

LOGARITHM HIGH SCHOOL PROFILE

School Overview

At the high school level, Logarithm provides a **college-preparatory academic program** that integrates Mongolia's National Curriculum with a **30% school-designed enhancement**, ensuring academic rigor aligned with international university expectations. Logarithm School has maintained a 100% university enrollment rate for all graduating classes since its first graduating cohort in 2019. Approximately 50% of graduates matriculate at universities outside Mongolia. Graduates have been admitted to universities in: **USA, Japan, Ireland, Germany, UK, Hungary, China, South Korea** with scholarships ranging from **50% to 100%**, including government-funded awards and merit-based scholarships.

Academic Philosophy & Curriculum Design

Logarithm School emphasizes **academic depth, global competence, and holistic development**. While instruction follows the national curriculum, enhanced instructional hours and advanced content are incorporated across core subjects.

Students receive:

- **Intensive English instruction from primary school**, progressing to Pearson English and academic English in secondary school
- **Structured preparation** for international exams and competitions
- **Honors-level coursework** beginning in Grade 10
- **Applied learning** through simulations, research, and project-based coursework

The academic year is divided into **three trimesters**, with **40-minute classes** delivered across **37 instructional weeks**.

Honors & Advanced Coursework

Beginning in **Grade 10**, students may pursue the following **Honors-level courses** that extend beyond national standards and emphasize:

- ❖ Advanced problem-solving
- ❖ Higher-level scientific reasoning
- ❖ University admission exam preparations

<ul style="list-style-type: none"> ✓ Mathematics ✓ Biology ✓ Chemistry ✓ Physics ✓ Geography 	<ul style="list-style-type: none"> ✓ History ✓ Social Sciences ✓ English (Advanced / Honors-Equivalent) - <i>A rigorous, college-preparatory English course exceeding national curriculum standards.</i>
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Students may enter Honors tracks up to the **first trimester of Grade 11**, allowing for academic maturity and informed course selection.

Languages

- **English:** Mandatory; advanced academic and test-preparatory level
- **Japanese:** Elective from Grade 6; JLPT preparation (up to N3)
- **Korean:** Elective from Grade 6; TOPIK preparation
- **Chinese:** Planned introduction from Winter 2026.
 - **English Proficiency (IELTS)**
Average score: **7.5**
Highest score achieved: **8.5**
 - **Japanese Proficiency (JLPT)**
Highest level achieved: **N1**

ESTABLISHED: 2008

Total students: 900

Average class size: 25

Student/Teacher ratio 15:1

INDUSTRY IDENTIFIER

Independent, non-profit,
co-educational

ACCREDITATION

Accredited by the City Education Department since 2008

MEMBERSHIP

The school is a member of the Mongolian Association of Independent Schools since 2010.

HEAD OF SCHOOL & COLLEGE COUNSELOR

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Special Academic Programs

Business Simulation & Entrepreneurship (AI-based)

Grade 11 students participate in an **English-language business simulation program** (AI-based), developing strategic thinking, teamwork, financial literacy, and leadership through real-world business scenarios.

ITPEC Information Technology Passport

Senior students prepare for the **ITPEC Passport Examination**, an internationally recognized certification assessing foundational IT knowledge and digital competency.

Assessment, Grading & Credits

	Percent	Letter Grade	GPA (4.0 Scale)
• Passing grade: 60%	96–100	A+	4
• GPA scale: Unweighted 4.0	93–95	A	3.9
• All courses , passed or failed, are included in GPA calculation	90–92	A–	3.7
• Honors, advanced and elective courses are clearly indicated on transcripts	87–89	B+	3.3
• Completion of secondary education requires successful completion of the state examinations taken in the final year.	84–86	B	3
• SAT: Scores typically range from 1050 to 1450	80–83	B–	2.7
	77–79	C+	2.3
	73–76	C	2
	70–72	C–	1.7
	67–69	D+	1.3
	63–66	D	1
	60–62	D–	0.7
	Below 60	F	0

Student Life, Leadership & Personal Development

Leadership and Community Service

Student self-governing body

- Scouts sub council
- Red Cross sub council
- Logarithm Interact club
- Desertification combat and local community livelihood support program jointly with Green Asia NGO
- Eco club for environment protection
- Life skills camp
- Local herder community support program

Arts and Athletics

- Varsity basketball
- Varsity volleyball
- Cheerleading dance team
- Swimming club
- Annual school gala concert

Academic enrichment

- Social Emotional & Ethical Learning
- Corporate & Industry study tours
- "Success owner" club for career support
- Model United Nations club in English Alumni led
- Debate English/Mongolian
- Public speaking

Graduates

CLASS of 2025 – 43 students 100% university enrollment

- National public universities
- Tokyo International University 80% scholarship
- Nagoya University 100% scholarship
- NYU Shanghai 80% scholarship
- Universities in South Korea, USA, Japan, China
- Government scholarships for Hungary, South Korea, China

CLASS OF 2026 – 53 Students expected to graduate