



SAN DIEGO STATE UNIVERSITY

Taylor Guitars was Rad

- History of Bob Taylor and how he started his company
- How a guitar is manufactured
- How a guitar produces sound



Upcoming Events

FEA Workshop/Analysis

- **Saturday, October 20th**
- **8 AM - 4 PM**
- **\$30** for Student members of ASME or AIAA student members, sign up on our website
- Element Formulation, Variational Mechanics, Energy Methods, and More!

Ballast Point Factory tour

- **Fri. Oct 26**
- **4 PM**
- **Cost: \$5** includes tasting (21+) and glass
- Sign up Via ASME website

Engineering Club and Organization Fair

- **Week of October 16/18**
- Located in the EIS Courtyard
- Flyers coming soon

Upcoming GBM's

New time and location for remaining meetings!

4th GBM	October 22	1:00-2:00 pm	Scripps Cottage	Clear Blue Sea
5th GBM	November 5	1:00-2:00 pm	Scripps Cottage	Johnson Matthey
6th GBM	November 19	1:00-2:00 pm	Scripps Cottage	Instrumentation Laboratory



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PROJECT TEAMS

Student Design Competition

The 2019 Student Design Competition challenges your imagination and technical design skills to create a device that can quickly but carefully secure a variety of different balls that will be balancing on tube stands in the middle of a flat playing surface. You must construct a single remotely controlled device to collect as many balls as possible, and place them in a collection area – you must do this quickly, but avoid having balls fall off their stand and hit the ground. The competition will have an initial round where your device will run without competition, and then devices will compete against each other in a knockout format.



Project Schedule

SDC Project Schedule

Team Updates

TEAM 1 - Dominic Castillo

- **Team Meetings**
 - Fridays - Noon
 - Design and Manufacturing
 - Programming
- **Established design criteria**
- **Programming basics**

Contact Info:

Email: domcastillo07@gmail.com

Phone: (951)-816-737

TEAM 2 - Dylan Doan

- **Team introductions/scheduling**
- **Preliminary design sketches/solid modeling**
- **3D Printing**

Contact Info:

Email: dylandoan929@gmail.com

Phone: (408)-887-7240

Regular Meeting Schedule

Meetings will be held on Fridays from 11-2.

If you can't make it to the whole meeting because of class we will work with you.

Teams are already being set so if you are really interested in joining please review project rules and be there on Friday. Room TBA

Email Dustin: dustinaybarra@gmail.com

Phone: 909-560-4436



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PROJECT TEAMS

Human Powered Vehicle Challenge

The Human Powered Vehicle Competition applies the practical and creative side of Mechanical Engineering. The bike can be built for speed or endurance or both! The competition is judged upon its innovation, design, and then the speed comps, and endurance comp. The first stage of the competition involves the preparation of a comprehensive design report. The second part includes a demonstration of a technical innovation included in the design, a speed event (either 100 meter flying start time trial or head-to-head drag race) and a 2.5 hour endurance race held over the course of a weekend.



Project Schedule

HPVC Project Schedule

Team Update

- Chassis - Conor Vasiliadis
 - Model frame ideas
 - Welding
 - Stress Points
- Drivetrain - Jack Mckee
 - Optimal Gear Ratios
 - Optimal Wheel configurations
 - Friction
- Aerodynamics- Victor Amaya
 - Fairing
 - Full Body or Partial Body

Contact Info

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Victor A

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Next Meeting Time

Meetings are still Irregular while trying to fit everybody's schedules. Trying to lock down a meeting that works for everybody.

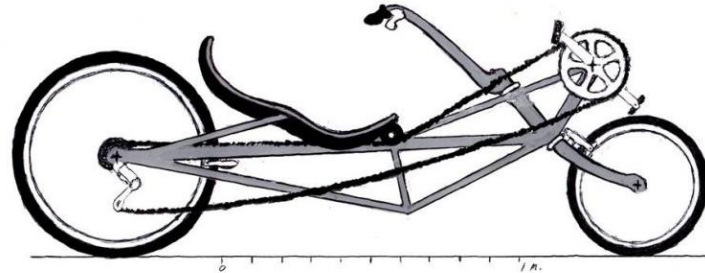
If interested, contact me:

Phone - 925-321-8760

Email - aaron.eppstein@gmail.com



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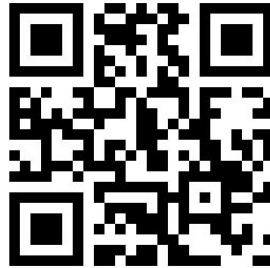
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\$15 Silver, \$20 Gold