

The background of the image is a faded, light blue crest. At the top, it says "Darien Center". Below that is a blue banner with a red border containing white stars, with the Latin phrase "Duc in Altum" written in white. The crest is divided into four quadrants. The top-left quadrant shows a sailor in a white shirt and hat, leaning over a ship's railing. The top-right quadrant shows a yellow ear of corn with green husks. The bottom-left quadrant is yellow. The bottom-right quadrant is light blue and contains a white compass rose. At the bottom of the crest is a blue ship's hull with red and white stripes.

Darien Center

*Duc in Altum*

# **TECHNOLOGY, BUSINESS AND LEADERSHIP**

**SUMMER 2018**

**JULY 14-AUGUST 11**

**Darien Club**

**7800 Cass Ave. Darien, Illinois**

The seal of the Darien Center is a shield-shaped emblem. At the top, a blue banner with white stars contains the text "Darien Center". Below this, a blue banner with the Latin phrase "Duc in Altum" is set against a red background with white stars. The shield is divided into four quadrants. The top-left quadrant shows a person in a white shirt writing on a document. The top-right quadrant features a yellow corn cob with green husks. The bottom-left quadrant is yellow. The bottom-right quadrant is blue and contains a white wheel. The bottom of the shield is decorated with red and white vertical stripes.

Darien Center

*Duc in Altum*

**Presented By**  
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# DARIEN LEADERSHIP PROGRAM

- Goals
  - Help parents raise men of character
  - Teach young men virtues and how to live them habitually on a daily basis
  - Teach young men to:
    - Overcome difficulties
    - Stick to a task until finished
    - Respect Others
    - Aspire to higher ideals
    - Begin thinking what kind of men they will become
- Run by fathers for fathers and their sons
- Above is achieved through interactive activities including
  - School year Programs: Lego League, The Launch
  - Sports
  - Summer Program



# GOALS OF SUMMER PROGRAM

- Teach critical thinking and applied problem-solving skills through research and applied projects
- Expose students to business and marketing theories and principles as applied to real life projects
- Inspire young men to become virtuous leaders. Providing them with the opportunity for one-on-one mentoring with professional men. Present key virtues that are foundational for future fathers, business, and civic leaders.

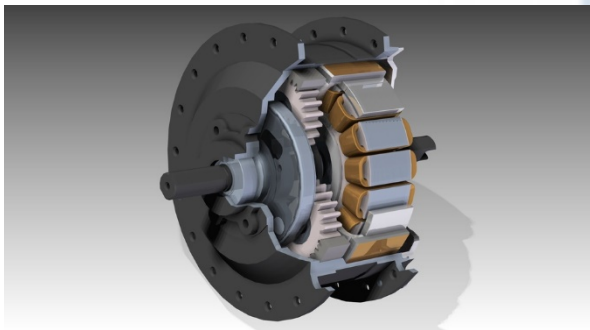


# 2016 PROJECT

## ELECTRICAL BIKE

*The 2016 project became the standard benchmark for the Darien Club Electronics Camp. With the guidance of seasoned engineers, the students electrified bicycles, installing motors, batteries, and a NOVEL CONTROLLER and TORQUE SENSOR.*

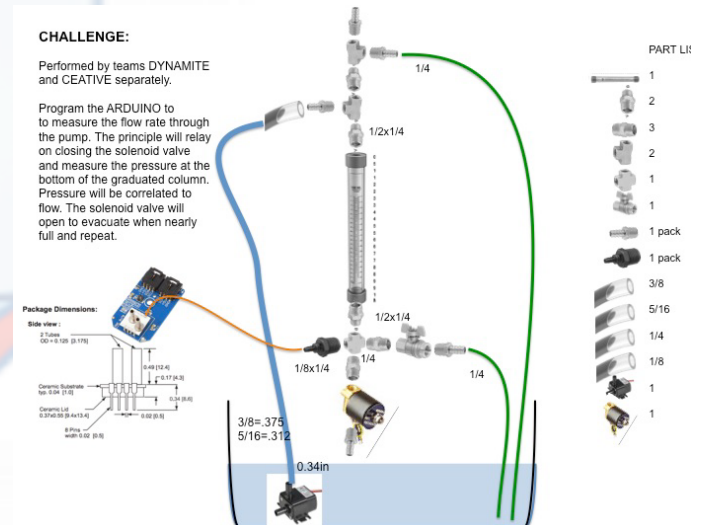
*The product became an instant success such that several electrical bicycle manufacturers are eyeing our bicycles and are interested in acquiring our design.*



# FUEL INJECTION PUMP FLOW METER



*This work was later continued and resulted in the deployment of four units in an airplane engine test facility in Wisconsin. Great work students!!*



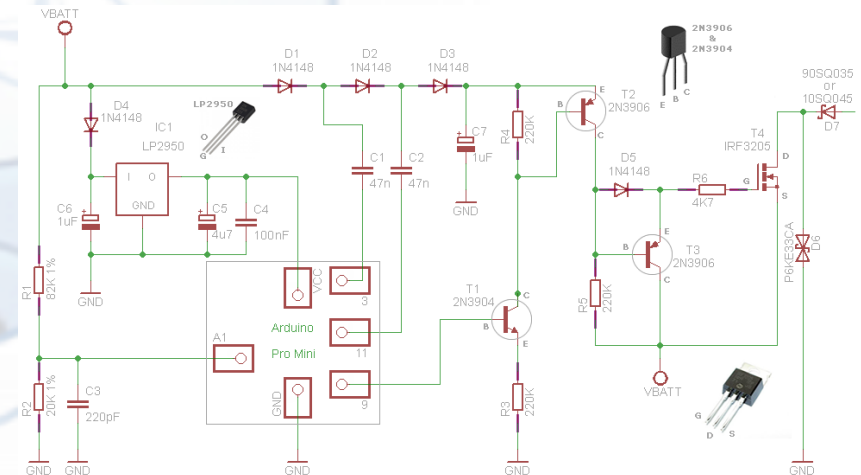
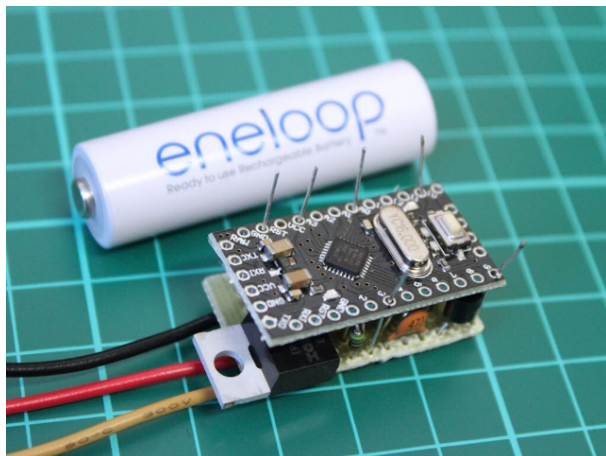


# SUMMER 2018 PROJECT

## SOLAR PANEL BATTERY CHARGE SYSTEM

*In 2018 the TECHNOLOGY, BUSINESS, AND LEADERSHIP CAMP will undertake the design of a battery charge system using a solar panel for its energy source and dedicated controller go manage the recharge rate and battery status.*

*The technical aspects of the project will be combined with a business and marketing plan to bring this product to market. Currently there had been a number of uses envisioned for this and we students to bring their own ideas to the camp.*



# SUMMER 2018 PROJECTS

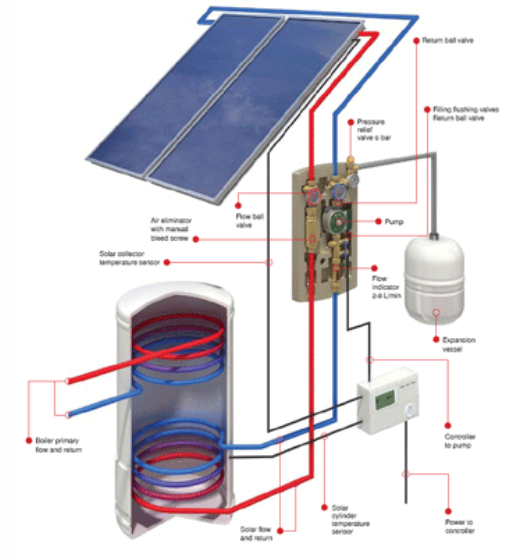
- **BUILD A SOLAR PANEL BATTERY CHARGE SYSTEM**
- **CREATE A BUSINESS PLAN FOR LAUNCHING PRODUCT**
- **EXECUTE A MARKETING PLAN**





# ENGINEERING

- Take an idea to working prototype: *draw it, do the math, do the science, **AND BUILD IT!***
- How creativity transforms an idea into break through technology.
- Learn what it takes to make a difference



# BUSINESS CLASS

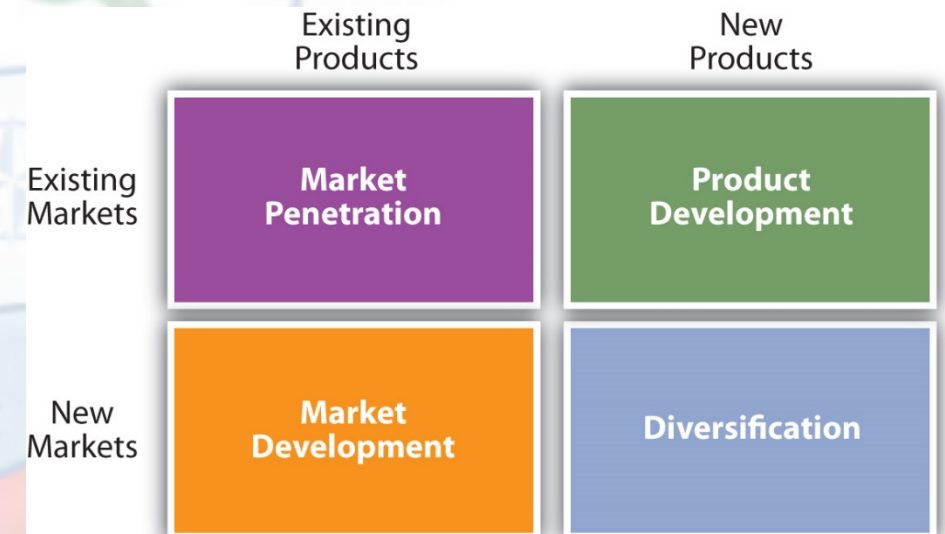
- How to transform an idea into a business
- Learn the different parts of an organization/business
- How to analyze the market
- What are sales strategies
- How to make financial projections





# MARKETING CLASS

- Learn how to launch products, ideas, and services
- Make a market analysis for THE SOLAR PANEL BATTERY CHARGER
- How to position yourself in the market
- Under take a competitive analysis
- Execute market strategy
- Learn to work within a budget
- Identify the metrics for success

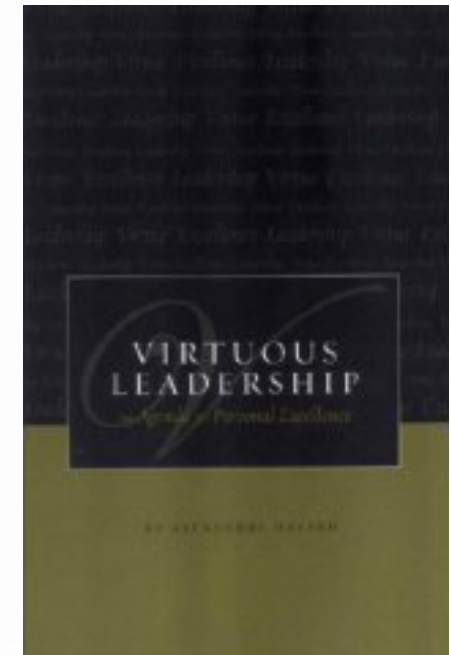






# ROAD MAP TO LEADERSHIP

- What is **Virtuous Leadership**? Program will follow the text of Alex Havard, a pioneer who has helped rediscover Christian Values in North America and Europe.
- Examples of true leaders
- Key virtues to navigate the business world
  - Magnanimity
  - Prudence
  - Courage
  - Self-control
  - Justice



# PLACE AND SCHEDULE

**Dates:** *July 14-Aug 11*

**Place:** Darien Study Center  
7800 S Cass Ave, Darien, IL 60561

## **Saturday**

9:00am Work Team Review  
9:15am Class/Workshop I – Engineering  
9:45am Class/Workshop II – Business  
10:15am Class/Workshop III – Marketing  
10:45am Concurrent Work Projects  
Engineering, Business, Marketing  
11:45am Talk  
12:00pm End

## **Tues and Thursday**

7:30pm Work Team Projects  
8:45pm All Hands Get Together and Review  
9:00pm End

# HOW TO APPLY

FILL OUT APPLICATION AND RETURN TO PRESENTER

DROP OFF OR MAIL TO:

Darien Study Club  
Attn: Dr. Willy De Ojeda  
7800 S. Cass Ave, Darien, IL 60561

BE READY FOR AN INTERVIEW

CONTACT:

Willy De Ojeda  
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