



Niles Township High School District 219

**Niles West High School
5701 Oakton, Skokie, IL**

Summer will be here sooner than you think. So if your child is entering grade, four, five, six, seven or eight during the upcoming school year, is curious about the how things work and is into having fun, learning something new and making new friends, then you'll want to sign them up soon.

District 219 is proud to offer the third annual summer engineering enrichment program to children in the Niles Township area. District teachers have developed activities which will immerse children in many exciting areas of engineering. This project-based, hands-on and real-world problem solving camp is based on the successful pre-engineering program of Project Lead the Way (PLTW), offered at both Niles North and Niles West High Schools. The STEM (Science, Technology, Engineering, and Math) learning activities are designed to nurture kids' imaginations, inspire creativity and thoroughly engage boys and girls of all backgrounds, igniting their passion and fueling interest in understanding how things work. Students will work together in a fun, exciting environment using leading-edge technologies to sample such disciplines as robotics, aeronautics and computer design. For more information visit our website at www.niles219.org/STEM.

For Grades 4 - 8

June 25th-29th

9:30-11:00, 11:15-12:40 & 1:00-2:25

July 9th-13th

9:30-11:00, 11:15-12:40 & 1:00-2:25

Register online at: www.skokieparkdistrict.org



OFFERINGS...



Design & Modeling 1

Campers will learn how engineers develop solutions for everyday problems. Students will model a part using 3D design software and create a working prototype.

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|-----------|-----|-----------|-------------|------|------|
| 232859-01 | M-F | 6/25-6/29 | 9:30-11:00 | \$45 | \$45 |
| 232859-03 | M-F | 6/25-6/29 | 1:00-2:25 | \$45 | \$45 |
| 232859-04 | M-F | 7/9-7/13 | 9:30-11:00 | \$45 | \$45 |
| 232859-05 | M-F | 7/9-7/13 | 11:15-12:40 | \$45 | \$45 |

Design & Modeling 2

Campers will expand upon knowledge and skills learned in the Design & Modeling 1 camp.

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|-----------|-----|-----------|-------------|------|------|
| 232864-02 | M-F | 6/25-6/29 | 11:15-12:40 | \$45 | \$45 |
| 232864-06 | M-F | 7/9-7/13 | 1:00-2:25 | \$45 | \$45 |

Bridges & Structures

Campers will learn why bridges can withstand a large amount of weight. They will also build and test their own structures using different materials.

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|-----------|-----|-----------|------------|------|------|
| 232860-01 | M-F | 6/25-6/29 | 9:30-11:00 | \$45 | \$45 |
| 232860-06 | M-F | 7/9-7/13 | 1:00-2:25 | \$45 | \$45 |

Alternative Energy

Campers will learn why alternative energies are important to our society while building a vehicle that utilizes a hydrogen fuel cell.

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|-----------|-----|-----------|------------|------|------|
| 232863-01 | M-F | 6/25-6/29 | 9:30-11:00 | \$45 | \$45 |
| 232863-06 | M-F | 7/9-7/13 | 1:00-2:25 | \$45 | \$45 |

Electronics

Campers will learn about the importance of electronics in our everyday lives. They will also create their own electronics board game counter.

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|-----------|-----|-----------|-------------|------|------|
| 232861-01 | M-F | 6/25-6/29 | 9:30-11:00 | \$45 | \$45 |
| 232861-02 | M-F | 6/25-6/29 | 11:15-12:40 | \$45 | \$45 |
| 232861-03 | M-F | 6/25-6/29 | 1:00-2:25 | \$45 | \$45 |
| 232861-04 | M-F | 7/9-7/13 | 9:30-11:00 | \$45 | \$45 |
| 232861-05 | M-F | 7/9-7/13 | 11:15-12:40 | \$45 | \$45 |
| 232861-06 | M-F | 7/9-7/13 | 1:00-2:25 | \$45 | \$45 |

Robotics 1

Campers will learn how robotics can make our lives easier. They will also learn how to build and program a robot that completes a simple task.

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|-----------|-----|-----------|-------------|------|------|
| 232862-02 | M-F | 6/25-6/29 | 11:15-12:40 | \$45 | \$45 |
| 232862-04 | M-F | 7/9-7/13 | 9:30-11:00 | \$45 | \$45 |

Robotics 2

Campers will expand upon knowledge and skills learned in the Robotics 1 camp.

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|-----------|-----|-----------|-------------|------|------|
| 232866-03 | M-F | 6/25-6/29 | 1:00-2:25 | \$45 | \$45 |
| 232866-05 | M-F | 7/9-7/13 | 11:15-12:40 | \$45 | \$45 |

Register online at www.skokieparkdistrict.org

The cost is only \$45 for each class! Cost includes T-shirt, class certificates and lab supplies.

Through their community-based partnership, the Skokie Park District and School District 219 continue to offer programs such as Sizzling Summer Engineering, increasing children's programming and leisure opportunities for the residents of Skokie and the areas served by District 219.

IMPORTANT INFORMATION...



Cost and Registration

- \$45.00 registration fee for each session
- Please register on-line at www.skokieparkdistrict.org

Location

- Classes will be held at Niles West High School, 5701 Oakton, Skokie, IL.

Drop Off & Pickup

- Parking is available at the South end of the building, accessible from Gross Point Road.
- Drop-off will take place in the bus lane at the south end of the building. Students should be dropped off at the curb – not in the middle of the bus lane or parking lot.
- Parents may escort children into the building lobby to be met by students, who can escort them to their rooms.

Lunch

- If your child is registered for multiple sessions, time is allotted for lunch.
- Lunch is not provided but the campers may bring a brown bag lunch.

Scholarships

- A limited number of scholarships are available for families in need of financial assistance. To make a request for financial assistance, please call 847-626-2079.

Faculty

- Engineering Sizzling Summer faculty are District 219 engineering teachers who are extremely knowledgeable in their teaching areas. Varied backgrounds, disciplines, and experience allow them to provide your child with enjoyable and rewarding learning experiences.

Refund Policy/Liability

- Registration fees are non-refundable once class has begun.
- Classes with low enrollment will be canceled and a full refund will be issued.

Questions

- Contact Chris Powell, Director of Applied Sciences & Technology, at chrpow@d219.org or (847) 626-2060 or Irene Kakares at 847-626-2079