VIRTUAL WORKSHOP SERIES

Grades 1-5:

Virtual Dash - Travel Adventurer:

Join Dash virtually, the world's greatest explorers! Learn how to program Dash to discover treasure and dodge booby traps using an intuitive graphical coding language! Learn about sequences by creating a travel story. Use loops and if statements to solve puzzles and react to the unexpected. Come put your coding knowledge and adventure training to the ultimate test!

Virtual Dash - Robot Olympics:

Meet Dash, the next Olympic athlete! Using a quick-to-learn graphical language, help Dash virtually complete feats of strength and speed. How did a lovable robot-like Dash make it all the way to the Olympic games? Create a story using sequences of Dash's rise to fame. Use functions (an important tool in coding) to turn Dash into a Soccer and Basketball player. Compete against classmates in long jumps and 100 centimetre sprints. Come learn the skills to win a gold medal in coding!

Virtual Dash - Out of this World:

Have a blast when you're using Dash, the virtual super genius! Learn how to use Dash's intuitive programming language to create patterns, improve estimation skills, test probability, solve mazes, and create music. Then, use a simple but powerful programming language to help Dash on a mission to explore the galaxies! Work your way through astronaut training, travel to distant worlds, and discover alien life. Learn the important coding skills known by all NASA computer scientists. Relay your adventure stories back to earth using sequences. Learn how to use if statements to blast alien spacecraft. Join us and take your coding skills out of this world!

VIRTUAL WORKSHOP SERIES

Grades 3 -8:

Virtual Scratch - Storytelling:

Use computer science to tell fun and interactive stories. Be creative by coding a unique animated story each day. Create a setting and learn to have your characters talk to each other in a planned dialogue. Add changes in weather like rain and lightning, different premises, new characters, a narrator, and interactive elements. Finally, create a real or imaginary story about you! Let's laugh, code, and have fun together sharing our incredible stories!

Virtual Scratch - Music and Sound:

Learn about Scratch coding virtually by creating various projects such as a dance party animation, a colourful collage with sounds by programming a repeating pattern as well as a musical talent show by programming different characters and acts to add to your show. You will also create a music video using procedures, which are new commands made up of a set of instructions. Finally, you will create a thank you project in Scratch to showcase your progress in the music and sound course!

Virtual Scratch - Friends:

Make a new friend in class! Or sign up with a friend you already know! Use coding to tell the story of how your friendship started. Create a game to learn new things about each other that you may never have known. Be creative and plan what the future with your friend might look like. Brainstorm an idea for a company you can form together. Program a prototype solution and present it to the class. Join us and discover the true value of friendship and teamwork!

Virtual Scratch - Art:

Create your own digital works of art - virtually! Use Scratch to design your own animations, create a paint editor tool, and learn how technology is used in the art world. By using conditionals, you can create an interactive graffiti application. Using pixels and "if-else" statements you are able to build a digital art project similar to photography filters using in popular software platforms like Adobe Photoshop and Instagram. Finally, create a greeting card to send to a friend or family member and tell them all about your programming experience

Virtual Scratch - Game Design:

We hope you like video games....if so this course is for you! Learn how to code by creating a new game every class. Create your own character to race, solve mazes, avoid moving traps, escape from villains, hop on platforms, and score points. Build your own version of flappy bird and challenge your classmates to beat the highest score. Let's have fun making games! and playing them too of course!

Virtual Scratch - Sports:

Use computer science to virtually simulate extreme sports and create a commentary for a big sporting event. You will also code and create a commercial of a fitness gadget of your choice and even Build a home run derby-style baseball game. Finally, build a project in which you get interviewed about what you programmed in Scratch Sports!