

# Dreams to Designs

## Engineering Day-Camp Hosted by the Valley Christian High School Underwater Robotics Team

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### Mission

Ignite a lifelong passion for innovation and problem-solving in young minds. Through hands-on activities and mentorship we aim to provide a dynamic and engaging environment where youth can explore various fields of engineering.

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### Details

- Dates: April 1st - April 5th
  - Time: 9 am - 12 pm
  - Location: Valley Christian High School
  - Campers: Students in 4th, 5th, or 6th grade
  - Completely free
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### Day-to Day Activities

- Students will participate in simple engineering projects that they are able to take home to their families. These include things like balloon hovercrafts, marble roller coasters, and rubber band helicopters
  - Students will be introduced to an elementary coding program called Scratch and allowed to explore the fun video games that can be produced using lines of code
  - Students will have the opportunity to 3D print a design of choice on the Valley Christian High School 3D printers to take home
  - Students will receive a product demonstration of the team's current underwater robot in the pool and be given the opportunity to drive it
  - Students will also be introduced to a different successful engineer every day who has to overcome significant obstacles to get to the current point in their career
  - A snack will be provided for each student during each day
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### Camp Staff

This camp is run by students on the Valley Christian High School MATE ROV team. They are passionate about engineering and inspiring the next generation of young individuals. Although the camp is run by students, at all times a Valley Christian High School staff member will be present.

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### Student Sign-Up

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Student's first and last name