



3D Printer Technology Challenges



- 1) Design a piece of jewelry, keychain, or locker/ fridge magnet to give to a friend, pet, or family member

Rules: Cannot be more than 40,000 mm cubed overall volume. MUST be more creative than a simple shape with text on it.YAWN!!!! BORING!!!!

- 2) Design a picture frame (could have a magnetic back for your locker) or desktop pencil holder

Rules: This project will be printed as a hollow project. You do not need to build differently as I will simply select hollow as my print option. Just remember the limits of the machine. 45 degrees and 25mm max to defy gravity.

- 3) Design a project that has 2 or more parts that fit together. (Cell phone case? Finger crossbow?)

Rules: Your pieces must fit together!!!

- 4) Freestyle. Now that you have completed all 3 challenges, talk to Mr. Inkster about what it is you plan to build. Be creative. A simple Google search for “3D printing project ideas” will help.

Rules: Your project MUST have a use! Not a desktop TinkerToy made on TinkerCad. YAWN!!!!!!!!!!!!