

# DDC Welcome You: Teaching Gifted Students in China

## About DDC

### Who we are

Diligence & Delight Learning Center (DDC) is a China-based educational organization whose purpose is to provide challenging, creative courses in English for gifted students in grades K-12. DDC is dedicated to developing each student's full potential, encouraging talented learners to find their strengths and interests and improve their academic ability. Through DDC's offerings, students experience high-level enrichment that equips them with fundamental knowledge, skills, and dispositions needed for success in the 21st century.

### Vision

Our goal is to become one of the best providers of educational opportunities for gifted students in China.

### Mission

Our mission is to offer quality courses in English for gifted students, thus developing their abilities to the fullest.

### Strategy

By providing challenging all-English academic programs and camps throughout the year, DDC offers gifted students world-class curricula, instructors and resources.

### History

With the desire to provide quality education for gifted learners, Liu Dongcai, founder of DDC, has brought together highly-qualified educators and educational resources from around the world. Since DDC was founded, it has fostered collaborative relationships with international education institutions such as MIT and international schools in China such as BSB (British School of Beijing). Beginning in 2015, DDC has offered academic programs with small class sizes that focus on inquiry-based strategies for gifted learners including problem-based learning, seminars and discussions, and hands-on investigations. Critical and creative thinking are integral to all DDC courses.

DDC has held academic programs in Beijing, Shanghai and Shenzhen, providing inquiry-based instruction for thousands of Chinese students and international students. In 2016, DDC was awarded as the Most Influential Education Institution for STEM Courses by Sina Education, one of the most authoritative education websites in China. In 2017, DDC built close ties with prestigious schools including RDFZ (the High School Affiliated to Renmin University of China) and Beijing Academy. 2019 has witnessed significant progress in our collaborative efforts, including offering summer programs with Vassar College, a highly selective Liberal Arts College in the States, and with IDEA MATH, an influential educational institution featuring math learning with more depth and breadth.

### Unique features

DDC sets high standards for excellence. It has formed these unique advantages and characteristics:  
——The courses are recommended and designed by expert teachers and respected education institutions such as MIT.

—All DDC teachers are from abroad, and have many years of experience teaching gifted students.

—DDC programs are all-English with small class sizes.

—DDC courses incorporate significant amounts of hands-on practice, group discussions, and field trips.

—Prospective DDC students take the Measurement of Academic Performance (MAP), which assesses their academic levels and English skills, in order to find the best fit between students and courses.

—DDC has established collaborative relationships with great international schools in Beijing, which feature international standards, state-of-the-art teaching facilities and technology.

### **Our team**

The DDC team is a dynamic group of highly educated professionals. Our team members have received work experience and training in education management, international business and collaboration, financial management, business management, and communications and media. Through the dedicated work of Liu Dongcai, founder of DDC, together with other team members, DDC has developed into a student-centered, inclusive, responsive, world-class educational organization, well respected and highly praised by students, parents, educators and partners.

## **Inspiring Curriculum and Instructors**

DDC curriculum emphasize creating, building, and manipulating both things and ideas as students learn through hands-on experience. DDC courses are designed by expert teachers and in collaboration with renowned institutions such as MIT and the Boston Science Museum. Our goal is to immerse gifted students in cutting-edging technologies and innovations and prepare them to become future leaders of the world.

Students will interact and learn from the best teachers. All of our instructors have multiple years of experience teaching gifted students. Many of them have earned national and international awards for their excellence in K-12 education. Our teachers bring a passion and expertise in each subject that uniquely suited to DDC summer academic programs.

### **A Sample of DDC's Captivating Courses in STEM, the Humanities, and the Arts**

- \* **Fairy Tales and STEM:** In this fun, engaging, and hands on course the students will read a variety of fairy tales and have STEM challenges based on the story. Students will learn about character and plot development. They will also compare and contrast various stories and authors. To aid in our STEM learning students will use the engineering design process to design and build structures after they read the story. For instance, students will read "Cinderella". After reading the story they design a carriage that will be able to travel down a ramp for a specified distance.
- \* **Science + Math=Art:** Artists and scientists share a curiosity for the unknown, an appreciation for the beauty of the worlds they explore, and an interest in creating something new. Properties of math such as geometry and patterns are the tools artists use to create their masterpieces. In this course, students will explore properties of geometric shapes, create tessellations, study numerical patterns in nature and demonstrate them in their art. Students will use math tools to create art,

build structures based on numerical patterns, and examine the math behind the Golden rectangle. Students will work with the Fibonacci sequence, Pascal's Triangle, and create a 3-dimensional Sierpinski's Triangle, among other activities.

- \* **Seaglide:** A Seaglide is an underwater glider-- a non-tethered, autonomous robot that has no propeller and uses very little energy. It moves by changing its buoyancy, often by taking in or expelling water. In this course, students will build their own Seaglide, learning the engineering of construction and physics of propulsion. After building their Seaglide, they use computer aided design (CAD) software to program and run its operations. Students will learn how to program the glider to descend into the water and return to the surface, so they can operate it using remote control. More detailed information could refer to the video link:  
<https://www.youtube.com/watch?v=WKkyiCGh-Tw>
- \* **Ancient World History:** In this course, students will learn the folk customs, social structures, politics, economics, religions and cultures across the ancient world and consider how traces of these civilizations live on today. What are the characteristics of a civilization? Why the Nile is considered a gift to Egypt? Why did Rome use mythology to prove its existence? Why were these myths vital to the establishment of the Roman Empire? How is civilization inherited? Discover how the past carves a path to the present!
- \* **Practical Psychology:** In this course, students will explore the science of human behavior and cognition. Students begin by looking at methodology (experiment and case studies), and then discuss learning and memory (eyewitness testimony), problem-solving, intelligence (the concept of multiple intelligence), and language. After focusing on cognition, students turn to social behavior, discussing techniques of persuasion and the effects of groups on individuals' behavior (mob psychology and automatic stimuli on our behavior). Relating these topics to everyday experience and current events is an important component of the course.
- \* **Musical Theater Techniques:** In DDC's three-week music program, students will learn the basics of dancing, memorization techniques, and characterization. Teamwork is essential to theater; children learn that there are "no small parts" and that each individual makes valuable contributions to the end production. More than that, they will learn how to design and construct physical and virtual scenery, the engineering of lighting design, the importance of timing in choreography, the fun of costume creation and how to project their voices to the back of a theater. At the end of the three weeks, students will perform their show for fellow campers, friends, and family!

## **DDC Instructors**

### **Expectations:**

DDC instructors are responsible for delivering challenging and dynamic inquiry-based curriculum to classes of up to 18 gifted students. Teachers are expected to either design a course or work with provided materials, adapting as appropriate to meet students' needs. Most students are proficient in English; a teaching assistant will aid as needed.

The instructional day begins at 8:30 am and ends at 5 pm with morning and afternoon breaks and a lunch/planning period in the middle of the day. During the school day teachers are responsible for

delivering high quality instruction, monitoring student progress, and supervising their teaching assistant. Teachers are also expected to plan part of the final parent presentation/celebration, and to complete a parent feedback form for each student.

**Qualifications:**

- A minimum of 5 years of experience teaching advanced or gifted youth.
- Evidence of gifted licensure, professional development, or conference attendance preferred
- A background in science is helpful for DDC STEM-based courses
- Flexibility, collaborative spirit, active interest in experiencing new cultures
- Commitment to professionalism
- Teachers must have a valid license in the grade and/or subject area of the course they hope to teach
- Because of Chinese work visa requirements, applicants must be under 60 years old

**Compensation:**

- Roundtrip economy airfare to camp city
- Assistance acquiring short-term work visa
- Lodging in a hotel room, a serviced apartment or comfortable school dormitory
- Meals (breakfast and lunch) on weekdays
- Daily transportation from lodging to school site
- Competitive weekly salary
- Join a group of experienced and accomplished educators bringing innovative, hands-on education to bright young minds in China!

**DDC 2020 Preliminary Summer Program Schedule**

First session: June 22nd - July10th (3 weeks)  
 Second session: July 13th –July 31st (3 weeks)  
 Third session: July 20th –August 7th (3 weeks)

Date	June 22nd - July10th (3 weeks)	July 13th –July 31st (3 weeks)	July 20th –August 7th (3 weeks)
Location	Beijing/ Shanghai	Beijing/ Shanghai	Beijing
G2-G9	Musical: Cinderella (Beijing Only)	Musical: Cinderella (Shanghai Only)	
G1-G2	Dinosaur Discovery: Paleontology Unearthed/ Fairy Tale &STEM	Fundamental STEM/ Math Problem Solvers II: LEGO Architecture/ Solar Engineering	Fundamental STEM/ Fairy Tales &STEM/ Designing a Shape Gallery
G2-G3	Digital Storytelling / World Geography/	Ancient World History/ Math & Miniature Models/ Reader’s Theater	Digital Storytelling / World Geography/ Math:Spatial Reasoning
G3-G4	Super Coding Sequence / Astronomy/ Creative Writing	Science+Math=Art/ Kinetic Sculpture/ Creative Writing	Magic Chemistry/ Green Energy / Creative Writing

G4-G5	Historical Perspective of Fine Arts / Genetics / Reading and writing	Algebra Mystery Maze/ LEGO EV3 Mindstorm Robotics Programming/ Reading and Writing	Physics in Designing Art / Rocketry / Reading and Writing
G5-G6	Forensics/ Academic Writing and Vocabulary	EcoDetectives/ Fundamentals of Electronics / Academic Writing and Vocabulary	SeaGlide/ Academic Writing and Vocabulary
G6-G7	First Rate Debaters/ Reading and Writing	Life Science: Bio Basis/ Reading and Writing	The Art of Persuasion / Reading Writing
G7-G8	Astrophysics/ Reading and writing (IGCSE)/ Verbal and Writing (Upper SSAT)	Practical Psychology/ Reading and Writing(IGCSE)/ Verbal and Writing (Upper SSAT)	Finance and Investment/ Reading and Writing (IGCSE)/ Verbal and Writing (Upper SSAT)

### Notes

1. Courses above are subject to change; teachers experienced in curriculum development may suggest new courses.
2. Instructors are encouraged to arrive in the camp city 2 days in advance of the program and must remain through the last day of the program.

### Contact us

Diligence & Delight Learning Center (DDC)

Please visit our website [www.ddc-usa.org](http://www.ddc-usa.org) and click on **TEACH** in the upper right hand corner to submit your applications. You will be contacted soon after your application is received. Please don't hesitate to let us know if you have any questions via the following contacts:

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