



**Fall Harvest 2016 APEGNB  
Pumpkin Fling  
Mini-Trebuchet Contest  
September 24th, 2016**

All teams should be at Waterford Green with their trebuchets by 1:00PM. Teams will be asked to set up their trebuchets near the ASD-N Launch Zone in preparation for the 7 Trebuchet Salute. At 1:30PM the Pumpkin Fling Mini-Trebuchet Contest will begin with a countdown and a simultaneous launch of all trebuchets.

Please note that the launch times are approximate. The order of teams was decided by a random draw. We will be starting the five minute timer for each team as soon as they are prepared to launch. The next team will be called to the ASD-N Launch Zone as soon the timer of the previous team expires or they have taken their last shot. All teams should be prepared to enter the launch zone when they are called.

**Launch Schedule**

Approximate Time	Team
1:30PM	All Teams - 7 Trebuchet Salute
1:35PM	The Trebuslayers, Bonar Law Memorial High School
1:45PM	Ian Baillie Sharp Shooters, Ian Baillie Primary
1:55PM	Nelson Raiders, Nelson Rural School
2:05PM	Knight Flinger, Dr. Losier Middle School
2:15PM	MVHSMake, Miramichi Valley High School
2:25PM	Shark Squad, Miramichi Rural School
2:35PM	Harkins Huskies, Harkins Middle School
2:45PM	Presentation of Awards

### **Design Guidelines**

- Wood frame can be modified.
- Scoop and ballast bucket can be customized.
- The counterweights must be removable from their holder or bucket.
- No springs, rubber bands or pulleys can be used.
- All counter weight must be placed in bucket.
- No electronic assistance or air pressure is allowed.

### **Competition Rules**

- Only one trebuchet may be submitted per ASD-N school.
- Teams can be comprised of any number of students (minimum 2). Teams must also have a Team Mentor (teacher, parent, community member, etc.)
- During the mini-trebuchet contest, schools will have three attempts to hit a target 10-20 metres from the launch zone with a tennis ball.
- Projectiles, standard measuring devices and weight scales will be on hand the day of the pumpkin fling.
- Participants must bring their own counterweight. This distance may change during the contest so the ballast of weight should be easily removable. Use removable chains, sand or other types of ballast to adjust weight quickly.

### **Scoring**

- Teams will be called to load their trebuchet into the ASD-N Launch Zone. Teams will have 5 minutes to take 3 shots.
- If the target is not hit, prizes will be awarded to the schools that come closest to the target.
- All trebuchet adjustments (or repairs in the case of breaks) must take place within the 5 minute allotted time. There are no time outs or do overs!
- Each team will be scored on the one shot that is closest to the bull's eye! It is not a culmination of the 3 shots.
- In the event of a tie, the finalists will have 2 minutes to take one shot. The closest to a target will decide the winner.

### **Safety Guidelines**

- All children and staff mentors in the Launch Zone require eyeglass protection.
- If a trebuchet is deemed unsafe or to have illegal modifications it will be disqualified.
- Only 4 students and 1 adult are permitted in the ASD-N Launch Zone. One person will be designated as the launcher, all others must stand back 2 meters.
- It is your responsibility to make sure that you understand the rules, and that your trebuchets meet the requirements.