

## CHICAGO • SUMMER 2025 • PreK – Gr. 5

### Course Reference Chart, Academic Day Camps

**KEY**

**A.M.** 9a.m. – 12 noon

**P.M.** 1p.m. – 4 p.m.

**All Day** 9a.m. – 4 p.m.

### Week 1: June 30 – July 3

GRADE LEVEL	Mini Camp	AM	PM
PreK - K	Topics in Storytelling	●	
PreK – K	Topics in Math	●	
PreK – K	Topics in Life Sciences		●
PreK – K	Topics in Engineering		●
Gr. 1-2	Topics in Programming and Storytelling	●	
Gr. 1-2	Topics in Life Sciences	●	
Gr. 1-2	Topics in Math and Logic		●
Gr. 1-2	Topics in Physics and Engineering		●
Gr. 3	Topics in Storytelling and Creative Writing	●	
Gr. 3	Topics in Math, Data, and Logic	●	
Gr. 3	Topics in Life Sciences		●
Gr. 3	Topics in Design Thinking and Engineering		●
Gr. 4-5	Topics in Design Thinking and Programming	●	
Gr. 4-5	Topics in Physics and Engineering	●	
Gr. 4-5	Topics in Math, Computational Thinking, and Logic		●
Gr. 4-5	Topics in Creative Writing		●

**Week 2: July 7 – 11**

GRADE LEVEL	COURSE TITLE	SUBJECT AREA	AM	PM	ALL DAY
PreK – K	Tiny Tales: Habitats and Stories of Small Creatures	English and Language Arts; Science	●	●	
PreK – K	Magnets and Mirrors	Science		●	
PreK – K	Robot Navigation	Technology and Engineering	●	●	
PreK – K	Math in the Animal World	Mathematics	●		
Gr. 1-2	Heroes and Villains	English and Language Arts	●	●	
Gr. 1-2	Time Travelers	English and Language Arts; Social Sciences and Humanities	●		
Gr. 1-2	Fibonacci and Friends	Mathematics	●	●	
Gr. 1-2	Animal Adaptations: Zoology	Science			●
Gr. 1-2	Engineering Simple Machines	Technology and Engineering; Science			●
Gr. 3-4	The Graphic Novel	English and Language Arts			●
Gr. 3-4	Brain Surgery	Science			●
Gr. 3-4	LEGO® Architecture: Landmark Designs	Technology and Engineering			●
Gr. 4-5	Introduction to Genetics	Science			●
Gr. 4-5	Stop-Motion Storytelling	Technology and Engineering; English and Language Arts			●
Gr. 4-5	Informed Decisions: Data and Polls	Mathematics; Leadership and Service			●

**Week 3: July 14 – 18**

GRADE LEVEL	COURSE TITLE	SUBJECT AREA	AM	PM	ALL DAY
PreK - K	Doctors and Dentists	Science	●		
PreK – K	Magnets and Mirrors	Science		●	
PreK – K	Robot Navigation	Technology and Engineering	●	●	
PreK – K	Math You Can See	Mathematics	●		
Gr. 1-2	Kitchen Chemistry	Science	●	●	
Gr. 1-2	Fibonacci and Friends	Mathematics		●	
Gr. 1-2	Awesome Explosions and Collisions	Science			●
Gr. 1-2	Engineering Simple Machines	Technology and Engineering; Science			●
Gr. 1-2	Are You My Perfect Pet: Mathematical Decision Making	Mathematics			●
Gr. 3-4	Journalism 101	English and Language Arts; Social Sciences and Humanities			●
Gr. 3-4	Brain Surgery	Science			●
Gr. 3-4	LEGO® Architecture: Landmark Designs	Technology and Engineering			●
Gr. 4-5	Fiction Writing: Plot and Pace	English and Language Arts			●
Gr. 4-5	Biomimicry: Nature, Adaptations, and Engineering	Science; Technology and Engineering			●
Gr. 4-5	Invention Convention	Technology and Engineering			●

**Week 4: July 21 – 25**

GRADE LEVEL	COURSE TITLE	SUBJECT AREA	AM	PM	ALL
PreK – K	Birds and Nests	Science; Technology and Engineering	●	●	
PreK – K	Water on Earth	Science	●		
PreK – K	Puzzle Party	Mathematics	●	●	
Gr. 1-2	Getting Down to Business	Entrepreneurship and Economics	●	●	
Gr. 1-2	Treasure Hunt: Math and Maps	Mathematics	●	●	
Gr. 1-2	Fantastical Creature in Fact and Fiction	English and Language Arts			●
Gr. 1-2	Grossology	Science			●
Gr. 1-2	Are You My Perfect Pet: Mathematical Decision Making	Mathematics			●
Gr. 3-4	How Things Work: Electronics, Censors and Circuits	Technology and Engineering; Science			●
Gr. 3-4	Coding: Break It, Build It	Technology and Engineering			●
Gr. 3-4	Geometry Unfolded: Spatial Reasoning in 2D & 3D	Mathematics			●
Gr. 4-5	Grassroots Publishing: The World of Zines	English and Language Arts			●
Gr. 4-5	Architecture: Proportion, Physics and Problem Solving	Technology and Engineering; Mathematics; Social Sciences and Humanities			●
Gr. 4-5	Informed Decisions: Data and Polls	Mathematics; Leadership and Service			●

**Week 5: July 28 – August 1**

GRADE LEVEL	COURSE TITLE	SUBJECT AREA	AM	PM	ALL
PreK – K	If I Ran the Zoo	English and Language Arts; Science	●	●	
PreK – K	Under the Sea: Marine Biology 101	Science	●		
PreK – K	Math You Can See	Mathematics	●	●	
Gr. 1-2	Time Travelers	English and Language Arts; Social Sciences and Humanities	●	●	
Gr. 1-2	If Rocks Could Talk	Science	●	●	
Gr. 1-2	Fantastical Creatures in Fact and Fiction	English and Language Arts			●
Gr. 1-2	Rocket Science: Blast off with Newton	Science			●
Gr. 1-2	Tangible Math	Mathematics			●
Gr. 3-4	The Graphic Novel	English and Language Arts			●
Gr. 3-4	Big Bang and Beyond	Science			●
Gr. 3-4	Coding: Break It, Build It	Technology and Engineering			●
Gr. 4-5	Novel Engineering	English and Language Arts; Technology and Engineering			●
Gr. 4-5	Making Waves: The Physics of Sight and Sound	Science			●
Gr. 4-5	Robotics with Microcontrollers	Technology and Engineering			●

**Week 6: August 4 – August 8**

GRADE LEVEL	COURSE TITLE	SUBJECT AREA	AM	PM	ALL
PreK – K	If I Ran the Zoo	English and Language Arts; Science		•	
PreK – K	Water on Earth	Science	•	•	
PreK – K	Math in the Animal World	Mathematics	•	•	
Gr. 1-2	Heroes and Villains	English and Language Arts	•		
Gr. 1-2	If Rocks Could Talk	Science		•	
Gr. 1-2	Treasure Hunt: Math and Maps	Mathematics	•	•	
Gr. 1-2	Awesome Explosions and Collisions	Science			•
Gr. 1-2	Storytelling with Scratch	Technology and Engineering; English and Language Arts			•
Gr. 1-2	Tangible Math	Mathematics			•
Gr. 3-4	Journalism 101	English and Language Arts; Social Sciences and Humanities			•
Gr. 3-4	How Things Work: Electronics, Sensors and Circuits	Technology and Engineering			•
Gr. 3-4	Math Logic: Brain Games	Mathematics			•
Gr. 4-5	Print Design: Media Studies	Social Sciences and Humanities			•
Gr. 4-5	Farms of the Future	Science; Technology and Engineering			•
Gr. 4-5	Survivor Math	Mathematics			•