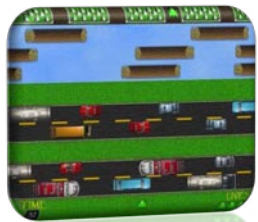


Course Descriptions

R P 4 K

Beginner & Beginner+



Our youngest first time programmers will have a blast learning fundamental computer science fundamentals with these fun and engaging game projects.

Students learn and apply their first IF statements, variables and loops to solve challenging programming puzzles, and apply basic integer algebra.



Developing & Developing+



A challenging step up from the beginner level designed for the older first time programmer, or a beginner graduate ready to learn the secrets behind two amazing arcade classics.

More advanced ways to animate and draw characters are taught along with nested IF statements, while loops, structures and slope.



Intermediate & Intermediate+



Just about every programming concept a first year university computer science student will see is utilized in these two highly popular courses for kids.

Students become fluent in the Java and C# languages while applying trigonometry, random numbers and hone important skills with vector mathematics and 2D physics.



Advanced



For our advanced students who have demonstrated they are ready for the challenge of the C++ language and are eager to explore Object Oriented design further. Students see how Windows handles event handling and input/output streams by creating their own 2D side scroller.

Advanced+



Experienced students team up with experienced instructors to form a true video game design team! Apply all skills learned so far to create just about any game idea in Java or C# XNA.

The Java Open Project course is perfect for students intending to program in post secondary. The XNA Intro course reveals how to program in 3D for the XBOX, a truly engaging way to learn.



Elite



Walk into those high school and university computer classes with total confidence, because you're an RP4K elite programmer! Students at this level tell us they feel an amazing academic advantage.

These open concept courses quickly hone strong problem solving ability through the XNA platform and later OpenGL while creating a fun and unique 3D experience.

