

Career Exploration Grant

2019 Grant Winners

April 2019



RIDE Rhode Island
Department
of Education

Background

Purpose

A goal of PrepareRI's strategic plan is to support Rhode Island middle schools in embedding both comprehensive and industry-specific career exploration into students' 6-8 experience. The backbone of career exploration in grades 6-12 is each student's Individual Learning Plan. Through the curriculum and experiences that are driven by the Individual Learning Plan (ILP) students gain broad exposure to many industries and future career opportunities. Schools are currently in various stages of implementing revised ILP programs. As schools continue to implement the ILP as a foundational experience for all students, it will be important that connected career exploration activities, informed by industry, are integrated into core content areas ensuring the sustainability of career exploration activities in each middle school. To further support schools in implementing strong programs beginning in middle school, PrepareRI is announcing grants for Career Exploration in middle school.

Career Exploration grants are intended to accelerate the integration of career exploration activities with existing learning experiences in middle school (grades 6-8). RIDE will award grants on a competitive basis to local educational agencies (LEAs) for new or existing middle school career exploration activities in an effort to create a portfolio of career exploration models that are integrated into core content areas, which are developed and/or adapted in partnership with industry representatives.



Grant Winners for 2019

For the 2019 Career Exploration Application Grant cycle, RIDE received applications from 21 schools, requesting a total \$102,029.71. A total of 18 schools have been selected to be funded for the career exploration grant. The total amount being given to funded schools is \$87,029.71. Schools will be developing tools and resources that integrate career exploration into school day coursework which can be shared statewide.

Overview of Grantees

School	District	Industry	Partner	Grant Type
Paul Cuffee Middle School	Paul Cuffee	Marine Trades	RIMTA and Herreshoff Marine Museum, Junior Achievement	Curriculum Grant
Birchwood Middle School	North Providence	Marine Trades	City Sail Inc, RIMTA, NEIT, IYRS	Implementation Grant
Martin Middle School	East Providence	Wind Energy	Green Development, URI Smile Program	Curriculum Grant
North Smithfield Middle School	North Smithfield	Engineering	PLTW	Implementation Grant
Dr. E.A. Ricci Middle School	North Providence	Robotics	IRobot, Army National Guard	Curriculum Grant
Kickemuit Middle School	Bristol-Warren	Engineering	SENEDIA	Implementation Grant
Gaudet Middle School	Middletown	Engineering	SENEDIA	Implementation Grant
Exeter-West Greenwich Junior High School	Exeter West Greenwich	16 Career Cluster Introduction	Career Game Curriculum, Naviance	Implementation Grant
Thompson Middle School	Newport	Multi-Cluster Introduction	Boys and Girls Club, Fab Lab Newport, Downtown Designs, Bike Newport	Curriculum Grant
Calcutt Middle School	Central Falls	16 Career Cluster Introduction	Inventing Heron	Curriculum Grant
Chariho	Chariho	16 Career Cluster Introduction	Inventing Heron	Implementation Grant

Deering Middle School	West Warwick	16 Career Cluster Introduction	EverFi and Junior Achievement	Implementation Grant
Slater Middle School	Pawtucket	16 Career Cluster Introduction	Junior Achievement	Implementation Grant
Goff Middle School	Pawtucket	16 Career Cluster Introduction	Junior Achievement	Implementation Grant
Jenks Middle School	Pawtucket	16 Career Cluster Introduction	Junior Achievement	Implementation Grant
Gallagher Middle School	Smithfield	16 Career Cluster Introduction	Naviance	Implementation Grant
East Bay Educational Collaborative	East Providence	16 Career Cluster Introduction	Electric Boat, Jason learning, MTTI, TPI Composites	Curriculum Grant
Ponaganset Middle School	Ponaganset	Agriculture	Pezza Farm	Implementation Grant

Grantee Details

Paul Cuffee Middle School – The school will engage industry professionals to lead career exploration activities with small groups of students during a PCMS career day. There will be a college and technical school visit day for all students to explore different options and refine their ILP goals. The school will develop a STEAM elective to complement HMM's (Herreshoff Marine Museum) after school boat building program. The 8th grade curriculum will be connected to JA career fair goals.

Birchwood Middle School - City Sail will coordinate and offer technical assistance to the Tech ed and Math instructors in the actual construction phase of the boat which will be built by students. Tech ed and Math instructors will work to teach the required measuring skills for boat building. Students who need more support in the areas of Math and ELA will be targeted along with those who have an interest in Marine trades.

Martin Middle School - Develop video simulations of classroom concepts as they relate to the real world. Presentations will be given to students from Green Development. Activities will be developed for Science as well as the Engineering program. Students will use the concepts learned in science and engineering design classes while developing a functioning wind turbine. Skype discussions will support the process of the wind turbine construction and be recorded as an audio podcast to aid in continuation of the program. 8th grade science and 8th grade engineering enrichment semester courses will include the program. Classroom activities will include guided video simulations. There will be a Guided Q& A



session with Green Development. There will be a site visit to one of Green Development's previous work locations.

North Smithfield Middle School – North Smithfield will partner with PLTW and implement their Gateway program. The required equipment for the program will be purchased to offer the modules that will be focused on. Middle School staff will attend the PLTW training. All students will have access to the PLTW classes. Two modules will be offered to students in the first year. The goal will be to expand modules in the future.

Dr. E.A. Ricci Middle School - Robotics based projects will be designed to introduce students to age appropriate experiences related to robotics careers. Students will hear from community and industry speakers, through in-person presentations, video conferencing, video clips and articles to help students explore each career path. Representatives from iRobot, and the National Guard will speak with students about the robotics career pathway in their industry. Through the SeaPerch organization students will have live conversations with scientists and engineers aboard the Nautilus. Students will use the Xello platform to further research this career pathway and reflect on their experience in the ILP. This program will be for students' grades 6-8.

Kickemuit Middle School - Teachers will be provided training and time to identify and embed hands-on activities into the existing PLTW and SeaPerch curriculum. All students, grades 6-8 will participate. Career exploration activities will be identified and integrated into PLTW classes and adapted to the curriculum, so it becomes part of the formally approved curriculum at the school. Working with SENEDIA, the school will identify field trips and guest speakers relevant to careers in engineering and computer science. The PLTW training will be broadened for teachers to include the medical detective's program, to allow student awareness of careers in bioscience.

Gaudet Middle School - Teachers will be provided training and time to identify and embed hands-on activities into the existing PLTW and SeaPerch curriculum. All students, grades 6-8 will participate. Career exploration activities will be identified and integrated into PLTW classes and adapted to the curriculum, so it becomes part of the formally approved curriculum at the school. Working with SENEDIA, the school will identify field trips and guest speakers relevant to careers in engineering and computer science. The PLTW training will be broadened for teachers to include the medical detective's program, to allow student awareness of careers in bioscience.

Exeter-West Greenwich Junior High - A Career Awareness Curriculum will be created and taught in advisory classes to all 7th graders. The Career Awareness curriculum will be written for advisory and ELA classes. The Career Game curriculum and Naviance will be used to deepen students' career exploration. A Career research project and presentation will be completed by students in ELA classes. Projects will culminate in a project board representing their career to be displayed at a Career Day event.

Thompson Middle School – Special Educators will utilize the Xello platform and develop accommodations and tools to assist in making the program more meaningful and accessible for



students. Special Educators will connect with industry to create visits for students based on the information they get from using Xello. The industry exposure will be used to assess the connection between the program and students interest in possible pathways. Reflections will be done on the alignment between industry visits and the Xello lessons.

Calcutt Middle School - Integrate the curriculum from Inventing Heron into the 7th and 8th grade Social Studies classes one-two times a week for one semester. Inventing Heron will work with three Social Studies teachers on tying the curriculum for US History into the curriculum for Inventing Heron. The Social Studies department will work together to integrate Inventing Heron and career exploration into the curriculum. The course will cover one career cluster a week and will culminate in a Social Studies cornerstone project.

Chariho Middle School - Integrate the curriculum from Inventing Heron into the advisory period for all 6th (250) graders-1x week. Inventing Heron will work with Katie Kirakosian and a teacher or school counselor to adapt their existing career cluster curriculum to the respective needs of the school.

Deering Middle School - Partnering with EVERFI and Junior Achievement Deering Middle School will bring a life skills program to West Warwick Public schools that focuses on financial education, college and career readiness and career exploration. The curriculum from these organizations will be integrated into STEM classes (a trimester encore class) and digital literacy classes (semester class). Interest inventories will be given to students. EVERFI will assist with bringing in private sector companies to present to students and organize opportunities outside of the classroom. Junior Achievement will focus on career awareness to help students identify career paths. Students will attend the Junior Achievement Career expo fair.

Slater Middle School – Slater Middle School will be collaborating with two other middle schools in Pawtucket on the project. The Junior Achievement curriculum developed by Junior Achievement that is currently being presented to grade 8 will be expanded to start career exploration with grade 6. The school will bring in speakers from numerous sectors, bring students on tours of high demand, high wage employers, and focus on teaching soft skills of interviewing. The program will link to district CTE programs and career academy pathways (cyber security, government and public relations, engineering and computer science, law and public safety, marketing and management informational tech and MCJROTC, along with the JMW Arts School). Interest inventories will be used to develop which speakers will be brought in and where tours to workplaces will take place. The school will partner with Junior Achievement to implement their Inspire curriculum and job shadowing curriculum to start in grade 6.

Goff Middle School – Goff Middle School will be collaborating with two other middle schools in Pawtucket on the project. The Junior Achievement curriculum developed by Junior Achievement that is currently being presented to grade 8 will be expanded to start career exploration with grade 6. The school will bring in speakers from numerous sectors, bring students on tours of high demand, high wage employers, and focus on teaching soft skills of interviewing. The program will link to district CTE programs and career academy pathways (cyber security, government and public relations, engineering and computer science, law and public safety, marketing and management informational tech and



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Gallagher Middle School – A group Guidance curriculum will be created for all students in grades 7 & 8. The class will be a semester long. 7th grade students will explore 16 career clusters and identify top career choices. 8th grade students will dive deeper into the career matches. An advisory curriculum will be created focusing on career exploration. This will happen one time per week for all students. Content area curricula will be created. Teams of teachers will meet to incorporate Naviance Career exploration tools into current curricula. A curriculum map will be created.

East Bay Educational Collaborative - Electric Boat will talk with students about career opportunities. The Xello platform will be used to create lessons to deepen the career exploration experience and integrate with industry speakers. The industry speakers (Electric Boat, Jason learning, MTTI, TPI Composites) will present to East Bay students as well as East Providence Middle School Students. Professional development will be given to teachers and counselors to support the integration of the lessons utilizing the Xello platform.

Ponaganset Middle School - Work with Pezza farm to build a greenhouse. Pezza farm will provide advice on greenhouse location and equipment and supplies for the greenhouse. Students will gain first-hand experience with the life cycle of plants, soil management, and water control among other topics to develop the skills of practicing professionals. Curricula modules will be developed suitable for exploratory programs in agricultural science at the middle level.

