



## Summer STEAM Opportunities

### ELEMENTARY SCHOOL

#### **Camp Explorations**

For application info please visit: <http://www.lsa.umich.edu/ummnh/publicprograms/summercamp>

Ages: Sessions are available for ages 6-11 and ages 8-12

Target: Student who enjoy hands-on science activities

Dates: June 6 - August 14, 2016

Cost: \$140 - \$175, additional cost for Aftercare Overnight? No

Location: Ann Arbor, UM Campus

Scholarships Available? Yes

#### **Camp Engineering – Technology Toys, Minecraft, Robotics, Future Engineer**

For application info please visit: <http://engineering.wayne.edu/cs/about/summer-camps.php>

Ages: 7 to 10

Target: Students interested in engineering and computer science

Dates: June 20 – 30; July 11 – 21; July 25 – August 4; August 8-18

Cost: \$500

Aftercare Overnight? No

Location: Wayne State University, College of Engineering

Scholarships Available? Unknown

#### **DAPCEP**

For application info please visit: <http://www.dapcep.org/programs/summer/>

Ages: Grades 3-12

Target: Students interested in STEM

Dates: July & August

Cost: Varies by camp

Overnight? Possible

Location: Varies by camp

Scholarships Available? Unknown

#### **Explore Science!**

For application info please visit: <http://science.cranbrook.edu/find-program-event/summer-camp-2016>

Ages: Entering K – 2 and 3 – 5

Target: Students who enjoy hands-on science activities

Dates: June 20 – 24; June 27 – July 1; July 11 – 15; July 18 – 22; July 25 – 29; August 1 – 5

Cost: \$295 members /\$340 non-members per week

Overnight? No

Location: Cranbrook Institute of Science

Scholarships Available? Unknown

**Explore Science! (With Optional Family Overnight)**

For application info please visit: <http://science.cranbrook.edu/find-program-event/summer-camp-2016>

Ages: Entering K – 2 and 3 – 5

Target: Students who enjoy hands-on science activities

Dates: August 8 – 11, 2016

Cost: \$245 (members) or \$295 (non-members)

Overnight? Possible

Location: Cranbrook Institute of Science

Scholarships Available? Unknown

**Michigan Science Center – Summer Science Camp 2016**

For application info please visit: <http://www.mi-sci.org/visit/family-groups/camps/>

Ages: Pre-K – 8<sup>th</sup> grade

Target: Students who enjoy hands-on science activities

Dates: June 27 – September 2, 2016

Cost: \$250/week (members) or \$280/week (non-members)

Overnight? No

Location: Michigan Science Center

Scholarships Available? Unknown

**Summer Engineering Experience for Kids (SEEK)**

For application info please visit: <http://www.nsbe.org/Seek/Registration.aspx>

Ages: Current 3<sup>rd</sup> – 5<sup>th</sup> grade

Target: Students who enjoy hands-on STEM activities

Dates: July 25 – August 12, 2016

Cost: \$50

Overnight? No

Location: MacKenzie Elementary-Middle School

Scholarships Available? Unknown

**Xplore Engineering Summer Camp**

For application info please visit: <http://www.engin.umich.edu/mconnex/info/alumni/xplore-engineering>

Ages: Alumni and their children or grandchildren grades 3th- 8th

Target: Alumni and their children or grandchildren grades 3th- 8th

Dates: June 23 & 24, 2016

Cost: Unknown – sign up to know when registration opens

Overnight? Optional

Location: Ann Arbor, UM Campus

Scholarships Available? Unknown



## Summer STEAM Opportunities

### MIDDLE SCHOOL

#### **Camp Cosmos**

For application info please visit: <http://k-12.wayne.edu/event.php?id=2145&age=&type=1&gender=&submit=Search>

Ages: 12 – 15

Target: Students interested in space science

Dates: June 20 – July 1, 2016

Cost: \$375

Aftercare Overnight? No

Location: Wayne State University

Scholarships Available? Unknown

#### **Camp Engineering – Minecraft, Robotics, Web Design, Animation & Movies**

For application info please visit: <http://engineering.wayne.edu/cs/about/summer-camps.php>

Ages: 11 to 14

Target: Students interested in engineering and computer science

Dates: June 20 – 30; July 11 – 21; July 25 – August 4; August 8-18

Cost: \$500

Aftercare Overnight? No

Location: Wayne State University, College of Engineering

Scholarships Available? Unknown

#### **Camp Explorations**

For application info please visit: <http://www.lsa.umich.edu/ummnh/publicprograms/summercamp>

Ages: Sessions are available for ages 6-11 and ages 8-12

Target: Student who enjoy hands-on science activities

Dates: June 6th - August 14th, 2016

Cost: \$140 - \$175, additional cost for Aftercare

Overnight? No

Location: Ann Arbor, UM Campus

Scholarships Available? Yes

#### **Camp Kinomaage**

For application please visit: <http://ceo.umich.edu/kinomaage/>

Ages: 6-8th Grade

Target: middle school students from Michigan Native American Tribes

Dates: June 18-23, 2016

Cost: Free Overnight?

Possible Location: University of Michigan Biological Station

Scholarships Available? Yes

### **Cranem Survival Camps**

For application info please visit: <http://science.cranbrook.edu/find-program-event/summer-camp-2016>

Ages: Entering grades 6 – 8

Target: Students interested in learning survival skills

Dates: June 11 – 15

Cost: \$395 members /\$455 non-members per week

Overnight? No

Location: Cranbrook Institute of Science

Scholarships Available? Unknown

### **DAPCEP**

For application info please visit: <http://www.dapcep.org/programs/summer/>

Ages: Grades 3-12

Target: Students interested in STEM

Dates: July & August

Cost: Varies by camp

Overnight? Possible

Location: Varies by camp

Scholarships Available? Unknown

### **Digital Inclusion**

For application info please visit: <https://www.emich.edu/summercamps/>

Ages: Current 6<sup>th</sup> – 8<sup>th</sup> graders

Target: Students interested in hands-on experience rebuilding computers

Dates: August

Cost: \$395 members /\$455 non-members per week

Overnight? No

Location: Cranbrook Institute of Science

Scholarships Available? Unknown

### **Game Design**

For application info please visit: <http://science.cranbrook.edu/find-program-event/summer-camp-2016>

Ages: Entering grades 7 – 9

Target: Students interested in designing and programming computer games

Dates: June 27 – July 1

Cost: \$395 members /\$455 non-members per week

Overnight? No

Location: Cranbrook Institute of Science

Scholarships Available? Unknown

### **Genes in Diseases and Symptoms (GIDAS) Program Camp [Computational Biology]**

For application info please visit: <http://www.mircore.org/gidas/2016-summer-camp/2016-cb-camp/>

Ages: Students finishing 8th-12th grade

Target: Academically motivated students who are interested in computers, math, biology, and medicine

Dates: August 1-5, 2016 Cost: \$485 (\$405 with premium membership)

Overnight? No

Location: Ann Arbor, UM Campus

Scholarships Available? Unknown

**GENESIS EnAct Program**

For application info please visit: <http://www.genesis3project.org/programs.html>

Ages: Rising 8th-11th grader

Target: Students interested in nursing with a 3.0 GPA or higher

Dates: June 12 – June 25, 2016

Cost: Unknown

Overnight? Unknown

Location: Ann Arbor, UM Campus

Scholarships Available? Yes

**Girls in Science and Engineering (GISE) Camp**

For application info please visit: <http://www.wise.umich.edu/wise/students/precollegestudents>

Ages: Students finishing 7th and 8th grades

Target: Girls

Dates: June 22-26, 2015

Cost: \$350

Overnight? No

Location: Ann Arbor, UM Campus

Scholarships Available? Yes

**Hack This Camp!**

For application info please visit: <http://science.cranbrook.edu/find-program-event/summer-camp-2016>

Ages: Entering 6 – 8

Target: Students interested in electronics and technology

Dates: June 25 – 29

Cost: \$525 members /\$560 non-members per week

Overnight? No

Location: Cranbrook Institute of Science

Scholarships Available? Unknown

**Math Corps**

For application info please visit: <http://www.mathcorps.org/admission/>

Ages: Current 6<sup>th</sup> – 11<sup>th</sup> graders

Target: Students in a Detroit Public School or Charter school within Detroit's city limits

Dates: July 5 – August 12, 2016

Cost: Free

Overnight? No

Location: Wayne State University

Scholarships Available? N/A

**Michigan Science Center – Summer Science Camp 2016**

For application info please visit: <http://www.mi-sci.org/visit/family-groups/camps/>

Ages: Pre-K – 8<sup>th</sup> grade

Target: Students who enjoy hands-on science activities

Dates: June 27 – September 2, 2016

Cost: \$250/week (members) or \$280/week (non-members)

Overnight? No

Location: Michigan Science Center

Scholarships Available? Unknown

**STEMinista Summer Exploration**

For application info please visit: <http://www.mi-sci.org/steminista-project/programs-and-events/>

Ages: 6<sup>th</sup> – 8<sup>th</sup> grade

Target: Girls interested in STEM

Dates: August 15 – 19, 2016

Cost: \$250

Overnight? No

Location: Michigan Science Center

Scholarships Available? Unknown

**Summer Enrichment Program (SEP)**

For application info please visit: <http://cedo.engin.umich.edu/summer-engineering-academy/>

Ages: Current 6th - 12th graders

Target: Students interested in engineering and technology

Dates: June 19 – July 29, 2016

Cost: \$25

Overnight? Possible

Location: Michigan Engineering Zone (MEZ) or the other at Grand Rapids Community College

Scholarships Available? Yes

**Xplore Engineering Summer Camp**

For application info please visit: <http://www.engin.umich.edu/mconnex/info/alumni/xplore-engineering>

Ages: Alumni and their children or grandchildren grades 3th- 8th

Target: Alumni and their children or grandchildren grades 3th- 8th

Dates: June 23 & 24, 2016

Cost: Unknown – sign up on website to know when registration opens

Overnight? Optional

Location: Ann Arbor, UM Campus

Scholarships Available? Unknown



## Summer STEAM Opportunities

### HIGH SCHOOL

#### **Academically Interested Minds (AIM)**

For application info please visit: <https://www.kettering.edu/precollege/residential#aim>

Ages: Current 11<sup>th</sup> graders

Target: Students with a strong interest in areas engineering, math, science business

Dates: July 5 – August 5, 2016

Cost: Free

Overnight? Yes

Location: Kettering University

Scholarships Available? N/A

#### **Architectural Engineering**

For application info please visit: [http://www.ltu.edu/community\\_k12/summer-camps.asp](http://www.ltu.edu/community_k12/summer-camps.asp)

Ages: 9 – 11<sup>th</sup> grade

Target: Students interested in architectural engineering

Dates: July 18 – 22, 2016

Cost: \$650 day camp/\$800 residential

Overnight? Possible

Location: Lawrence Technological University

Scholarships Available? Unknown

#### **Architecture and Interior Design, Week 1**

For application info please visit: [http://www.ltu.edu/community\\_k12/summer-camps.asp](http://www.ltu.edu/community_k12/summer-camps.asp)

Ages: 9 – 11<sup>th</sup> grade

Target: Students interested in architecture

Dates: July 18 – 22, 2016

Cost: \$650 day camp/\$800 residential

Overnight? Possible

Location: Lawrence Technological University

Scholarships Available? Unknown

#### **Automotive Engineering**

For application info please visit: [http://www.ltu.edu/community\\_k12/summer-camps.asp](http://www.ltu.edu/community_k12/summer-camps.asp)

Ages: 9 – 11<sup>th</sup> grade

Target: Students interested in automotive engineering

Dates: July 18 – 22, 2016

Cost: \$700 day camp/\$800 residential

Overnight? Possible

Location: Lawrence Technological University

Scholarships Available? Unknown

### **Biotechnology**

For application info please visit: [http://www.ltu.edu/community\\_k12/summer-camps.asp](http://www.ltu.edu/community_k12/summer-camps.asp)

Ages: 9 – 11<sup>th</sup> grade

Target: Students interested in biotechnology

Dates: July 18 – 22, 2016

Cost: \$700 day camp/\$800 residential

Overnight? Possible

Location: Lawrence Technological University

Scholarships Available? Unknown

### **Build an Android App**

For application info please visit: [http://www.ltu.edu/community\\_k12/summer-camps.asp](http://www.ltu.edu/community_k12/summer-camps.asp)

Ages: 9 – 11<sup>th</sup> grade

Target: Students interested in developing apps

Dates: July 18 – 22, 2016

Cost: \$700 day camp/\$800 residential

Overnight? Possible

Location: Lawrence Technological University

Scholarships Available? Unknown

### **Camp Cosmos**

For application info please visit: <http://k-12.wayne.edu/event.php?id=2145&age=&type=1&gender=&submit=Search>

Ages: 12 – 15

Target: Students interested in space science

Dates: June 20 – July 1, 2016

Cost: \$375

Aftercare Overnight? No

Location: Wayne State University

Scholarships Available? Unknown

### **Camp Engineering – Animation & Movies, Web Design, Video Gaming and Robotics**

For application info please visit: <http://engineering.wayne.edu/cs/about/summer-camps.php>

Ages: 15 – 18

Target: Students interested in engineering and computer science

Dates: June 20 – 30; July 11 – 21; July 25 – August 4; August 8-18

Cost: \$500 (\$50 discount for early registration by 3/12/16)

Aftercare Overnight? No

Location: Wayne State University, College of Engineering

Scholarships Available? Unknown

### **DAPCEP**

For application info please visit: <http://www.dapcep.org/programs/summer/>

Ages: Grades 3-12

Target: Students interested in STEM

Dates: July & August

Cost: Varies by camp

Overnight? Possible

Location: Varies by camp

Scholarships Available? Unknown



**Earth Camp**

For application info please visit: <http://www.earth.lsa.umich.edu/earthcamp/>

Ages: 9-10th Grade

Target: Students interested in hands on exploration of earth science

Dates: August 6-12, 2016

Cost: Free to admitted students

Overnight? Yes

Location: University of Michigan and Sleeping Bear Dunes

Scholarships Available? Unknown

**Electrical and Computer Engineering**

For application info please visit: [http://www.ltu.edu/community\\_k12/summer-camps.asp](http://www.ltu.edu/community_k12/summer-camps.asp)

Ages: 9 – 11<sup>th</sup> grade

Target: Students interested in building robots and circuits

Dates: July 18 – 22, 2016

Cost: \$650 day camp/\$800 residential

Overnight? Possible

Location: Lawrence Technological University

Scholarships Available? Unknown

**Forensic Summer Science Institute**

For application info please visit: [http://www.ltu.edu/community\\_k12/forensic-science-students.asp](http://www.ltu.edu/community_k12/forensic-science-students.asp)

Ages: 10 – 11<sup>th</sup> grade

Target: Student seriously interested in biology, chemistry, and physics

Dates: June 20 – 24, 2016

Cost: \$400/commuter or \$550/residential (includes meals)

Overnight? Possible

Location: Lawrence Technological University

Scholarships Available? Unknown

**Game Art, Week 1**

For application info please visit: [http://www.ltu.edu/community\\_k12/summer-camps.asp](http://www.ltu.edu/community_k12/summer-camps.asp)

Ages: 9 – 11<sup>th</sup> grade

Target: Students interested in video game development

Dates: July 18 – 22, 2016

Cost: \$700 day camp/\$800 residential

Overnight? Possible

Location: Lawrence Technological University

Scholarships Available? Unknown

**Genes in Diseases and Symptoms (GIDAS) Program Camp [Computational Biology]**

For application info please visit: <http://www.mircore.org/gidas/2016-summer-camp/2016-cb-camp/>

Ages: Students finishing 8th-12th grade

Target: Academically motivated students who are interested in computers, math, biology, and medicine

Dates: August 1-5, 2016

Cost: \$485 (\$405 with premium membership)

Overnight? No

Location: Ann Arbor, UM Campus

Scholarships Available? Unknown

**High School Engineering Institute (HSEI)**

For application info please visit: <http://www.egr.msu.edu/future-engineer/programs>

Ages: Current 9th-11th grade

Target: Students interested in engineering

Dates: Session 1 June 19 – 23; Session 2 June 26 – 30; Session 3 July 17 – 21; Session 4 July 24 – 28

Cost: \$825

Overnight? Yes

Location: Michigan State University

Scholarships Available? Unknown

**Industrial Design, Week 1**

For application info please visit: [http://www.ltu.edu/community\\_k12/summer-camps.asp](http://www.ltu.edu/community_k12/summer-camps.asp)

Ages: 9 – 11<sup>th</sup> grade

Target: Students interested in building robots and circuits

Dates: July 18 – 22, 2016

Cost: \$650 day camp/\$800 residential

Overnight? Possible

Location: Lawrence Technological University

Scholarships Available? Unknown

**Lives Improve Through Engineering (LITE)**

For application info please visit: <https://www.kettering.edu/precollege/residential#aim>

Ages: Current 11<sup>th</sup> graders

Target: Young ladies with a strong interest in math and science

Dates: July 17 – 29, 2016

Cost: \$1500

Overnight? Yes

Location: Kettering University

Scholarships Available? Yes

**Math Corps**

For application info please visit: <http://www.mathcorps.org/admission/>

Ages: Current 6<sup>th</sup> – 11<sup>th</sup> graders

Target: Students in a Detroit Public School or Charter school within Detroit's city limits

Dates: July 5 – August 12, 2016

Cost: Free

Overnight? No

Location: Wayne State University

Scholarships Available? N/A

**Michigan Introduction to Technology and Engineering (MITE) Camp**

For application info please visit: <http://cedo.engin.umich.edu/summer-engineering-academy/>

Ages: Current 9th -10th graders

Target: Underrepresented students

Dates: June 19 – July 1, 2016

Cost: \$300

Overnight? Yes

Location: Ann Arbor, UM Campus

Scholarships Available? Yes

**Michigan Math and Science Scholars**

For application info please visit: <http://www.math.lsa.umich.edu/mmss/index.html>

Ages: 9th-12th graders

Target: Students interested in learning more about the programs offered at UM

Dates: Sessions offered June-July of 2016

Cost: \$1200 for commuting students/session, \$2000 for residential students/session

Overnight? Residential or Commuter Option

Location: UM Ann Arbor Campus

Scholarships Available? Yes

**RobotC for Girls [Programming Camp]**

For application info please visit: <http://www.wise.umich.edu/wise/students/precollegestudents>

Ages: 9th-12th grades

Target: Girls

Dates: Summer 2016

Cost: \$350

Overnight? No

Location: Ann Arbor Campus

Scholarships Available? Yes

**Summer Enrichment Program (SEP)**

For application info please visit: <http://cedo.engin.umich.edu/summer-engineering-academy/>

Ages: Current 7th - 8th graders

Target: Students interested in engineering and technology

Dates: June 19 – July 29, 2016

Cost: \$25

Overnight? No

Location: Michigan Engineering Zone (MEZ) or the other at Grand Rapids Community College

Scholarships Available? Yes

**Summer College Engineering Exposure Program (SCEEP)**

For application info please visit: <http://cedo.engin.umich.edu/summer-engineering-academy/>

Ages: Current 11<sup>th</sup> graders

Target: Underrepresented students

Dates: July 6 – July 29 (Two sessions)

Cost: \$100

Overnight? Yes

Location: Ann Arbor, UM Campus

Scholarships Available? Yes

**Summer Engineering Exploration (SEE) Camp**

For application info please visit: <http://www.swe.engin.umich.edu/#!seecamp/caie>

Ages: Rising 9th- 12th graders

Target: Students interested in learning more about engineering through hands-on activities and tours

Dates: July 17<sup>th</sup> – July 23<sup>rd</sup> 2016

Cost: \$650

Overnight? Yes

Location: Ann Arbor, UM Campus

Scholarships Available? Yes

**Electrify Tech Camp**

For application info please visit: [www.ece.umich.edu/electrify](http://www.ece.umich.edu/electrify)

Ages: High School

Target: Open to all students

Dates: Summer 2016 (Dates to come on website)

Cost: \$400

Overnight? No

Location: Ann Arbor Campus

Scholarships Available? Yes

**C-PHOM Materials Science Research**

For application info please visit: <http://cphom.engin.umich.edu/education-and-outreach/high-school-research/>

Ages: Rising seniors (12th grade)

Target: Students interested in research with at least a 3.5 GPA

Dates: June-August 2016

Cost: Students earn a \$2800 stipend

Overnight? No

Location: Ann Arbor, UM Campus

Scholarships Available? No

**MiBytes [Computer Programming Camp]**

For application info please visit: <http://mibytes.eecs.umich.edu/>

Ages: Rising 9-12th grader, or recent high school graduate

Target: Students interested in learning more about computer science

Dates: June and July 2016

Cost: Depends on Program

Overnight? No

Location: Ann Arbor, UM Campus

Scholarships Available? Yes

**GENESIS EnAct Program**

For application info please visit: <http://www.genesis3project.org/programs.html>

Ages: Rising 8th-11th grader

Target: Students interested in nursing with a 3.0 GPA or higher

Dates: June 12 – June 25, 2016

Cost: Unknown

Overnight? Unknown

Location: Ann Arbor, UM Campus

Scholarships Available? Yes

**Pre-College Exposure Academy**

For application info please visit: <http://www.med.umich.edu/ohei/program/mhspcea.html>

Ages: Rising 10th and 11th graders

Target: Underrepresented students

Dates: June 19 – July 2, 2016

Cost: Free

Overnight? Yes