

CAD High School Competition



Description-

Welcome to the High School CAD Challenge: Unlock the Mystery!

In this competition, we invite high school students to embark on a creative journey by crafting an intricate and innovative puzzle box design using the CAD software of your choice. Your mission is to design a puzzle box that is not only aesthetically pleasing but provides an engaging mental challenge.

To create your design, you can use any CAD software, utilizing assembly tools and joints to constrain and transform your creation into a labyrinth of interconnected components. Your design should demonstrate your mastery of CAD design, showcasing not only your ability to create interesting visuals but also your skill in engineering a functional and mind-bending puzzle.

This competition challenges you to think outside the box—literally—by pushing the boundaries of your CAD expertise and creative imagination. Your puzzle box will not only be judged on its visual appeal but also on its ability to captivate, challenge, and inspire curiosity.

So, unlock your potential, embrace the CAD world, and craft a puzzle box that will leave us in awe of your innovation and engineering prowess. The challenge is set, the mysteries await, and the CAD competition begins!

Rules -

1. You must be a high school student. (14-18 years old)
2. Design an original puzzle box; do not replicate existing designs.
3. You can use any CAD software for this challenge.
4. Submissions should include a 3D model file.
5. Use joints and constraints to compile the components of your design into a puzzle.
6. Provide a step-by-step written guide on how to solve the puzzle and access the interior compartments.
7. Submit your CAD files, technical drawings, and written guide in a .zip file.
8. Submission deadline: **November 15th**

Judging Criteria -

1. Creativity and Complexity: How innovative and challenging is your puzzle box design?
2. Technical Skill: How well have you utilized CAD software to create detailed 3D models and 2D drawings?
3. Functionality: Do all mechanisms of the puzzle box work smoothly?
4. Presentation: How visually appealing is the puzzle cube?

Fee - The fee to enter this competition is 8 dollars. You can pay us on PayPal or by mailing a check to our PO box. Our PayPal is <https://www.paypal.com/paypalme/radicubs>, and our PO box is 5392 Frisco, Texas 75035. When you submit your design to us, you will upload a screenshot of your PayPal payment (if you choose to pay electronically) so keep that in mind.

Prize - The prize will be a 50-dollar Amazon gift card code delivered to your inbox.

Submission - [Click here to submit your design!](#)