

Toboggan Building Constraints

(From Traditional Toboggan Schematics)

1. Open Sides
2. Must have a curl (8" min - 18" max)
3. Must be able to sit flat
4. Minimum width 15 3/4" - Maximum width 20"
5. Minimum slat width 2"
6. Maximum gap/space between slats in 1/4"
7. Bottom slats may not extend more than a 1/4" below others
8. If toboggan does not have a flat bottom, then it must have a minimum of 3 extended slats each with a minimum width of 2"
9. All extended slats must extend the same distance
10. All cutouts/designs on the back of sleds must take place within the last 6" of the sled

Additional BH Constraints

1. All toboggan slats will be made from 3/8" or 5/8" thick ash
2. All toboggans curls will be steam bent
3. All toboggans will utilize the same urethane finish and wax
4. All toboggans will be constructed on campus in the woodshop
5. The maximum toboggan length allowed will be 8'
6. All toboggans must be able to carry two people down the toboggan chute at the Camden Snow Bowl in ME.

Evaluation Criteria

1. Fastest time down the chute
2. Top speed (radar gun measured)
3. Aesthetics/Best Design (voted by the class & teachers)
4. Best Craftsmanship
5. Distance traveled