



## 2018-2019 Course Descriptions

**The following courses meet five days a week for one marking period:**

### Art

- **Advanced Art-** Various techniques of painting, drawing, and the use of oil and chalk pastels will be introduced in this course. Its form and craft will be presented using still life, the figure, and landscape as subjects. This course will offer an exploration of pictorial organization through collage, drawing problems, and the handling of pastels and paint. Color theory, color mixing and review of both historical and modern art references will also be introduced. **Instructor:** Mrs. Grimley
- **Pop Art-** Pop Art is an art movement that emerged in the mid-1950s in Britain and in the late 1950s in the United States. Pop art presented a challenge to traditions of fine art by including imagery from popular culture such as advertising, news, etc. In this course, students will explore the Pop Art movement through various mediums. **Instructor:** Mrs. Grimley

### Computers

- **Computer Troubleshooting-** Students will learn to troubleshoot and perform basic maintenance on computers in this hands-on course. They will disassemble and reassemble a computer, add memory, install Windows, and perform routine maintenance tasks. **Instructor:** Mr. Booth
- **Digital Camera** – Students will learn about and use iPads and digital still cameras to capture the world around them. They will learn aspects of photography including camera angles, lighting, lenses, and good visual design techniques. Photoshop software as well as iPads and iMovie will be used to film, edit, and produce short videos which will be presented to the school as the Brigantine News Network (BNN). **Instructor:** Mr. Booth

### Music

- **Music Theory-** Learn advanced music theory concepts including how to compose and create your own rhythms and beats. Students learn to write, play and perform their own rhythms on a variety of percussion instruments. Students will also have an opportunity to write, play and perform rhythms with nontraditional percussion instruments, including trashcans and basketballs. **Instructor:** Mr. Reed
- **Music Appreciation** – Learn about the history of Rock and Roll, and how the popular music you listen to today evolved. Understand how popular music has influenced and shaped our culture. Learn about the business of music and the music industry of

today, including how to start a band and get it signed to a record label. **Instructor:** Mr. Reed

**Science, Technology, Engineering, and Math (S.T.E.M.)**

- **Bridge Building-** This course covers the basics of bridge design including history, types of, building and testing of your design. An emphasis will be on the scientific method and how it applies to design techniques. **Instructor:** Mr. Wilkinson
- **Robotics** – This class will deal with the history of robots, types of robots (pneumatics and hydraulics), radio controlled, programmable and magnetic levitation. Students will be given problems dealing with robotics and will build and test solutions to the problems. Students who participate in this course will be given the option to compete in a Robotics competition in the spring. **Instructor:** Mr. Wilkinson
- **Applied Engineering-** This course covers the basics of engineering and design principles through various hands-on projects such as rocketry, environmental problem solving, etc. An emphasis will be on the scientific method and how it applies to the design process. **Instructor:** Mr. Wilkinson