**Rube Goldberg Energy Transformation ALPHA Design Document**

Block Number: \_\_\_

Team Number:\_\_\_

Member Names:

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**EACH MEMBER is responsible for their OWN 2 Energy Transformations. The ENTIRE Project should have a total of 6 UNIQUE energy transformations, and contain at least one instance of each of the following energy types:**

**-Gravitational Potential Energy**

**-Elastic Potential Energy**

**-Rotational Kinetic Energy**

**-Linear Kinetic Energy**

**Lead Team Member for this transformation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **TRANSFORMATION #1** | | | | |
| **Physical Description:** | | | **Transformation 1 Sketch:** | |
| **Analysis of all Energy Types at Point A** |  | | | **Analysis of all Energy Types at Point B** |

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| **Picture/Video documentation of completed rough ALPHA Proof of Concept for Energy Transformation 1** |

**Lead Team Member for this transformation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **TRANSFORMATION #2** | | | | |
| **Physical Description:** | | | **Transformation 1 Sketch:** | |
| **Analysis of all Energy Types at Point A** |  | | | **Analysis of all Energy Types at Point B** |

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| **Picture/Video documentation of completed rough ALPHA Proof of Concept for Energy Transformation 2** |

**Lead Team Member for this transformation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **TRANSFORMATION #3** | | | | |
| **Physical Description:** | | | **Transformation 1 Sketch:** | |
| **Analysis of all Energy Types at Point A** |  | | | **Analysis of all Energy Types at Point B** |

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| **Picture/Video documentation of completed rough ALPHA Proof of Concept for Energy Transformation 3** |

**Lead Team Member for this transformation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **TRANSFORMATION #4** | | | | |
| **Physical Description:** | | | **Transformation 1 Sketch:** | |
| **Analysis of all Energy Types at Point A** |  | | | **Analysis of all Energy Types at Point B** |

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| **Picture/Video documentation of completed rough ALPHA Proof of Concept for Energy Transformation 4** |

**Lead Team Member for this transformation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **TRANSFORMATION #5** | | | | |
| **Physical Description:** | | | **Transformation 1 Sketch:** | |
| **Analysis of all Energy Types at Point A** |  | | | **Analysis of all Energy Types at Point B** |

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| **Picture/Video documentation of completed rough ALPHA Proof of Concept for Energy Transformation 5** |

**Lead Team Member for this transformation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **TRANSFORMATION #6** | | | | |
| **Physical Description:** | | | **Transformation 1 Sketch:** | |
| **Analysis of all Energy Types at Point A** |  | | | **Analysis of all Energy Types at Point B** |

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| **Picture/Video documentation of completed rough ALPHA Proof of Concept for Energy Transformation 6** |