**Magnetic Cube Support [Proof of Concept]**

The Concept

* Place 2 disc magnets inside each edge piece of the cube, against the corner
* Place magnets along perpendicular support surface of “clasper”
* Rely on attractive magnetic force to prevent “droopage” of the cube

Testing

1. Measure the area of the cubie’s internal surface – spec an appropriate magnet
   * Cubie internal surface is 1.5cm x 1cm. Ideal magnet would be a rectangular magnet with dimensions 6 x 15 x (3-5) mm. Practical solution available from Lee’s is a row consisting of 2 D6 disc magnets
2. Measure the area of the clasper’s perpendicular surface – spec an appropriate magnet
   * Support surface has dims 1.5cm x 6mm. Ideal magnet would be a rectangular magnet with these exact dims. Settle for a row consisting of 3 D6 disc magnets.
3. Use duct tape and tweezers to secure magnets to cubies and claspers
4. Test attraction between “clasper” and “cube”
   * Is it too *strong*? Does the servomotor have enough torque to disengage?
   * Is it too *weak*? Is the cube still drooping?