

RET Teacher Research Project Assignments - Summer 2017

Name	School	Course/Grade Level	Research Project Assignment and Team Members
Todd Hamilton	Academy of World Languages 2030 Fairfax Ave. Cincinnati, OH 45207	Science Grades 6 -8	Project 1: Synthesis and Characterization of Different Forms of Cu Nanoparticles to Mitigate its Leaching to Water Bodies FM/AC: Dr. George Sorial Sub AC: Dr. Margaret J. Kupferle GRA: Mr. Ayenachew Tegenaw
Kimberly Lykens	Stebbins High School 1900 Harshman Road Dayton, Ohio 45424	Biology Grade 10, Vertebrate zoology Grades 11 and 12	
Tiara Anderson	Purcell Marian High School 2935 Hackberry Cincinnati, Ohio 45206	Algebra 1 Grade 9 Integrated Mathematics 1 Grade 9, College Prep Integrated Mathematics 1 Grade 9, Advanced Integrated Mathematics 1 Grade 9	Project 2: Energy Storage Devices Based on Three Dimensional (3D) Graphene: Case Supercapacitors and Lithium–Sulfur (Li-S) Batteries FM/AC: Dr. Vesselin Shanov Sub AC: Dr. Noe Alvarez GRA: Ms. Yu-Yun Hsieh
Michael Sullivan	Princeton High School 100 Viking Way Cincinnati, Ohio 45246	STEM 2 Grade 10, STEM 3 Grade 11, Web Design and Development Grades 10-12, and Stagecraft Grades 9-12	
John McClellan	Reading High School 810 E. Columbia Ave. Reading, Ohio 45215	Geometry and Algebra II Grades 9, 11, and 12	Project 3: Bio Inspired Optimization of the Multiple Traveling Salesman Problem FM/AC: Dr. Kelly Cohen Sub AC: Dr. Jeff Kastner GRA: Ms. Jutshi Agarwal
Ryan Wright	Ryle High School 10379 US Route 42 Union, Kentucky, 41091	Biology Grades 9 and 10	
Molly Ann Hamilton	School for Creative and Performing Arts 108 W. Central Pkwy Cincinnati, OH 45202	Algebra 2 AA Grades 10- 11, Algebra 2 Grades 10- 11, and Advanced Integrated Reasoning Grades 11 and 12	Project 4: Air Quality Monitoring and Emissions Characterization Near a Major Roadway FM/AC: Dr. Sivaraman Balachandran Sub AC: Dr. Mingming Lu GRAs: Mr. Farzan Oroumiyeh and Mr. Vincent Vutai
Kathryn Roedig	Summit Country Day School 2161 Grandin R. Cincinnati, Ohio 45208	AP Environmental Science and Honors Anatomy and Physiology, Grades 11 and 12	