Airheads 2.0

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Mission: To measure and analyze the visible light spectrum energy
Why is it Important?

- Energy in Colorado
- It can produce 5 to 6 kWh a day per square meter
- 150 to 180 kWh per square meter a Month
This means we can apply 10 sq ft solar panels to cover 20 to 25% of people's daily consumptions.
Design: To improve upon last year experiment and succeed within color subtraction
Assembly and Testing
Challenges: Voltage Dividing and Atmospheric Temperatures

\[ V_{out} = V_{in} \cdot \frac{R_2}{R_1 + R_2} \]
Code:
Arduino Platform

Credits (Charles Engen)
Results:

Blue Wins!
Solar Panels

Series 1 = Blue
Series 2 = Green
Series 3 = Control
Series 4 = Red
Thank you for Time!