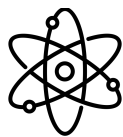


PLANO EXPLORATION SUMMER 2025

CLASS DESCRIPTIONS: (current grade level during the 24-25 school year)

Students will choose three courses based on their current grade level for the 24-25 school year. Some classes may include students of varying ages.



SCIENCE EXPLORATION

Students participate in a variety of exciting, hands-on experiences.

- **Think Like a Scientist (Grade 1)** Explore curiosities and develop the skill of making observations and asking questions while performing investigations.
- **Investigate! (Grade 2)** Dig deep into Newton's Laws of Motion through investigations and demonstrations to understand science in the world.
- **Discover Life Science (Grade 3)** Uncover the mysteries of life science while exploring animal and plant cycles including the dissection of crayfish and frogs.
- **Engineering and Design (Grade 4)** Dive into the engineering design process to create and test structures such as airplanes, parachutes, kites, and bridges to be structurally sound and effective.
- **Animal Science: Zoo Sleuths (Grades 5-7)** Explore biodiversity and animal-environment relationships through a habitat construction challenge, hands-on STEM activities, conservation lessons, and a visit to Plano ISD's Holifield Science Learning Center.
- **Future Engineers Camp (Grades 5-7) (Formerly called "Gateway Engineering Summer Camp")** Experience using leading-edge technologies to sample engineering-related activities and projects and get a taste of how fun it can be to be an engineer. *(This course is provided at no cost for Summer 2025, but you must still select two additional courses during Registration.)*



LITERACY AND LANGUAGE

Students develop advanced language skills through reading, writing, and communication.

- **Bloom with Books (Grades 1-2)** Discover the story behind various book awards, including the famous Caldecott Award while engaging in literacy that will inspire a variety of creative experiences.
- **Become an Author! (Grades 3-4)** Develop your love of stories and creative ideas into written products. Collaborate with fellow authors to polish and refine your writing and share your work.



LOGIC AND REASONING

Students develop logic and reasoning skills using clues to solve problems.

- **Be a Detective! (Grade 1)** Become a detective and apply logical reasoning skills to discover the identity of secret characters.
- **Logic Breakout (Grade 2)** Escape room meets logic puzzles! Sharpen deductive reasoning skills through collaborating and decoding as you decipher an abundance of clues to BREAKOUT!
- **Super Sleuth (Grades 3-4)** Uncover the truth using inference skills to examine fictitious mystery cases, connecting the culprit to the crime. All new mysteries every year!



CREATIVITY AND DESIGN

Students explore their own creativity through products and performances.

- **Storybook Chefs (Grade 1)** Young chefs explore the magic of cooking through beloved children's stories. It's the perfect mix of reading, creativity, and cooking fun all in an engaging environment. **"NEW FOR SUMMER 2025!"**
- **Great Galleries (Grades 1-4)** Create original art using various media for a student gallery.
- **Put on a Show! (Grades 3-4)** Learn the fundamentals of theater to create and perform a play or musical while developing public speaking and acting skills.
- **Chef's Academy (Grades 5-7)** Master the art of cooking this summer as you whip up delicious dishes and learn kitchen skills like a pro! **"NEW FOR SUMMER 2025!"**
- **Video Production: Lights, Camera, Creators (Grades 5-7)** Video Production equips learners with filming and editing skills, explores film history and storytelling, and culminates in a collaborative final project showcased at the program's end.



MATHEMATICAL PROBLEM SOLVING AND DESIGN

Students learn and apply advanced math skills to create unique products.

- **Design a Clubhouse! (Grades 1-2)** Encounter unusual problem solving situations to help design a new space.
- **Design a Breakout Puzzle! (Grades 3-4)** Design a digital breakout puzzle applying newly acquired math strategies and skills.



COMPUTER SCIENCE

Students learn the language of coding through building programs.

- **The Power of Coding (Grades 2-4)** Investigate the significance of computer coding in this hands-on session while using logical reasoning to diagnose and solve problems.
- **Bot Lab (Grade 3)** In this hands-on robotics course, young engineers will explore the basics of robotics and programming using Lego Essentials as they learn how to bring their robots to life through simple coding, teamwork, and creativity. **"NEW FOR SUMMER 2025!"**
- **Flying High (Grade 4)** Soar into the world of coding and technology as you learn the basics of flight using vertical robotics. Navigate obstacles and create your own scenarios to practice your flying skills! **"NEW FOR SUMMER 2025!"**
- **Advanced Vertical Robot Flying (Grades 5-7)** Enhance your learning environment by experiencing the world’s fastest-growing technology first-hand as you learn to fly using coding, navigate obstacles, and complete real-world missions.
- **CodeXplorers (Grades 5-7)** Through instruction and programming, students will be challenged to implement skills and knowledge as they learn computer science through Python programming.
(This course is provided at no cost for Summer 2025, but you must still select two additional courses during Registration.)
- **Build, Code, Collaborate: Robotics (Grades 5-7)** Students will learn to build & program their solutions with LEGO SPIKE Prime. This will be a hands-on camp that encourages students to collaborate with others while using their critical and creative thinking skills. **"NEW FOR SUMMER 2025!"**



INQUIRY THROUGH INNOVATIONS AND COMMUNICATION

Students develop research and communication skills to produce advanced products.

- **Powerful Presentations (Grades 2-4)** Step into the role of marketing at an advertising agency while learning presentation skills using media to develop a powerful sales pitch.
- **Where in the World? (Grades 2-3)** Become a virtual explorer traveling the globe to inquire about past and present wonders of the world by researching the significance of each location.
- **PodQuest: Find Your Voice (Grades 5-7)** Create imaginative and original stories through collaborative learning with podcasting.
- **Marketing & Social Media: Trendsetters (Grades 5-7)** Explore simple marketing concepts and the power of building a personal brand through social media and other online content, all while practicing safe digital citizenship.
- **Humanities: From Concept to Exhibit: Crafting A Unique Museum (Grades 5-7)** As you learn about the role museums play in preserving culture, history, and knowledge, you’ll use your creativity and research skills to build a museum that’s uniquely yours whether you’re passionate about ancient civilizations, the natural world, or your favorite hobbies. **"NEW FOR SUMMER 2025!"**

Planning Guide-Course Options by Grade (current grade level during the 24-25 school year)					
1ST GRADE	☐ Think Like a Scientist ☐ Bloom with Books ☐ Design a Clubhouse ☐ Be a Detective! ☐ Great Galleries 1-2 ☐ Storybook Chefs	2ND GRADE	☐ Investigate! ☐ Bloom with Books ☐ Design a Clubhouse ☐ Logic Breakout ☐ Great Galleries 1-2 ☐ Powerful Presentations ☐ Where in the World? ☐ The Power of Coding	3RD GRADE	☐ Discover Life Science ☐ Become an Author! ☐ Design a Breakout Puzzle! ☐ Super Sleuth ☐ Great Galleries 3-4 ☐ Put on a Show! ☐ Powerful Presentations ☐ Where in the World? ☐ The Power of Coding ☐ Bot Lab
	☐ Engineering and Design ☐ Become an Author ☐ Design a Breakout Puzzle! ☐ Super Sleuth ☐ Great Galleries 3-4 ☐ Put on a Show! ☐ Powerful Presentations ☐ The Power of Coding ☐ Flying High		☐ Chef’s Academy ☐ PodQuest: Find Your Voice ☐ Video Production: Lights, Camera, Creators ☐ Marketing & Social Media: Trendsetters ☐ Advanced Vertical Robot Flying ☐ CodeXplorers ☐ Animal Science: Zoo Sleuths ☐ Build, Code, Collaborate: Robotics ☐ Humanities: From Concept to Exhibit: Crafting A Unique Museum ☐ Future Engineers Camp		