	Announcement of Winners, photos

*Please note that details may change as the design challenge is created. All teams will be notified in advance of changes.

Participant Entry Form

M.A.D.E. Team Name: _____

School Name: _____

Contact Name (lead teacher + t-shirt size): _____

Email: _____

Phone: (Office) _____ (Cell) _____

Mailing Address: _____
Street or Box # City State Zip

Team Members + t-shirt sizes (limited to 5 per school): _____

For general competition questions (competition location, logistics, entry edits, etc.), please contact Abby Nelson at anelson@morgantonncc.gov or call 828-438-5280. For technical questions (rules & regulations, standards, etc.), please contact Paul Gantt at pgantt@burke.k12.nc.us

Please read all of the guidelines and sign below: I acknowledge that I have read and will abide by the 2023 M.A.D.E. Competition guidelines. I understand that if I violate any rule, the competition officials may terminate my participation. I release the Historic Morganton Festival from any responsibility for theft, damage or loss.

Signature

Date

WAIVER AND RELEASE FOR M.A.D.E. COMPETITION

As the parent or guardian of _____, who is under the age of 18 years, I sign this Waiver and Release for the City of Morganton on his or her behalf, and agree and acknowledge as follows:

1. _____ is a student at _____ [Middle][High] School, and wishes to participate in the 2023 Burke County schools M.A.D.E. competition on October 20, 2023, which will involve teams of students designing, creating, constructing and displaying an object or objects in a judged competition.
2. I understand that the M.A.D.E. event is to be held in downtown Morganton during and as a part of the Historic Morganton Festival, Inc., and will be at least partially conducted on City property or on public streets and sidewalks
3. Both my child and I understand and agree that participants in the competition may, and will be expected to, use various hand tools and power tools as part of the creation and construction process, under supervision of teachers, staff or other adults.
4. Both my child and I understand and accept that use of the various tools which may be needed or required in the competition involves some risk of bodily injury.
5. In order to participate in the M.A.D.E. competition, my child and I have both been required to read, accept and sign the appropriate rules and regulations of the Burke County Public Schools for such activity, including a Student Safety Contract governing my child's conduct.
6. I understand that the City of Morganton and Historic Morganton Festival, Inc. require all participants in the M.A.D.E. competition, or if minors then their responsible adults, to sign a Waiver of liability and Release of claims in the form of this document.
7. As responsible parent of _____, by signing this document I agree that neither the City of Morganton nor Historic Morganton Festival, Inc. shall be liable or responsible for any injury or damage to my child resulting from or caused by the use of any tools or equipment, or any other aspect of his or her participation in, the M.A.D.E. competition, unless such injury or damage is caused by clear negligence on the part of the City or the Festival.
8. To the full extent allowed by North Carolina law, I further agree to waive, and do hereby waive, any claim against the City of Morganton or Historic Morganton Festival, Inc., for damages for bodily injury to my child which may arise or result from the participation of my child in the M.A.D.E. competition, including any claims for medical expenses.
9. To the full extent allowed by North Carolina law, I further hereby release the City of Morganton and Historic Morganton Festival, Inc., and their respective officers, employees, agents and departments, from any and all liability for personal injury to my child arising out of or resulting from his or her participation in the M.A.D.E. competition on October 20, 2023 in downtown Morganton.

This the ___ day of _____, 2023.

Signature