

Aqueduct Building Scoring Guidelines

Material to be provided by Station Master:

- Stopwatches
- Flags or cones to mark tripod placement sites
- (3) 10' sections of 2" PVC pipe cut in half
- (18) 8' staves
- (6) ropes
- (2) gallon milk jug completely full of water
- (2) buckets
- (1) 12" ruler.

Contuberniums must construct four tripods at indicated points. With the tripods as stands, they must use the PVC pipe to construct an aqueduct to transfer the gallon of water in the milk jug to the bucket. The starting point of the aqueduct must be at least 6 feet high. Scoring will be based on time, lashings, and the amount of water that ends up in the bucket as measured by the ruler.

Five points will be awarded for each lashing tied correctly. A different patrol member must tie each lashing. Failure to do so will result in a 5 point deduction for each lashing tied by the same person.

Points for time to task completion:

Under 10 minutes	25 pts
10-12 minutes	21 pts
12-14 minutes	18 pts
14-16 minutes	15 pts
16-18 minutes	12 pts
18-20 minutes	9 pts
20-22 minutes	6 pts
22-24 minutes	3 pts
Over 24 minutes	0 pts

Amount of water retained in gallon pail:

1st place 15 points. Reduce by 1 point for each place that follows. If there are 15 or more patrols, 15th place and lower will receive 0 points.

Total points possible: 60 points

