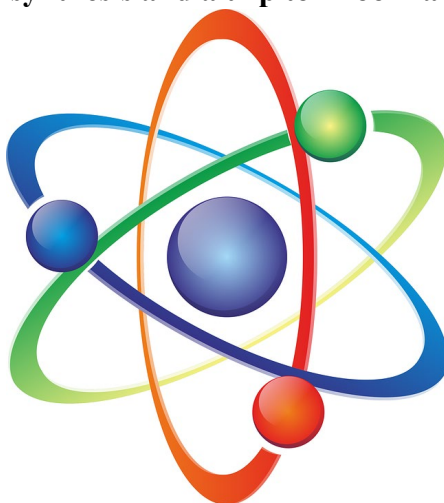


# **SUMMER SCIENCE RESEARCH FOR HIGH SCHOOL SCIENCE RESEARCH STUDENTS**

Summer students will be working on a number of projects. Some of them are listed below:

- **Getting ready for two solar eclipses on October 2023, and April 2024**
  - Study of Umbra and Penumbra Shadows
  - Launching of an High-Altitude Balloon and determining its trajectory
- **Understanding the results of NASA's DART Mission and simulation of a collision between a spacecraft and an asteroid**
- **Attitude Control in CubeSats**
- **Determining the presence of heavy metals in clams that are found in Long Island beaches**
  - **Nanomaterials synthesis and a trip to Brookhaven Laboratory**



**For more information please contact Dr. Vincent Pereira, Director of Science  
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