

Valley Learning Center

Summer 2022

Learn. Create. Explore.

Learn.
CREATE.
Explore.



This activity is not sponsored by Palos School District 118, any of its schools or groups officially associated with the District.

Summer programs for students in
elementary through high school



Join our mailing list or reach
out to us with questions!

morainevalley.edu/vlc

 Moraine Valley
Community College

General Information



Register Now!

Online

morainevalley.edu/ccce/register

Phone

(708) 974-2110

In Person

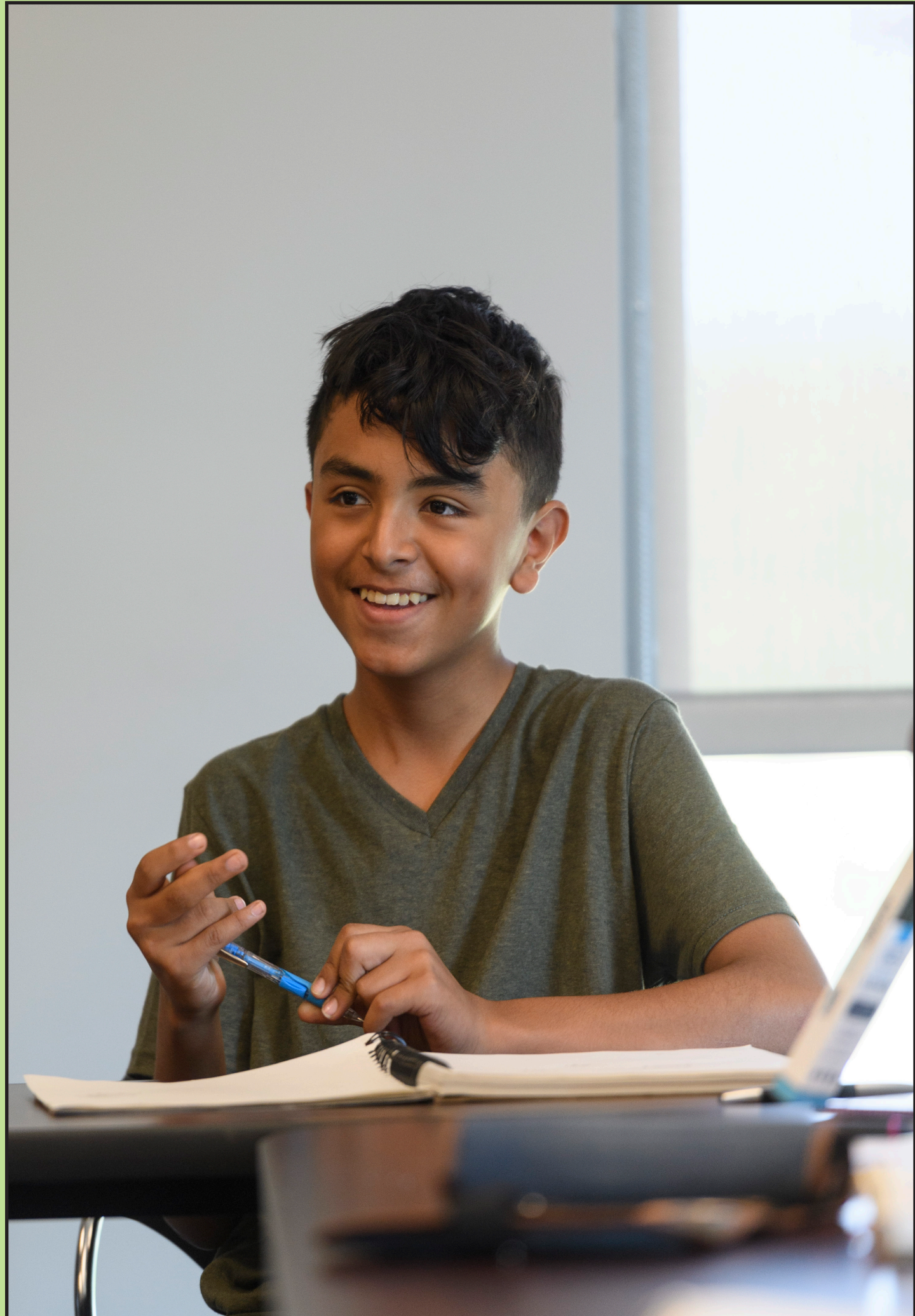
Building S, Room S103

For an appointment, call (708) 974-2110

Questions?

Contact us at (708) 974-5735 or

communityeducation@morainevalley.edu.



Check-In Tables and Student Pick-Up

Every day, students must be signed in by their parent or guardian. Students will be escorted to and from their classroom by their instructor or Moraine Valley staff.

Drop-Off and Pick-Up location*

Main Campus in Palos Hills

[Building M](#)

Located in the lobby, next to the building entrance.

[View our campus map and get directions to Building M.](#)

**Unless stated otherwise by the instructor*

Health and Safety Procedures at Moraine Valley

Valley Learning Center classes will be held in person in accordance with the college's COVID-19 protocols.

morainevalley.edu/covid

Required Forms

Each student must have the following forms completed by the first day of class.

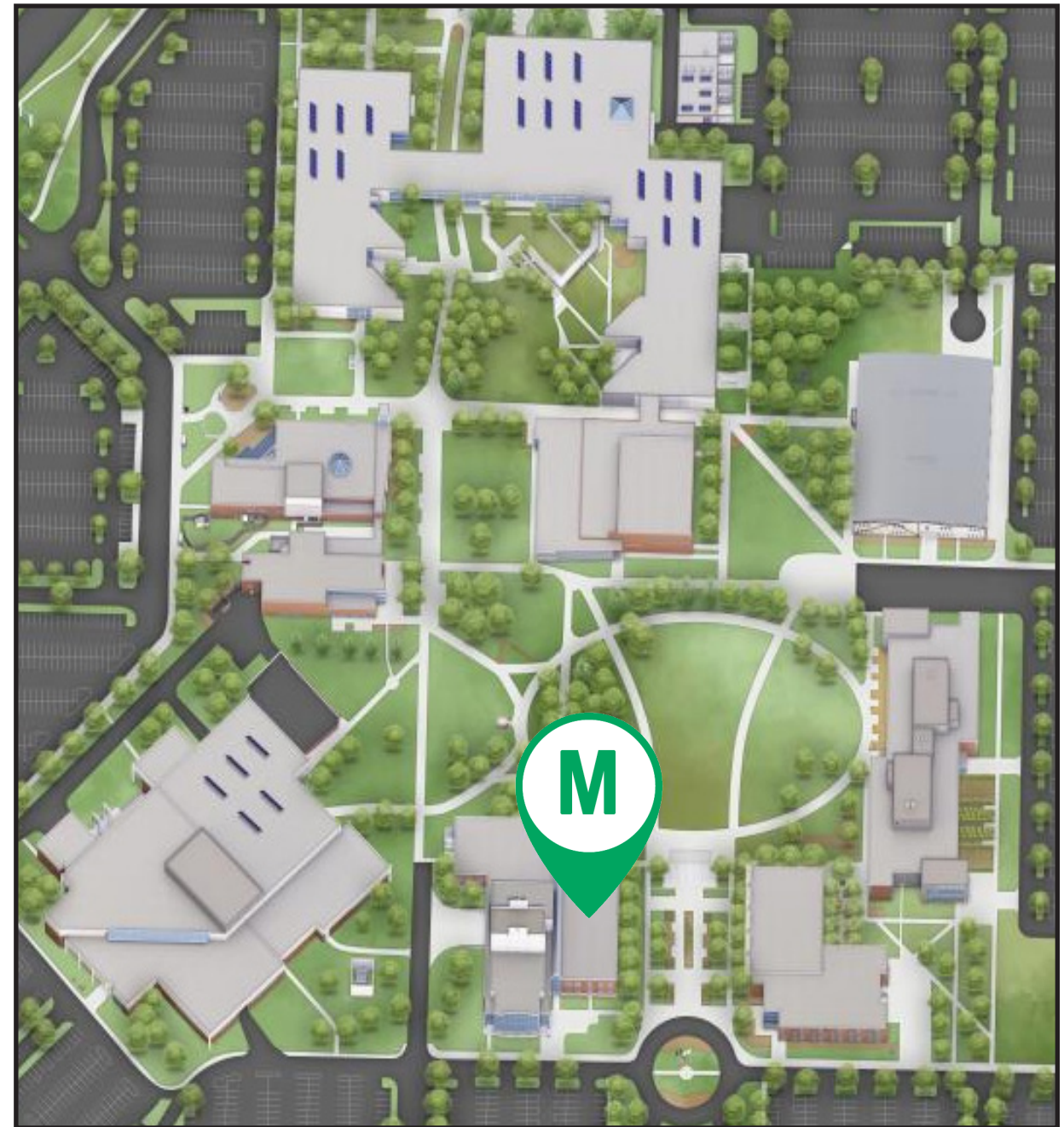
- Student Information Form
- Video and Photo Release

These forms can be found at morainevalley.edu/vlc.

Cancellations

We require a minimum number of enrolled students to run a class. To avoid inconvenience to students, staff will cancel a class three to five business days in advance of the start date and offer participants alternative classes (if applicable) or a full refund.

morainevalley.edu/vlc





Learn



Academic Skills

Algebra

The basics for junior high students ages 11-13. For students who have not had algebra. Workbook required.

PY4-360-001	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 2:30pm-4:00pm, 2Wks, Palos Hills, Rm. M208	\$79.00
PY4-360-002	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 2:30pm-4:00pm, 2Wks, Palos Hills, Rm. M208	\$90.00
PY4-360-003	Mon/Tues/Wed/Thur, Jul 25-Aug 4, 2:30pm-4:00pm, 2Wks, Palos Hills, Rm. M208	\$90.00

Algebra Refresher

A comprehensive review, starting with the basics, but assuming some prior knowledge of algebra. Workbook required.

Junior high students ages 11-13.

PY4-358-001	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 12:45pm-2:15pm, 2Wks, Palos Hills, Rm. M208	\$79.00
PY4-358-002	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 12:45pm-2:15pm, 2Wks, Palos Hills, Rm. M208	\$90.00
PY4-358-003	Mon/Tues/Wed/Thur, Jul 25-Aug 4, 12:45pm-2:15pm, 2Wks, Palos Hills, Rm. M208	\$90.00

Advanced Algebra

For the student who has a good algebraic foundation and is ready for more challenging work. Workbook required.

For students exiting their freshman or sophomore year of high school algebra.

PY4-361-001	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 2:30pm-4:00pm, 2Wks, Palos Hills, Rm. M207	\$79.00
PY4-361-002	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 2:30pm-4:00pm, 2Wks, Palos Hills, Rm. M207	\$90.00
PY4-361-003	Mon/Tues/Wed/Thur, Jul 25-Aug 4, 2:30pm-4:00pm, 2Wks, Palos Hills, Rm. M207	\$90.00

Chemistry for Curious Kids

Learn basic concepts, equipment and experiments. Children ages 10-13.

PY4-356-001	Fri, Jun 24-Aug 5, 8:00am-10:00am, 6Wks, Palos Hills, Rm. C255	\$125.00
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Chemistry for Curious Kids, Continued

Learn more advanced concepts, equipment and experiments. Children ages 10-13.

PY4-363-001	Fri, Jun 24-Aug 5, 10:00am-12:00pm, 6Wks, Palos Hills, Rm. C255	\$125.00
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Geometry

Introduces shapes and slope. Students learn how to apply these concepts in a classroom project. No book required.

Pencil, notebook, poster board, and protractor are needed. Ages 13-16.

PY4-357-001	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 12:45pm-2:15pm, 2Wks, Palos Hills, Rm. M207	\$79.00
PY4-357-002	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 12:45pm-2:15pm, 2Wks, Palos Hills, Rm. M207	\$90.00
PY4-357-003	Mon/Tues/Wed/Thur, Jul 25-Aug 4, 12:45pm-2:15pm, 2Wks, Palos Hills, Rm. M207	\$90.00

Math Challenge Camp Ages 10-13

Explore mathematics as we delve into the world around us. From under the sea to outer space, find out the foundation that math is built on and what fascinating math skills are used in various professions. Daily math challenges will sharpen your skills. What kind of background does an engineer have, an astronaut, a chemist, an architect, an astronomer? What does history have to do with math? Ages 10-13.

PY4-104-001	Tues/Wed/Thur, Jun 21-Jun 30, 12:45pm-2:15pm, 2Wks, Palos Hills, Rm. M203	\$167.00
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Math Review

Assists elementary school students in improving their basic math skills. This course is for students looking to review the math skills learned in the grade level they are exiting in order to be fully prepared for the next grade level. Book required.

PY4-350-001	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M206	\$79.00	Grade 1
PY4-350-002	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M207	\$79.00	Grade 2
PY4-350-003	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M201	\$79.00	Grade 3
PY4-350-004	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M202	\$79.00	Grade 4
PY4-350-005	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M204	\$79.00	Grade 5
PY4-350-006	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M210	\$79.00	Grade 6
PY4-350-007	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M202	\$79.00	Grade 7
PY4-350-008	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M203	\$79.00	Grade 8
PY4-350-009	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M206	\$90.00	Grade 1
PY4-350-010	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M207	\$90.00	Grade 2
PY4-350-011	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M201	\$90.00	Grade 3
PY4-350-012	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M202	\$90.00	Grade 4
PY4-350-013	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M204	\$90.00	Grade 5
PY4-350-014	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M210	\$90.00	Grade 6
PY4-350-015	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M202	\$90.00	Grade 7
PY4-350-016	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M203	\$90.00	Grade 8



Math Prep

Assists elementary school students in growing and excelling in their math skill-sets. This course is for students looking to get a head start in their next grade level. Book required.

PY4-366-001	Mon/Tues/Wed/Thur, Jul 25-Aug 4, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M206	\$90.00	Grade 1
PY4-366-002	Mon/Tues/Wed/Thur, Jul 25-Aug 4, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M207	\$90.00	Grade 2
PY4-366-003	Mon/Tues/Wed/Thur, Jul 25-Aug 4, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M201	\$90.00	Grade 3
PY4-366-004	Mon/Tues/Wed/Thur, Jul 25-Aug 4, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M202	\$90.00	Grade 4
PY4-366-005	Mon/Tues/Wed/Thur, Jul 25-Aug 4, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M204	\$90.00	Grade 5
PY4-366-006	Mon/Tues/Wed/Thur, Jul 25-Aug 4, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M210	\$90.00	Grade 6
PY4-366-007	Mon/Tues/Wed/Thur, Jul 25-Aug 4, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M202	\$90.00	Grade 7
PY4-366-008	Mon/Tues/Wed/Thur, Jul 25-Aug 4, 9:00am-10:30am, 2Wks, Palos Hills, Rm. M203	\$90.00	Grade 8

Math and Poetry

Create beautiful poetry using simple mathematics. Students create poems by using techniques such as counting syllables and lines like in haikus and sestinas. We also will dive into creating poems using letter symmetry. Students will leave with a greater appreciation for both poetry and mathematics and will have a brief introduction to more advanced techniques. Ages 12-18.

PY4-767-001	Mon/Tues, Jul 11-Jul 12, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. T921C	\$125.00
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Power Up With Words

Develop your vocabulary prowess and strengthen your knowledge and love of words through games, stories, crossword puzzles, word searches and writing activities. With this class become a verbal virtuoso who knows the difference between a dolphin and a dauphin.

PY4-388-001	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 12:45pm-2:15pm, 2Wks, Palos Hills, Rm. M201	\$90.00
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Reading Review

Assists elementary school students in improving their basic reading skills. This course is for students looking to review the reading skills learned in the grade level they are exiting to be fully prepared for the next grade level. Book required.

PY4-374-001	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M206	\$79.00	Grade 1
PY4-374-002	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M207	\$79.00	Grade 2
PY4-374-003	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M201	\$79.00	Grade 3
PY4-374-004	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M202	\$79.00	Grade 4
PY4-374-005	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M204	\$79.00	Grade 5
PY4-374-006	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M210	\$79.00	Grade 6
PY4-374-007	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M202	\$79.00	Grade 7
PY4-374-008	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M203	\$79.00	Grade 8
PY4-374-009	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M206	\$90.00	Grade 1
PY4-374-010	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M207	\$90.00	Grade 2
PY4-374-011	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M201	\$90.00	Grade 3
PY4-374-012	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M202	\$90.00	Grade 4
PY4-374-013	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M204	\$90.00	Grade 5
PY4-374-014	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M210	\$90.00	Grade 6
PY4-374-015	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M202	\$90.00	Grade 7
PY4-374-016	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M203	\$90.00	Grade 8

Reading Prep

Assists elementary school students in growing and excelling in their reading skill-sets. This course is for students looking to get a head start in their next grade level. Book required.

PY4-387-001	Mon/Tues/Wed/Thur, Jul 25-Aug 4, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M206	\$90.00	Grade 1
PY4-387-002	Mon/Tues/Wed/Thur, Jul 25-Aug 4, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M207	\$90.00	Grade 2
PY4-387-003	Mon/Tues/Wed/Thur, Jul 25-Aug 4, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M201	\$90.00	Grade 3
PY4-387-004	Mon/Tues/Wed/Thur, Jul 25-Aug 4, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M202	\$90.00	Grade 4
PY4-387-005	Mon/Tues/Wed/Thur, Jul 25-Aug 4, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M204	\$90.00	Grade 5
PY4-387-006	Mon/Tues/Wed/Thur, Jul 25-Aug 4, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M210	\$90.00	Grade 6
PY4-387-007	Mon/Tues/Wed/Thur, Jul 25-Aug 4, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M202	\$90.00	Grade 7
PY4-387-008	Mon/Tues/Wed/Thur, Jul 25-Aug 4, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M203	\$90.00	Grade 8

Study Skills

Covers outlining, taking notes, organizing assignments, keeping notebooks in order, using dictionaries and other reference materials, and planning long-range assignments. Book required.

PY4-339-001	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 12:45pm-2:15pm, 2Wks, Palos Hills, Rm. M203	\$90.00	Grades 7-8
PY4-339-002	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 2:30pm-4:00pm, 2Wks, Palos Hills, Rm. M203	\$90.00	Grades 9-10
PY4-339-003	Mon/Tues/Wed/Thur, Jul 25-Aug 4, 12:45pm-2:15pm, 2Wks, Palos Hills, Rm. M203	\$90.00	Grades 7-8
PY4-339-004	Mon/Tues/Wed/Thur, Jul 25-Aug 4, 2:30pm-4:00pm, 2Wks, Palos Hills, Rm. M203	\$90.00	Grades 9-10

Foreign Language

French, Beginning

Learn French the fun way. The language is introduced using a different theme each lesson, including songs, poems, stories, games, and simple grammar. Parent may enroll with child. Each must register and pay the fee. Book required. Ages 7-11.

PY4-120-001	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M205	\$79.00	
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French, Continued

A continuation of French Beginning with each class having a theme. Parent may enroll with child; each must register and pay the fee. Ages 7-11.

PY4-124-001	Mon/ Tues/ Wed/ Thur, Jul 11-Jul 21, 10:45am-12:15pm, 2Wks, Palos Hills, Rm. M205,	\$90.00	
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Spanish, Beginning

Learn numbers, time, courtesy phrases, and basic words. Book required.

PY4-150-001	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 12:45pm-2:15pm, 2Wks, Palos Hills, Rm. M204	\$79.00	Ages 8-10
PY4-150-002	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 2:30pm-4:00pm, 2Wks, Palos Hills, Rm. M204	\$79.00	Ages 11-14

Spanish, Continued

Continuation of basic grammar and skills. Book required. Prerequisite: PY4-150 Spanish Beginning.

PY4-151-001	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 12:45pm-2:15pm, 2Wks, Palos Hills, Rm. M204	\$90.00	Ages 8-10
PY4-151-002	Mon/Tues/Wed/Thur, Jul 11-Jul 21, 2:30pm-4:00pm, 2Wks, Palos Hills, Rm. M204	\$90.00	Ages 11-14



Create

Creative Arts and Music

Basic Drawing

Learn to draw and try out new materials. Explore techniques and methods of drawing. Bring a drawing pad (11x14” or larger), pencil and eraser. Ages 8-12.

PY4-253-001 Tues/Wed/Thur, Jun 21-Jun 30, 11:00am-1:00pm, 2Wks, Palos Hills, Rm. F159 \$79.00

Cartooning

Create cartoons, caricatures and comic strips in pencil and ink. Bring a drawing pad (11x14” or larger), pencil, eraser, and fine-point black ink pen. Ages 8-12.

PY4-251-001 Tues/Wed/Thur, Jun 21-Jun 30, 2:00pm-4:00pm, 2Wks, Palos Hills, Rm. F159 \$79.00

Creative Writing

Writing is a creative adventure. Students expand their writing skills by creating stories and poems. Bring a notebook, pens and pencils.

PY4-336-001 Mon/Tues/Wed/Thur, Jun 21-Jun 30, 12:45pm-2:15pm, 2Wks, Palos Hills, Rm. M202 \$79.00 Ages 8-11

PY4-336-002 Mon/Tues/Wed/Thur, Jun 21-Jun 30, 2:30pm-4:00pm, 2Wks, Palos Hills, Rm. M202 \$79.00 Ages 12 and up

Jewelry Making

Unleash your fashionista! Create your own jewelry pieces using clay, beads, yarn, string and more. Supplies included. Ages 8-12

PY4-721-001 Tues/Wed/Thur, Jul 26-Jul 28, 11:00am-1:00pm, 1Wk, Palos Hills, Rm. F159 \$104.00

Origami

Origami is for both beginners and more advanced folders. Students will be able to take their creations home and leave with a new skill. We also will dive into how origami is used to create fashion, advance the medical field and many other STEM examples. Ages 10-16.

PY4-766-001 Mon/Tues, Jun 13-Jun 14, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. T921C \$125.00

PY4-766-002 Tues, Jul 19, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. T921C \$125.00

Papermaking

Learn to make your own beautiful handmade paper. Experiment with different materials including flowers and yarn to create different effects. Supplies included. Ages 8-12

PY4-722-001 Tues/Wed/Thur, Jul 26-Jul 28, 2:00pm-4:00pm, 1Wk, Palos Hills, Rm. F159 \$94.00

Printmaking

Learn a variety of contemporary and traditional printmaking processes. We will be experimenting with geli prints, linocuts, and how to create your own stamps out of cardboard. Supplies included. Ages 8-12

PY4-723-001 Tues/Wed/Thur, Jul 12-Jul 21, 11:00am-1:00pm, 2Wks, Palos Hills, Rm. F159 \$114.00

Printmaking

Learn a variety of contemporary and traditional printmaking processes. We will be experimenting with geli prints, linocuts, and how to create your own stamps out of cardboard. Supplies included. Ages 13-17

PY4-723-002 Tues/Wed/Thur, Jul 12-Jul 21, 2:00pm-4:00pm, 2Wks, Palos Hills, Rm. F159 \$114.00

Recording Engineering Basics

Learn the fundamentals of sound, audio software, music production, recording engineering, mixing, mastering and songwriting. Understand record production in a recording studio. Study studio protocols and workflows used by professional music makers. First two sessions will be at the Palos Hills campus and last two sessions will be at Fragile Music Group in Orland Park. Ages 14-18.

PY4-508-001 Tues/Thur, Jul 12-Jul 21, 9:00am-12:15pm, 2Wks, Palos Hills, Rm. M205 \$200.00

Sewing for Children and Teens

Have fun learning to sew and make a great summer outfit. Bring a sewing machine to class. Supply list given at first class. Class size is limited. Ages 8 and up.

PY4-261-001 Mon/Tues/Wed/Thur, Jun 21-Jun 30, 2:30pm-4:00pm, 2Wks, Palos Hills, Rm. M210 \$109.00

PY4-261-002 Mon/Tues/Wed/Thur, Jul 11-Jul 21, 12:45pm-2:15pm, 2Wks, Palos Hills, Rm. M210 \$125.00

PY4-261-003 Mon/Tues/Wed/Thur, Jul 25-Aug 4, 12:45pm-2:15pm, 2Wks, Palos Hills, Rm. M210 \$125.00

Sewing II for Children and Teens

Continue your sewing skills. Bring a sewing machine to class. Supply list given at first class. Class size is limited. Ages 8 and up.

PY4-248-001 Mon/Tues/Wed/Thur, Jul 11-Jul 21, 2:30pm-4:00pm, 2Wks, Palos Hills, Rm. M210 \$125.00

PY4-248-002 Mon/Tues/Wed/Thur, Jul 25-Aug 4, 2:30pm-4:00pm, 2Wks, Palos Hills, Rm. M210 \$125.00

World of Art for Teens

Experience a variety of materials. Explore varied styles of art and create your masterpiece. Ages 13-17

PY4-288-001 Mon, Jul 11-Aug 1, 3:00pm-4:30pm, 4Wks, Palos Hills, Rm. F159 \$90.00





Explore



Technology, Coding and Robotics

Artistic Coding

Students will learn how to draw with code using a program called Processing. They will learn about different color combinations and how to code a variety of shapes. Students will use these new skills to create cartoon-like characters and design a background - all with code. Ages 12-18.

PY4-768-001	Wed/Thur, Jun 15-Jun 16, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. T921C	\$125.00
PY4-768-002	Wed/Thur, Jul 13-Jul 14, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. T921C	\$125.00

CSI-Moraine Valley

Experience student-level CSI investigations and how they compare to what the professionals do. Students will examine, compare, and take fingerprints, hair samples, footprints, and identify skull and bone samples. Ages 11-14.

PY4-114-001	Mon/Tues/Wed/Thur, Jun 21-Jun 30, 2:30pm-4:00pm, 2Wks, Palos Hills, Rm. M203	\$167.00
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Elementary School STEM Camp

Science, Technology, Engineering, and Mathematics! This immersive week-long course includes, digital design, 3D modeling, science, engineering, robotics, game coding, cryptography, forensics, math challenges and more.

PY4-769-001	Mon/Tues/Wed/Thur/Fri, Jun 13-Jun 17, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. TBA	\$499.00
PY4-769-002	Mon/Tues/Wed/Thur/Fri, Jul 11-Jul 15, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. TBA	\$499.00

Game Coding Camp for Teens

Learn how to create 2D games using three different programming platforms/languages: Advanced GameMaker, Advanced Android App Inventor, and Python. Students should bring a 4GB+ USB thumb drive to take home resources to continue to work and learn at home for weeks/months after the course. Ages 13-18.

PY4-770-001	Tues/Wed/Thur/Fri, Jun 21-Jun 24, 9:00am-12:00pm, 1Week, Palos Hills, Rm. T921A	\$399.00
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Junior High Game Coding Camp

Learn how to create 2D games using two different programming platforms/languages: GameMaker and Android App Inventor. Students should bring a 4GB+ USB thumb drive as resources will be provided that allow them to continue work and learning at home for weeks/months after the course. Ages 11-15.

PY4-696-001	Mon/Tues/Wed/Thur, Jun 13-Jun 16, 9:00am-12:00pm, 1Week, Palos Hills, Rm. T921A	\$399.00
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LEGO Challenge Robotics

Students will design, build and program their creations and develop essential skills such as creativity and critical thinking. Lessons are taught through a progression of challenges, culminating in advanced challenges that combine use of motors and sensors. Color/light sensors, sound sensors, touch sensors, ultrasonic sensors and two types of motors will be available for use. A variety of themed challenges (inspired by Star Wars, Marvel, Harry Potter, Minecraft, MythBusters, etc.) will provide a fun context for students to learn important engineering and coding principles. Ages 8-14.

PY4-765-001	Tues/Wed, Jun 7-Jun 8, 9:00am-12:00pm, 1Week, Palos Hills, Rm. T921C	\$199.00
PY4-765-002	Mon/Tues, Jun 27-Jun 28, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. T921C	\$199.00
PY4-765-003	Wed/Thur, Jul 27-Jul 28, 9:00am-12:00pm, 1Week, Palos Hills, Rm. T921C	\$199.00

LEGO Stop-Motion Moviemaking

Make your own stop-motion movie! Mini-fig characters from Minecraft, DC and Marvel, Star Wars, Ninjago, Harry Potter, Pirates of the Caribbean, etc. will all be available to borrow to make your blockbuster. You will brainstorm/storyboard the plot, design the set, write the script, film the stop-motion animation sequences, and edit/complete production by adding voice-overs and soundtrack. Movie-makers are welcome to bring their own special LEGO mini-figs to enhance their storyline (please limit to one-quart Ziploc bag with name on it). Completed videos will be posted to YouTube at the end of the course.

Ages 8-14.

PY4-695-001	Thur/Fri, Jun 9-Jun 10, 9:00am-12:00pm, 1Week, Palos Hills, Rm. T921C	\$199.00
PY4-695-002	Wed/Thur, Jun 29-Jun 30, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. T921C	\$199.00
PY4-695-003	Mon/Tues, Jul 25-Jul 26, 9:00am-12:00pm, 1Week, Palos Hills, Rm. T921C	\$199.00

LEGO Youth Robotics

Take your LEGO skills to the next level! Students will learn how to add motors, motion sensors, and tilt sensors to exciting models that move and react to stimulus. Students will choose from 7 predefined models to learn the basics. Toward the end of the course, they will be encouraged to “free-build” to come up with their own innovative creations. Develops confidence in robotics programming and building skills that incorporate engineering thought processes in a fun, playful way. Ages 6-10.

PY4-756-001	Tues/Thur, Jun 7-Jun 8, 9:00am-12:00pm, 1Week, Palos Hills, Rm. T921A	\$150.00
PY4-756-002	Thur/Fri, Jun 23-Jun 24, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. T921A	\$150.00
PY4-756-003	Tues/Wed, Jul 5-Jul 6, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. T921C	\$150.00
PY4-756-004	Mon/Tues, Jul 25-Jul 26, 9:00am-12:00pm, 1Week, Palos Hills, Rm. T921A	\$150.00

Lego Graphic Novel Creation Ages 6-10

Students will use their creativity to dream up a story, photograph scenes to tell the story, and then use easy-to-master software to produce their graphic stories in a comic strip format. Mini-fig characters from Minecraft, DC and Marvel, Star Wars, Ninjago, Harry Potter, Pirates of the Caribbean, etc. will all be available to borrow to make your stories. Students will be encouraged to think about the beginning, middle, and end of their story while also developing the important elements of who, what, when, where, and why. At the end of the course, students’ stories will be printed so they can show family and friends.

Ages 6-10.

PY4-694-001	Thur/Fri, Jun 9-Jun 10, 9:00am-12:00pm, 1Week, Palos Hills, Rm. T921A	\$150.00
PY4-694-002	Mon/Wed, Jun 27-Jun 29, 9:00am-12:00pm, 1Week, Palos Hills, Rm. T921A	\$150.00
PY4-694-003	Mon/Wed, Jul 18-Jul 20, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. T921A	\$150.00

Middle School STEM Camp

Science, Technology, Engineering, and Mathematics! This immersive week-long course includes digital design, 3D modeling, science, engineering, robotics, game coding, cryptography, forensics, math challenges and more.

PY4-771-001	Tues/Wed/Thur/Fri, Jun 21-Jun 24, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. TBA	\$399.00
PY4-771-002	Mon/Tues/Wed/Thur/Fri, Jul 18-Jul 22, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. TBA	\$499.00

Minecraft Mod Programming

Would you like to be able to alter your Minecraft gaming world and automate tasks? This course will introduce programming skills used to customize Minecraft worlds. Students learn how to create mods using step-by-step tutorials. Note: Students will learn in a simulated Minecraft environment - an optional \$30 annual subscription is needed (after the course) if student wants to install mods to a Minecraft server. Ages 8-14.

PY4-679-001	Tues/Wed, Jun 7-Jun 8, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. T921A	\$199.00
PY4-679-002	Mon/Wed, Jun 27-Jun 29, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. T921A	\$199.00
PY4-679-003	Mon/Wed, Jul 11-Jul 13, 9:00am-12:00pm, 1Week, Palos Hills, Rm. T921A	\$199.00

Python Coding Fun and Games Ages 10-16

Students will learn how to build amazing graphics, fun games and useful apps using Python, an easy yet powerful free programming language. Programming fundamentals like loops and conditionals will be covered. Students receive a textbook to take home and continue with at the end of course. Ages 10-16.

PY4-709-001	Thur/Fri, Jun 9-Jun 10, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. T921A	\$219.00
PY4-709-002	Mon/Wed, Jul 18-Jul 20, 9:00am-12:00pm, 1Week, Palos Hills, Rm. T921A	\$219.00

STEM Camp for Teens

Science, Technology, Engineering, and Mathematics! This immersive week-long course includes, digital design, 3D modeling, science, engineering, robotics, game coding, cryptography, forensics, math challenges and more.

PY4-722-800	Mon/Tues/Wed/Thur/Fri, Jun 27-Jul 1, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. TBA	\$499.00
PY4-722-802	Mon/Tues/Wed/Thur/Fri, Jun 27-Jul 1, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. TBA	\$499.00
PY4-772-001	Mon/Tues/Wed/Thur/Fri, Jun 27-Jul 1, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. TBA	\$499.00
PY4-772-002	Mon/Tues/Wed/Thur/Fri, Jul 25-Jul 29, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. TBA	\$499.00

Scratch Coding Fun and Games Ages 8-14

Students will learn how to build fun games, silly sound effects, and useful apps using Scratch, an easy yet powerful free programming language. Programming fundamentals like loops and conditionals will be covered. Students receive a textbook to take home and continue with at the end of course. Ages 8-14.

PY4-714-001	Mon/Wed, Jul 11-Jul 13, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. T921A	\$219.00
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Youth Gaming and Coding

Students in this course will learn the programming techniques used in games like Pokémon GO, Minecraft, Angry Birds, Flappy Bird, Plants vs. Zombies, Disney Infinity, and Club Penguin Popular characters from Minecraft, Star Wars, and Frozen will be used in challenges that help students better understand how their favorite games work. Ages 6-10.

PY4-642-001	Tues/Wed, Jun 7-Jun 8, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. T921C	\$150.00
PY4-642-002	Tues/Wed, Jun 21-Jun 22, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. T921A	\$150.00
PY4-642-003	Tues/Wed, Jul 5-Jul 6, 1:00pm-4:00pm, 1Week, Palos Hills, Rm. T921A	\$150.00
PY4-642-004	Wed/Thur, Jul 27-Jul 28, 9:00am-12:00pm, 1Week, Palos Hills, Rm. T921A	\$150.00