

## CHICAGO • SUMMER 2023 • PreK – Gr. 6

### Course Reference Chart, Academic Day Camps

#### KEY

A.M. 9a.m. – 12 noon

P.M. 1p.m. – 4p.m.

All Day 9a.m. – 4p.m.

#### Week 1: June 26 – 30

| GRADE LEVEL | COURSE TITLE                          | SUBJECT AREA             | AM | PM | ALL |
|-------------|---------------------------------------|--------------------------|----|----|-----|
| PreK – K    | Robot Navigation                      | Technology & Engineering | •  |    |     |
| PreK – K    | If I Ran the Zoo                      | English & Language Arts  | •  |    |     |
| PreK – K    | Puzzle Party                          | Math                     |    | •  |     |
| Gr. 1-2     | Grossology                            | Science                  |    |    | •   |
| Gr. 1-2     | Rocket Science: Blast Off with Newton | Science                  |    |    | •   |
| Gr. 1-2     | Animal Adaptations: Zoology           | Science                  |    |    | •   |
| Gr. 3-4     | Brain Games: Math Logic               | Math                     |    |    | •   |
| Gr. 3-4     | Brain Surgery                         | Science                  |    |    | •   |
| Gr. 4-5     | Civil Engineering with LEGO®          | Technology & Engineering |    |    | •   |
| Gr. 4-5     | Survivor Math                         | Math                     |    |    | •   |
| Gr. 4-5     | Novel Engineering                     | English & Language Arts  |    |    | •   |

## Week 2: July 10 - 14

| GRADE LEVEL | COURSE TITLE                                       | SUBJECT AREA             | AM | PM | ALL |
|-------------|--|--------------------------|----|----|-----|
| PreK – K    | Fast and Faster                                    | Science                  | •  | •  |     |
| PreK – K    | Math in the Animal World                           | Math                     | •  |    |     |
| Gr. 1-2     | Storytelling with Scratch                          | Technology & Engineering |    |    | •   |
| Gr. 1-2     | Kitchen Chemistry                                  | Science                  |    |    | •   |
| Gr. 1-2     | Fantastical Creatures in Fact and Fiction          | English & Language Arts  |    |    | •   |
| Gr. 3-4     | Comic Book Characters                              | English & Language Arts  |    |    | •   |
| Gr. 3-4     | Brain Surgery                                      | Science                  |    |    | •   |
| Gr. 3-4     | Coding: Break It, Build It                         | Technology & Engineering |    |    | •   |
| Gr. 4-5     | Stop-Motion Storytelling                           | Technology & Engineering |    |    | •   |
| Gr. 4-5     | Introduction to Genetics                           | Science                  |    |    | •   |
| Gr. 5-6     | Detective Science (Week 1 of 2)                    | Science                  |    |    | •   |
| Gr. 5-6     | Brain Science (Week 1 of 2)                        | Science                  |    |    | •   |
| Gr. 5-6     | Debate and Discourse: Current Events (Week 1 of 2) | English & Language Arts  |    |    | •   |
| Gr. 5-6     | The Math of Games (Week 1 of 2)                    | Math                     |    |    | •   |

## Week 3: July 17 - 21

| GRADE LEVEL | COURSE TITLE   | SUBJECT AREA             | AM | PM | ALL |
|-------------|--|--------------------------|----|----|-----|
| PreK – K    | Doctors and Dentists                                   | Science                  | •  | •  |     |
| PreK – K    | Puppet Productions                                     | English & Language Arts  | •  |    |     |
| Gr. 1-2     | Engineering Simple Machines                            | Technology & Engineering |    |    | •   |
| Gr. 1-2     | Grossology   | Science                  |    |    | •   |
| Gr. 1-2     | Treasure Hunt: Math and Maps                           | Math                     |    |    | •   |
| Gr. 3-4     | Geometry Unfolded: Spatial Reasoning in 2D & 3D        | Math                     |    |    | •   |
| Gr. 3-4     | How Things Work: Electronics, Sensors, and Circuits    | Technology & Engineering |    |    | •   |
| Gr. 3-4     | LEGO® Architecture: Landmark Designs                   | Technology & Engineering |    |    | •   |
| Gr. 4-5     | Architecture: Proportion, Physics, and Problem-Solving | Technology & Engineering |    |    | •   |
| Gr. 5-6     | Detective Science (Week 2 of 2)                        | Science                  |    |    | •   |
| Gr. 5-6     | Brain Science (Week 2 of 2)                            | Science                  |    |    | •   |
| Gr. 5-6     | Debate and Discourse: Current Events (Week 2 of 2)     | English & Language Arts  |    |    | •   |
| Gr. 5-6     | The Math of Games (Week 2 of 2)                        | Math                     |    |    | •   |

## Week 4: July 24 - 28

| GRADE LEVEL | COURSE TITLE  | SUBJECT AREA             | AM | PM | ALL |
|-------------|---|--------------------------|----|----|-----|
| PreK – K    | If I Ran the Zoo  | English & Language Arts  | •  | •  |     |
| PreK – K    | Surprising Spills and Messes  | Science                  | •  | •  |     |
| Gr. 1-2     | Awesome Explosions and Collisions                                       | Science                  |    |    | •   |
| Gr. 1-2     | Animal Adaptations: Zoology   | Science                  |    |    | •   |
| Gr. 1-2     | Are You My Perfect Pet: Mathematical Decision Making                    | Math                     |    |    | •   |
| Gr. 3-4     | Journalism 101  | English & Language Arts  |    |    | •   |
| Gr. 3-4     | Physics: Force and Motion   | Science                  |    |    | •   |
| Gr. 3-4     | Coding: Break It, Build It  | Technology & Engineering |    |    | •   |
| Gr. 4-5     | Civil Engineering with LEGO <sup>®</sup>                                | Technology & Engineering |    |    | •   |
| Gr. 4-5     | Survivor Math   | Math                     |    |    | •   |
| Gr. 5-6     | Machine Physics (Week 1 of 2)   | Science                  |    |    | •   |
| Gr. 5-6     | Green Design: Engineering Solutions for a Changing Planet (Week 1 of 2) | Technology & Engineering |    |    | •   |
| Gr. 5-6     | Creative Writing: Fan Fiction Workshop (Week 1 of 2)                    | English & Language Arts  |    |    | •   |

## Week 5: July 31 – August 4

| GRADE LEVEL | COURSE TITLE  | SUBJECT AREA             | AM | PM | ALL |
|-------------|---|--------------------------|----|----|-----|
| PreK – K    | Magnets and Mirrors   | Science                  | •  | •  |     |
| PreK – K    | Math for Sports   | Math                     | •  |    |     |
| PreK – K    | Mouse House: Tiny Habitats in Stories and Nature                        | English & Language Arts  |    | •  |     |
| Gr. 1-2     | Rocket Science: Blast Off with Newton                                   | Science                  |    |    | •   |
| Gr. 1-2     | Fibonacci and Friends   | Math                     |    |    | •   |
| Gr. 1-2     | Heroes and Villains   | English & Language Arts  |    |    | •   |
| Gr. 3-4     | Brain Games: Math Logic   | Math                     |    |    | •   |
| Gr. 3-4     | LEGO® Architecture: Landmark Designs                                    | Technology & Engineering |    |    | •   |
| Gr. 4-5     | Robotics with Microcontrollers  | Technology & Engineering |    |    | •   |
| Gr. 4-5     | Novel Engineering   | English & Language Arts  |    |    | •   |
| Gr. 5-6     | Machine Physics (Week 2 of 2)   | Science                  |    |    | •   |
| Gr. 5-6     | Green Design: Engineering Solutions for a Changing Planet (Week 2 of 2) | Technology & Engineering |    |    | •   |
| Gr. 5-6     | Creative Writing: Fan Fiction Workshop (Week 2 of 2)                    | English & Language Arts  |    |    | •   |