

# LOGARITHM HIGH SCHOOL PROFILE (CEEBCODE 388972)

## 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"> <li>✓ Mathematics</li> <li>✓ Biology</li> <li>✓ Chemistry</li> <li>✓ Physics</li> <li>✓ Geography</li> </ul>	<ul style="list-style-type: none"> <li>✓ History</li> <li>✓ Social Sciences</li> <li>✓ English (Advanced / Honors-Equivalent) - <i>A rigorous, college-preparatory English course exceeding national curriculum standards.</i></li> </ul>
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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.

## COLLEGE COUNSELOR

Ms. ODKHOI Bold

[odkhobi.b@logarithm.edu.mn](mailto:odkhobi.b@logarithm.edu.mn)

## HIGH SCHOOL ACADEMIC PRINCIPAL

Mr. ERDENEBUGAN

Ulaanbaatar

[Erdenebulgan.u@logarithm.edu.mn](mailto:Erdenebulgan.u@logarithm.edu.mn)

## ADDRESS:

Sukhbaatar district, 8<sup>th</sup> Khoroo, 11<sup>th</sup> district, Ulaanbaatar, Mongolia

Tel: (976)-77006263

Tel: (976)-88118803

Website: <https://logarithm.edu.mn>

Facebook page: LogarithmSchool



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

<ul style="list-style-type: none"><li>• <b>Passing grade:</b> 60%</li><li>• <b>GPA scale:</b> Unweighted 4.0</li><li>• <b>All courses</b>, passed or failed, are included in GPA calculation</li><li>• <b>Honors, advanced and elective courses</b> are clearly indicated on transcripts</li><li>• <b>Completion of secondary education</b> requires successful completion of the state examinations taken in the final year.</li><li>• <b>SAT:</b> Scores typically range from 1050 to 1450</li></ul>	<b>Percent</b>	<b>Letter Grade</b>	<b>GPA (4.0 Scale)</b>
	<b>96–100</b>	A+	4
	<b>93–95</b>	A	3.9
	<b>90–92</b>	A–	3.7
	<b>87–89</b>	B+	3.3
	<b>84–86</b>	B	3
	<b>80–83</b>	B–	2.7
	<b>77–79</b>	C+	2.3
	<b>73–76</b>	C	2
	<b>70–72</b>	C–	1.7
	<b>67–69</b>	D+	1.3
	<b>63–66</b>	D	1
	<b>60–62</b>	D–	0.7
<b>Below 60</b>	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