

# TECHNOLOGY

WINTER 2017/ 2018

## Meet the Teacher



**M**y name is Mr. Hartman and I joined St. Peter's in the summer of 2015 as the new technology teacher. I have a BS degree in Computer Science from Penn State. I

also hold various Microsoft certifications. Previously I worked in the charter school system in Washington, DC. I also worked for the Arch-Dioecese of Washington, tasked with implementing a new student information system at over 60 elementary schools in the diocese. My career has focused on software development.

My goal is to help our students become more proficient with technology so they are better equipped to advance into high school. I believe in an atmosphere where students enjoy their time with me and learn about technology in a collaborative environment.

## Electives

**O**ur coding electives are progressing very well this year. Sixth grade is working with Scratch – a visual language which gets students started by learning the fundamentals of coding. But don't be fooled – students are developing some complex games while honing their coding skills. By the end of the school year, sixth graders will have developed some star wars and super Mario type

games. Seventh grades are working with Python which is one of the most popular coding languages in use today. In fact, Google, Yahoo and NASA all use Python as a language of choice. Eighth graders worked the first two quarters learning how to create web pages using HTML. Beginning in the 3<sup>rd</sup> quarter, students will be working with JavaScript. JavaScript is widely used in today's business environment to enhance web pages and

*Core Curriculum* Technology is offered to all students PK thru 8th grade. While PK thru 2nd grade works on fundamentals such as using the mouse and keyboard, 3rd grade and up study topics including Microsoft Word, PowerPoint, Publisher and Excel. Beginning this school year, all middle school students will be equipped with Chromebooks. With the introduction of the Chromebooks, middle school students will also have lessons in Google G Suite products (Docs, Sheets, Slides and Drive). Students from 3rd grade and up will all have a St Peter's email address. Elementary students will use their email to save their work to the 'cloud' while middle school students will use it for accessing their virtual classrooms and classroom e-books. All classes are hands-on in our computer lab. All students, PK-8, are also taught about internet safety and how, while the internet is a great learning resource, we all must be cautious and aware of the dangers on the world wide web.

make the 'data aware'. Many of the high schools are offering courses in Scratch, Python, and JavaScript which means our students will be ahead of the learning curve when they enter high school, making their transition to high school easier.