**[](https://sites.google.com/a/fivestarschools.org/l2kjones/legacy-2000/Logo.jpg?attredirects=0)**

**Sophomore Legacy 2000**

**Research and Design Presentation Schedule (Hoffman/Jones)**

All presentations are in the Legacy High School auditorium.

**Tuesday May 14th, 2013**

Period 2 (Jones)

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| Presentation | Time |
| **Increasing UV Blocking Effectiveness of Sunscreen by Studying the Degradation of Avobenzone Over Time**  *Makenna O’Grady, Bree Paulson, Sarah Stokoe, and Maxwell You* | 7:47-8:14 |

Period 8 (Hoffman)

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| Presentation | Time |
| **The Utilization of Kinetic Energy to Generate Electrical Energy Operating Under the Characteristics of Piezoelectricity**  *ChristianFemrite, Nicole Grierson, Nico Carmosino* | 2:15-2:35 |
| **Designing and Engineering a Functional Wind Turbine Built to Convert Mechanical Energy into Electrical Energy**  *Cole Watkins, Sabrina Wagner, Kia Bergstrom, Brandon Headrick* | 2:40-3:00 |

**Wednesday May 15th, 2013**

Period 2 (Jones)

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| Presentation | Time |
| **Measuring Gas Produced From Decomposition Reactions to Find a Suitable Solution to Replace Sodium Azide in Car Airbags**  *Kristyn Fudge, Hannah Skaran, and Elysia Hartojo* | 7:50-8:25 |

Period 8 (Hoffman)

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| Presentation | Time |
| **Promoting and Encouraging Recycling Through the Use of Positive and Automated Feedback**  *Jehanzeb Khan, David Molitor and Victoria Reddington* | 12:00-12:20 |

**Thursday May 16th, 2013**

Period 2 (Jones)

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| Presentation | Time |
| **Prolonging the Lifespan of Thermochromic Paint by researching UV blocking Chemicals**  *Sarah,Luke,Ashley* | 8:10-8:30 |
| **Creating an Additive to Paint that Successfully Sequesters Carbon Dioxide**  *Bailey Bradford, Ali Armacost, Taylor Barndhardt, and Rebekah Rusk* | 8:35-8:55 |

Period 8 (Hoffman)

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| Presentation | Time |
| **The design and construction of a device to condense water vapor into a potable water**  *Madison Perry, Katelyn Swisher, Janae Werkele, Jennifer Hernandez* | 2:15-2:35 |
| **The conceptualization and construction of a professionally assembled ski**  *Quinten Rodriguez, Mitco Petrov, Troy Fossett* | 2:40-3:00 |

**Friday May 17th, 2013**

Period 8 (Hoffman)

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| Presentation | Time |
| **Applying Adaptive Technology in Order to Produce a Wheelchair that can Overcome a Wide Variety of Terrains**  *Ashley Zhivotovsk. Dimario Cancanon, William McCurdy, Connor Childs* | 2:15-2:35 |
| **Searching For a Suitable Solution for Farming in a Growing Population with a Semi-Self-Sustaining Vertical Garden**  *Shannon Jennings, Rachel Israelsen, Jonathan Tibbetts* | 2:40-3:00 |

**Monday May 20th, 2013**

Periods 2 (Jones)

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| Presentation | Time |
| **The Research and Development of the Electrical Wind Powered AirUmbrella**  *Adam Trujillo, Jennifer Koenig, Kendra Gifford, and Olivia Pfannenstiel* | 8:10-8:30 |
| **Generating Electricity From Photosynthesis**  *Kevin Moore, Ayanna Hanes, Sean Valentine, Melissa Homes* | 8:35-8:55 |

Period 8 (Hoffman)

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| Presentation | Time |
| **Creating an encryption algorithm using the basic principles of cryptography and JavaScript**  *Hatteras Dunton, Johnathon Jacobsen, Emma Neybert, Christina Fread* | 2:15-2:35 |

**Tuesday May 21st, 2013**

Periods 2 (Jones)

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| Presentation | Time |
| **Research on the Reduction of Friction of Viscous Substances on Glass**  *Stefanos Koutsoukos, Brady Coates, Aly Wilson* | 8:10-8:30 |
| **Generating Electricity from the Force of Gravity**  *Jason George, Trevor Simmons, Jennifer Ramos, Jacob Stringfellow* | 8:35-8:55 |

Period 8 (Hoffman)

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| Presentation | Time |
| **TBD**  *William Comeau* | 2:15-2:35 |