Practice Team Problem Solving: Tennis Ball Buggy Race

**Background:** A teammate was wounded in a terrible tennis accident. You must get them safely to the hospital but unfortunately, he/she cannot walk. You have no car, no scooter, no acceptable mode of transportation—only a piece of plywood and some tennis balls.

Your team discovers that you can transport the victim by rolling the plywood on the tennis balls, however not as efficiently as you would have hoped. Your team must work together to replace the balls as they are rolled over.

An added challenge presents itself as the victim regains consciousness just long enough to tell you he/she wishes to arrive in style. All your team has to work with to build the snazzy ride is cardboard and duct tape.

**Tennis Ball Buggy Race**

**Procedure:**
Using the materials provided, each team will build a car with a wood base. The “victim” will ride on the wood (in the car) for the actual race.

**Materials:**
- 2 ft by 4 ft piece of wood
- 12 tennis balls
- Cardboard
- Duct tape
- Scissors

**Objective:**
- Teams will build their vehicles and then race to see who finishes first.

**Scoring:**
- The winner will be determined not only by the fastest time but also on aesthetics of the vehicle.