



Computer, Lego, Gaming & Robotics

GRADES 5 – 12

LEGO MOVIE CREATORS

GRADES 5 – 8

Have you ever wanted to make your very own feature film? Well now you can! This class gives students the basics in the movie-biz, from set design to storyboarding and special effects. Student will produce a series of movies using the popular stop-motion technique of filmmaking used in movies like *Wallace & Grommit* and *The Fantastic Mr. Fox*. What's the best part of this movie-making journey? It's all done with Legos!

Session I: June 7 – June 25 10:30 – 12:30 Program 571 \$325

LEGO INDIANA JONES MOVIE CREATORS

GRADES 5 – 8

Delve deeper into the world of Indian Jones! Students will explore the world of movie making from Raiders to Crusaders, students will explore the world behind the scenes of Indian Jones, its popularity, and how the magic came to be. Students will then put those skills to use in producing their own Lego Indiana Jones movie!

Session II: June 28 – July 16 10:30 – 12:30 Program 572 \$325

LEGO STAR WARS MOVIE CREATORS

GRADES 5 – 8

Discover the secrets of the Force on the big screen! Students will explore the epic that is *Star Wars*, learning the methods, tricks, and secrets of the movie magic onscreen and put that knowledge to use in making their own *Star Wars* inspired Lego movies!

Session II: June 28 – July 16 8:15 – 10:15 Program 573 \$325

BATTLEBOTS

GRADES 5 – 8

Are you ready to enter the Battlebot arena? Students with a passion for robotics and engineering will love working hands-on with the customizable battlebots as they learn problem-solving through a gauntlet of tricky challenges to truly leave competitors in pieces, either at the hands of the house bots, or of each other!

Session I: June 7 – June 25 10:30 – 12:30 Program 574 \$325

Session II: June 28 – July 16 8:15 – 10:15 Program 575 \$325

NEVER WINTER NIGHTS

GRADES 5 – 8

Lose yourself in the immersive world of Never Winter Nights! In this course, students will be introduced to the popular game Neverwinter Nights and learn how point-and-click adventure and role-playing game are made. Students will begin by receiving a basic knowledge of level construction, and build on that knowledge with advanced techniques, making their very own world in which to play!

Session II: June 28 – July 16 10:30 – 12:30 Program 576 \$325

GAME RAIDERS GAME DESIGN

GRADES 6 – 8

Are you up for raiding tombs, exploring crypts, and . . . video games? This course introduces students to the world of 3-D game design. Students will learn the ropes of 3-D game design, beginning with simple level layouts, lighting, sound design, and hair-pin traps, and finishing with a fully-playable game to show off to friends and family!

Session I: June 7 – June 25 8:15 – 10:15 Program 577 \$325

**GAME DESIGN****GRADES 5 - 8**

Ever wondered how gaming classics like Pong and Super Mario Bros. were made? Well now you can not only find out, but also make your very own! Game Design introduces students to the realm of two-dimensional gaming. Students learn the basics of how many of the best-known computer games to date came into existence, and will learn how to make their very own to take home with them. Don't be stuck behind the controller – start creating!

Session I:	June 7 – June 25	1:15 – 3:15	Program 578	\$325
Session II:	June 28 – July 16	1:15 – 3:15	Program 579	\$325

DROIDSTORM**GRADES 5 - 6**

Ever wish you had a robot to do all of your chores for you? This course introduces students to the expanding field of programming and engineering through the use of programmable robots. Students will begin with the basics of programming droids to accomplish simple tasks, to more complex programming of the Lego Mindstorm NXT Droid to accomplish for more complex tasks and challenges!

Session I:	June 7 – June 25	8:15 – 10:15	Program 580	\$325
Session II:	June 28 – July 16	1:15 – 3:15	Program 581	\$325

KEYBOARDING AND MORE**GRADES 5 - 12**

Finishing homework and papers can be quick and easy with typing and word processing skills! Learn how to type on a personal computer and get an introduction to word processing software at the same time. Use of the “Herzog method” to learn the keyboard will allow for more time to focus on the development of word processing skills. Games and hands-on activities will enhance your learning of the keyboard and the various ways to increase your typing speed.

Session I:	June 7 – June 25	8:15 – 10:15	Program 584	\$325
		10:30 – 12:30	Program 585	\$325
Session II:	June 28 – July 16	10:30 – 12:30	Program 586	\$325
		1:15 – 3:15	Program 587	\$325

PHOTOSHOP – PERFORM PAINLESS SURGERY**GRADES 5 -12**

Become a hero to your family and friends by using the tools in Photoshop to make everyone in those digital pictures look like a super model. You will learn how to remove red eyes, circles under eyes, blemishes, wrinkles, and even change hair color and take off a few pounds. This will be just the beginning of the makeover you can do.

Session I:	June 7 – June 25	1:15 – 3:15	Program 588	\$325
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DIGITAL ANIMATION**GRADES 6 - 8**

Create your own interactive animations using Macromedia's Flash software. Students will learn basic animation techniques such as designing and producing graphic images, creating movement and creating buttons. Students will demonstrate their knowledge of Flash by planning and producing a creative, interactive, animated movie. Movies can be shown on any computer that has a Flash plug-in.

Session I:	June 7 – June 25	10:30 – 12:30	Program 589	\$325
Session II:	June 28 – July 16	8:15 – 10:15	Program 590	\$325

WEB DESIGN**GRADES 8 - 11/CREDIT COURSE***

Web Build your own personal website by learning to use various software applications, including Adobe's Creative Design suite. You'll learn sound principles of web design, best practices and cover a variety of other technology-related topics. **This course fulfills the Hockaday computer literacy requirement.**

Sessions I & II:	June 7 – July 16	8:15 – 10:15	Program 582	\$695
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