

6th Grade: 6th Graders at RSA will be introduced to the PBIS (Project Based Inquiry in Science) curriculum, which focuses on various topics related to Physical Science. Units include: Energy, Moving Big Things, Vehicles in Motion, and Air Quality. Through project-based learning, students will apply knowledge learned to a wide variety of situations and experiences.

7th Grade: 7th Graders at RSA will continue with the PBIS Curriculum, where the focus will be on topics related to Life Science. Units include: Good Friends and Germs, Genetics, Living Together, Animals in Action, and Air Quality. This course will serve as a foundation to Regents Living Environment, a course that all 8th Graders at RSA will take. Through project-based learning, students will apply knowledge learned to a wide variety of situations and experiences.

Eighth grade Regents Living Environment Living is the basic knowledge about how living things function and how they interact with one another and their environment. This investigative laboratory course is designed to provide broad general understandings of the fundamental principles of biology and to provide an extension of understanding in selected areas. Through the year we will complete units of study with emphasis on Scientific Method, Scientific Measurement and Microscopes, Biochemistry and the Enzyme, Life Processes and the Cell, Photosynthesis and Respiration, Human Body Systems, Homeostasis, Mitosis and Meiosis, Reproduction, Genetics, Biotechnology, Evolution, Ecology, and Human Impact on the Environment. At the end of the year students will take the NYS Living Environment Regents Examination.