

# STEAM

SCIENCE. TECHNOLOGY. ENGINEERING. ARTS. MATHEMATICS.

## Full STEAM Ahead Fair

College for Kids & Teens are offering students the opportunity to attend Science, Technology, Engineering, Arts & Math-focused programming during the school year. Classes will be a hands-on, project-based learning experience that will give you a taste of the College for Kids & Teens summer program experience.

All class offerings will be entirely online!

Register: [uwm.edu/sce/kids](http://uwm.edu/sce/kids)  
Contact: [cfkids@uwm.edu](mailto:cfkids@uwm.edu) or  
414-227-3360

(See reverse side for details)



## College for Kids & Teens

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### Fall 2020

Saturday November 21<sup>st</sup> – Online

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#### 9am-12pm:

#### Computer Coding, Games and Fun! *(Grades 3-5)*

Learn how to code while having fun! Through Code.org you learn how to create an online dance party or an app to share with your family and friends! You also play online games and have a chance to troubleshoot games like Minecraft or Angry Birds.

#### Computer Languages:

#### Python Programming & C++ *(Grades 6-8)*

In this introductory class you learn some of the basics and applications of two of the most widely used computer languages, Python and C++, and how they relate to the rising field of data science. Even if you have no background in computer programming, you will be able to catch on and learn something new!

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**12:00-1:00pm: Lunch Break (unsupervised)**

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#### 12-1pm:

#### Cryptology *(Grades 3-5)*

Data science is the revolutionary new career path that infuses math, statistics and probability to better understand all aspects of our lives. It is a way of problem-solving and thinking using data which can be used in everyday life. Come join us in learning how to use data science to better inform yourself and your future.

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### Spring 2021

Saturday March 27<sup>th</sup> – Online

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#### 9am-12pm:

#### Spanish ABC – Birthdays, Holidays and Festivals *(Grades 3-5)*

We talk about dates, holidays and celebrations using the numbers 1-99, words for days, months and seasons along with the names of some of the holidays in Spanish-speaking countries (San Fermin, Dia de los Muertos, Carnaval, etc.)

#### Developing Video Games I & II *(Grades 6-8)*

Note: Offered both morning and afternoon

Have you ever wanted to develop your own video game? Use Game Maker and other related game design tools to learn how video games work and how to design one of your own. Amaze your friends and family with your creativity by developing a simple and fun game complete with sound, graphics and animation.

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**12:00-1:00pm: Lunch Break (unsupervised)**

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#### 12-1pm:

#### Watershed Exploration *(Grades 3-5)*

Are you looking for a reason to head outdoors to enjoy the spring weather? Would you like to know more about your local waterways? Join the UWM School of Freshwater Sciences in an exploration of watersheds. Water is key to our health and our way of life. We all need it to survive. In this class you learn about area watersheds, aquatic food systems, how water gets to your tap, and what you can do to help the Great Lakes while exploring nature.

#### Developing Video Games I & III! *(Grades 6-8)*

Note: Offered both morning and afternoon

Have you ever wanted to develop your own video game? Use Game Maker and other related game design tools to learn how video games work and how to design one of your own. Amaze your friends and family with your creativity by developing a simple and fun game complete with sound, graphics and animation.