



# DWIGHT SEOUL SUMMER ACADEMY

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*Summer is for Trying.*

## Upper School Summer Programs **Grades 7-11**

**Summer Session 1: June 23 to June 27**

**Summer Session 2: June 30 to July 4**

**Summer Session 3: July 7 to July 11**

**Summer Session 4: July 14 to July 18**

\*Please note all programs are subject to change depending on the number of students who register. If the minimum number of students is not met, the course may be cancelled.

# Course Descriptions

## MATHEMATICS (Grade 7-11)

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### MYP

Students will review concepts and skills of the year they just finished as well as preview concepts and skills of the upcoming year. Courses will be tailored to students' specific level. In general, each week we will review/preview each of the four MYP frameworks.

### **Week 1: Numerical and Abstract Reasoning (Number & Algebra)**

The ability to work with numbers and symbols is an essential skill in mathematics. Students are expected to have an understanding of number concepts and to develop the skills of calculation and approximation. Algebra uses letters and symbols to represent numbers, quantities and operations, and employs variables to solve mathematical problems. Algebra is an abstraction of the concepts first used when dealing with numbers and is essential for further learning in mathematics. Topics will include:

- Lower MYP: solving linear equations
- Middle MYP: solving quadratic equations
- Upper MYP: working with exponents and logarithms

### **Week 2: Thinking with Models (Functions)**

Models are depictions of real-life events using expressions, equations or graphs while a function is defined as a relation or expression involving one or more variables. Creating different representations of functions to model the relationships between variables, visually and symbolically as graphs, equations and tables represents different ways to communicate mathematical ideas. In order to use and develop mathematical models, students will require knowledge of concepts, topics and skills in algebra. Topics will include:

- Lower MYP: linear functions
- Middle MYP: quadratic functions
- Upper MYP: exponential and logarithmic functions, inverse functions, and composite functions

### **Week 3: Spatial Reasoning (Geometry and Trigonometry)**

Spatial reasoning skills provide students with the tools for analysing, measuring and transforming geometric quantities in two and three dimensions. Topics will include:

- Lower MYP: surface area, volume, and Pythagorean Theorem
- Middle MYP: congruence, similarity, and trigonometric ratios
- Upper MYP: right-angled and non-right angled trigonometry

#### **Week 4: Reasoning with Data (Statistics and Probability)**

This branch of mathematics is concerned with the collection, analysis and interpretation of quantitative data and uses the theory of probability to estimate parameters, discover empirical laws, test hypotheses and predict the occurrence of events. Through the study of statistics, students should develop skills associated with the collection, organization and analysis of data, enabling them to present information clearly and to discover patterns. Students will also develop critical-thinking skills, enabling them to differentiate between what happens in theory (probability) and what is observed (statistics). Topics will include:

- Lower MYP: measures of center, data displays, data interpretation, and basic probability
- Middle MYP: measures of spread, bivariate statistics (linear regression), and compound probability
- Upper MYP: distributions (normal and binomial) and counting principals.

#### **DP**

Students will review concepts and skills of the year they just finished as well as preview concepts and skills of the upcoming year. Courses will be tailored to students' specific level. All courses will have a heavy emphasis on solving past paper questions.

Students going into Grade 11 will preview Topic 1 (Number and Algebra), Topic 2 (Functions), and Topic 3 (Geometry and Trigonometry).

Students going into Grade 12 will preview Topic 4 (Statistics and Probability) and Topic 5 (Calculus). HL students will also focus on Paper 3.  
Level or Higher Level.

## **SAT EBRW (English) (Week 1 and 2 or Week 3 and 4)**

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**SAT EBRW (English) session** during the summer academy. This course is catered towards students who have **never sat for the SAT** and will cover the main strategies students should practice to successfully tackle the Evidence-Based Reading and Writing section of the exam, which historically most students struggle with. Students can opt to sign up for this morning session for an intense two-week session review, a great follow-up to taking the PSAT for the first time.

The 10-day course will utilize your child's PSAT results and proctored on-screen practice exams to pinpoint their weak areas. This personalized approach will help us create individualized learning plans should your child decide to continue studying beyond the 10 days. With small class sizes, this course offers a unique opportunity for students to experience structured study plans for high-stakes tests like the SAT.

We will take a strategic approach by reviewing university bandwidths to set individual performance goals while providing students ample practice in exam-like settings (on-screen and timed). This will strengthen their critical thinking and literary analysis skills and keep them engaged through interactive lessons and small-group exercises. This interactive learning environment will make their SAT preparation more enjoyable and effective.

## **Comics & Webcomics (Grade 7-11)(Only week 1)**

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Are you passionate about comics, webcomics, or graphic novels? Dream of bringing your own ideas and characters to life? In this hands-on course, you'll dive deep into the world of comic creation, learning how to develop original characters, craft engaging storylines, and master the basics of visual storytelling. You'll explore both traditional and digital techniques for sketching, inking, and layout design, building essential skills to bring your vision to the page—or the screen. Whether you love drawing, writing, or both, this program offers the tools and guidance to help you create a complete short comic or webcomic by the end of the course. No prior comic-making experience is needed—just creativity, imagination, and a passion for telling stories in your own unique way.

## **Narrative Design: Story Crafting Workshop (Grade 7-11)**

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Listen, here's the deal: we're going to take a week and figure out what makes a story tick—not in some abstract academic way, but by rolling up our sleeves and doing the thing itself. Each student gets to build one story from scratch, which is plenty. One good story is worth ten rushed ones.

We'll start with the beating heart of fiction—characters who feel real enough to invite over for dinner—then construct a world for them to stumble through. Day by day, we'll add layers: a situation worth writing about, dialogue that rings true, and the kind of ending that sits in your chest like a good meal.

Nobody's expecting masterpieces. We're after that moment when a student rereads their work and thinks, "Huh, that actually sounds like...me." By Friday, everyone walks away with a complete short story and, if we're lucky, that little spark that makes a person keep writing long after the workshop ends.

For the brave, the curious, and even the slightly terrified—this one's for you.

## Songwriting & Production Camp (Grade 7-11)

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Transform thoughts and feelings into memorable songs in this dynamic songwriting camp. Students will learn the fundamentals of lyric writing, melody creation, and basic music theory applicable to various genres. Through collaborative exercises and individual projects, participants will explore song structure, effective storytelling techniques, and the relationship between words and music. Daily critical listening sessions will analyze successful songs across different genres, helping students develop a sharp ear for what makes music impactful. The camp features guided writing sessions, peer feedback opportunities, and hands-on recording basics to capture their original compositions. Each student will write and record their own song by week's end, contributing to a collaborative mixtape that showcases everyone's unique voice and style. The week concludes with a listening party where students present their finished tracks to the group. Participants should bring a working Apple laptop to fully participate in the production aspects of the camp. While playing a musical instrument is an asset, it is not a requirement—modern technology offers numerous ways for non-musicians to write and record music without being an ace player. No prior musical training required.

## SPORTS - In Cooperation with Seoul Sports (Grade 7-11)

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**Morning Sports Program (Grades 7-11): 9:00 to 11:40**

**Afternoon Sports Program (Grades 7-11): 12:20 - 15:00**

Join us at our Sports and Fitness Camp for a dynamic blend of fitness, fun, and learning! Our camp focuses on fostering a love for sports and promoting a healthy lifestyle through a variety of engaging activities. Participants will enjoy daily fitness classes, educational sessions, and interactive projects aimed at enhancing their understanding of fitness and health. With a diverse range of sports explored each day, campers will have the opportunity to develop multi-sport skills while discovering their passion for staying active. Our main goal is to inspire students to embrace sports and fitness as integral parts of their lives, fostering a lifelong commitment to health and wellness. Don't miss out on this exciting opportunity to ignite your child's passion for sports and fitness!