



# WPAFB Educational Outreach



INSPIRING STUDENTS IN STEM

October 2021

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## K-12 STEM ENQUIRER LEGACY INTERNS HILL AFB

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...Join Us Next  
Month

- Engineer's Club
- *FIRST* Happenings



### LEGACY INTERN



**RICHARD  
THOMPSON**



This summer Richard worked with the Ogden Air Logistics Complex Business Office and Aircraft Maintenance Groups. He worked to compile information on aircraft maintenance facility requirements and specifications for the F-35, A-10, and T-7A aircraft and organize it into a digital information repository. Richard Thompson is a high school senior at St. Joseph and hopes to attend Embry-Riddle Aeronautical University as an Aerospace Engineering major next fall.

### LEGACY INTERN



**MCKINLEY  
REDDEN**



This summer McKinley worked with PMEL (Precision Measurement Laboratory Equipment) and the Flight Chiefs doing Materials and Calibration Flights, Flight Failure Analysis, NDI-Eddy Current Training, and 3D Printing. McKinley Redden is a senior at NUMAES (Northern Utah Academy of Math, Engineering and Science). She plans on attending college next fall and majoring in Mechanical Engineering.

### LEGACY INTERN



**TYSON  
JASKOWIAK**



This summer Tyson worked as an intern under SES Thomas Lockhart. He helped with a SharePoint site, started a Rover Project, and Researched Information for a Drone Project called PPER. He learned Python, SolidWorks, Arduino IDE code, and how to set up an Arduino Uno. Tyson Jaskowiak is a senior at Weber High School. After graduation he plans to attend Weber State University and major in Computer Science or Computer Engineering.

### LEGACY INTERN



**NATHAN  
FRANKENFIELD**

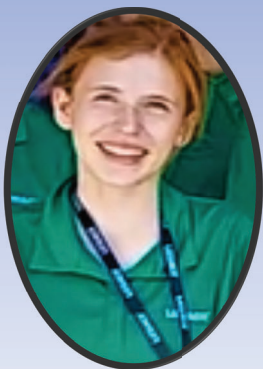


This summer Nathan worked in multiple areas on base such as PMEL (Precision Measurement Laboratory Equipment) doing measurement and calibration, and worked with the Flight Chiefs doing 3D printing, SolidWorks and much more. Nathan Frankenfield is a high school senior at NUAMES (Northern Utah Academy of Math, Engineering, and Science). He plans to attend college next fall and major in an Engineering field such as Civil or Architectural.

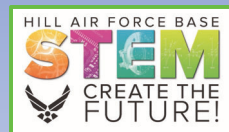


## LEGACY (cont.)

### LEGACY INTERN



### VICTORIA TAYLOR

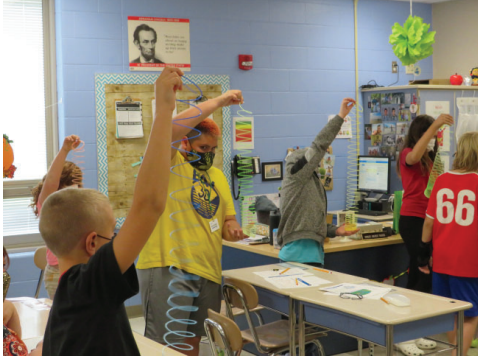
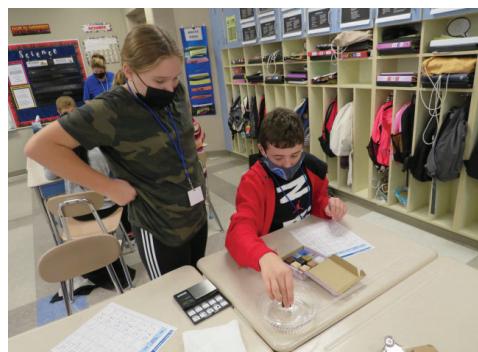
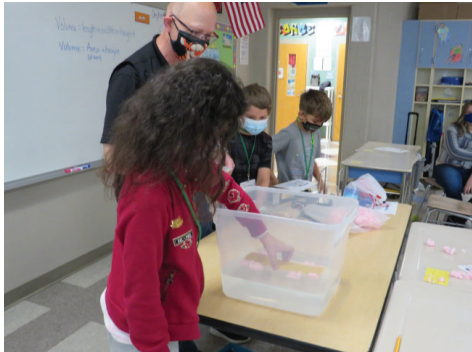


Victoria worked with the A-10 Aerodynamic Performance Analysis and the Structural Analysis Teams. She did Pointwise meshes, Simcenter modeling (CAD), and Excel organization/data entry. Victoria Taylor is a senior at NUAMES (Northern Utah Academy of Math, Engineering and Science). After graduation Victoria plans on majoring in an engineering field such as Aeronautical or Architectural.



## STARBASE

With a rise in COVID 19 numbers in the schools, STARBASE Wright-Patt is on Wheels once again! Our instructors visited Spinning Hills Middle School in the Mad River Local School district with tubs packed with fun supplies for many hands-on activities. Students explored Newton's Laws of Motion, chemistry, coding, and practiced the Engineering Design process by designing and building a restraint system for Eggbert (our beloved egg pilot)! Next month, STARBASE Wright-Patt looks forward to inviting students from Beavercreek and Kettering City Schools back into our building for more fun STEM activities. Stay tuned!



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