



11199 Main Street  
Clarence, NY 14031  
(716) 759-8483

Dear Technology Teacher,

The Great Pumpkin Farm, located on Main Street in Clarence, will be hosting the 15<sup>th</sup> Annual "Pumpkin Catapult" competition using Medieval Trebuchets. The competition will be held during our annual Fall Festival, on Sunday, October 17, 2021 from 10am to dusk. We are inviting local High Schools to compete against each other. The 2020 competition was canceled due to Covid and we are looking forward to this year's competition and your participation. **Total cash prizes will be given out to the schools for their technology classes is approx. \$2800 as well as trophies and T-Shirts.**

Teams will be competing for distance & accuracy. Prizes and trophies will be presented to winning teams. Each high school will be limited to one team. However, districts with more than one high school can send teams from each school.

Each team would be required to design, build and test their Trebuchet using knowledge learned in Math, Science and Technology courses. The Trebuchets would be constructed of wood and the hardware necessary for assembly. No other material, such as PVC, steel or aluminum can be used except for reinforcement of gussets and load bearing areas. The basic profile window for the Trebuchet is as follows:

- Safety First
- Frame Height 6', Length 8', Width 6' – the Trebuchet can be smaller than the profile but not larger.
- Trebuchet arm not to exceed 10' (Wood portion not to exceed 8')
- Counterweights – secured steel plates or sand.
- The sling, release mechanism and sling ropes are left to the design of the teams. Slings may either stay affixed to the arm during launch or leave the arm with the projectile. No mechanical advantage such as springs, shock cords, air cylinder, etc. can be used.
- No mechanical devices, such as, but not limited to, springs and hydraulic rams are allowed on the trebuchets.

Teams will be required to sign up by **October 1, 2021** if they intend to compete. Late application can be accepted however, participation plaques and T-Shirts may not be available to teams signing up at a late date. A confirmation letter will be sent along with an outline that describes the rules in detail for building a trebuchet for this competition. We have a limited number of teams that we can accommodate, so please get your application as soon as possible.

**There is a \$25 registration fee payable with your application that will be refunded at the competition to those teams that show up to compete. Teams that do not show will not be refunded the registration Fee.**

If you have any questions please feel free to contact us. Thank you for your time and consideration. We hope that your district will participate in the competition.

Sincerely,  
The Great Pumpkin Farm



**11199 Main Street Clarence, NY 14031  
(716) 759-8483 Fax (716) 759-0437**

**APPLICATION FOR THE TREBUCHET CONTEST  
Sunday, October 17th, 2021**

**There is a \$25 registration fee that must be paid along with this application. This fee will be refunded to you when you show up at the competition ready to compete.  
Teams that do not show will not be refunded the registration Fee.**

Name of School \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Technology Teacher \_\_\_\_\_

Contact Phone #'s \_\_\_\_\_

Email Address \_\_\_\_\_

Address if different from above \_\_\_\_\_

Please fill out and send to following address by October 1st, 2021 (Late application can be accepted however, participation plaques and T-Shirts may not be available to teams signing up at a late date) :

The Great Pumpkin Farm  
11111 Main Street  
Clarence, NY 14031