

Ioannis Panaretos

YANNIS · CORFU, GREECE

Secondary-school student — Mathematics, Physics & Computer Science

Born 2012 **School** 5th Gymnasium of Corfu **Email** yannis.panaretos@gmail.com **Web** yannis.panaretos.com
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16th
nationally — 1st Prize, "Aristarchos" Panhellenic Physics Competition (Union of Greek Physicists), 2026

19.9/20
school-year average, "Excellent" (straight A's) — 20/20 in Mathematics & Computer Science

C2 · 9
Michigan ECPE (C2) and International GCSE English — **Grade 9**, top of the 9–1 scale

CTY
Johns Hopkins CTY qualified — SCAT Advanced, passed **both** Verbal and Quantitative sections

Profile

A consistently top-of-class student in the sciences with a national distinction in Physics, already working above his year group: certified at **C2** in English, Johns Hopkins CTY-qualified, and an invited student speaker at a Balkan summer school on AI for science — and alongside it a men's-team basketball player and a FIDE-rated chess player. He now aims to spend an academic year at a school abroad, and to go on to university study in the sciences.

Selected distinctions

SELECTION · FULL RECORD P. 2

Jun 2026 — **1st Prize — "Aristarchos" Panhellenic Physics Competition, 3rd & Final Phase**
Union of Greek Physicists (EEF). **Ranked 16th nationally**, score 73/100. Prepared with physicist P. Mourouzis. eef.gr

Aug 2026 — **Invited student speaker — 3rd Balkan Summer School, "Artificial Intelligence for Science"**
Balkan Physical Union · Union of Greek Physicists · Ellinogermaniki Agogi, supported by the European Physical Society and the City of Thessaloniki. American Farm School, 24–28 Aug 2026. **The invitation was extended to prizewinners of the "Aristarchos" competition.** Presented at NOESIS Science Centre, Thessaloniki (27 Aug): *"Can AI Discover the Laws of Physics?"* — recovering the pendulum law from his own measurements using symbolic regression.

2025–26 — **Distinction — 86th "Thales" Mathematics Competition; qualified for "Euclid"**
Hellenic Mathematical Society (EME). Passed the national first round ("Thales", Nov 2025) and qualified for the second round ("Euclid", Jan 2026). hms.gr

Feb–Mar 2026 — **2nd place — F1 in Schools, North-Greece National Finals**
International STEM engineering and design competition, Thessaloniki. Member of **Team Gorgon** — Corfu's first F1 in Schools team. gorgon-f1.gr

Apr 2026 — **TED-Ed Student Talk — "One Shot, One Choice" (delivered in English)**
TED-Ed Student Conference, Hellenic American Union, Thessaloniki. Prepared through the TED-Ed Student Talks programme. youtu.be/fY9rNBrKUzk

Education

2024 – present — **5th Gymnasium of Corfu**
8th grade (B' Gymnasiou, 2025–26): final average 19.87/20 — "Excellent" (straight A's). 20/20 in Mathematics, Computer Science, Chemistry, History, Technology, Geography and Advanced French.
7th grade (A' Gymnasiou, 2024–25): final average 19.8/20 — "Excellent" (straight A's). Now in 9th grade (G' Gymnasiou, 2026–27), the final year of Gymnasio.

Feb 2025 — **Johns Hopkins CTY — via CTY Greece, Anatolia College**
Sat the **SCAT Advanced** above-grade-level test (Corfu, 22 Feb 2025). **Passed both the Verbal and the Quantitative sections**, qualifying him for CTY programmes on both the sciences and the humanities tracks.

2023–2026 — **Andrioti Language School, Corfu — English**
Successive certifications B1 → B2 → **C2**, culminating in the Michigan ECPE and an International GCSE in English as a Second Language at **Grade 9**. Also the preparation centre for the TED-Ed talk. Detailed on p. 2.

Language certifications

WITH VERIFICATION REFERENCES

YEAR	CERTIFICATION	LEVEL / GRADE	REFERENCE
2026	**Edexcel International GCSE** — English as a Second Language (4ES)	**Grade 9**	Centre 96538 · cand. 0010 UCI 96538B260010W
2026	**Michigan ECPE** — Certificate of Proficiency in English	**C2 · Pass**	Test 24 May 2026 Reg. 8897362292
2025	Cambridge English **B2 First (FCE)**	**B2 · Grade B**	Overall 177/190 Cert. D2749966
2024	Cambridge English **B1 Preliminary (PET)**	**B2 · Grade A**	Overall 163 Cert. C7381108
2026	**DELF A2** — French	**A2 · 84.5/100**	Session 202512J Sèvres, 23/02/2026
2025	**DELF A1** — French	**A1 · 91.0/100**	Session 202505J Sèvres, 27/07/2025

Native language: **Greek**. Planned for 2026–27: International GCSEs in Mathematics, Physics and Computer Science.

Full record of distinctions

DATE	DISTINCTION	AWARDING BODY
Jun 2026	**1st Prize**, "Aristarchos" Final Phase — **16th nationally**, 73/100	Union of Greek Physicists
Apr 2026	Speaker, TED-Ed Student Conference — "One Shot, One Choice"	TED-Ed / HAU
Feb 2026	**2nd place**, F1 in Schools — North-Greece National Finals (Team Gorgon)	F1 in Schools
Nov 2025	**Distinction** (honorable mention) — 86th "Thales" Mathematics Competition; qualified for "Euclid"	Hellenic Math. Society
Oct 2025	**Award of Excellence** for academic achievement — school year 2024-25	Ministry of Education
2025	**Distinction** — 7th "Pythagoras" Mathematical Ability Competition	Hellenic Math. Society
Nov 2024	**Distinction** — 7th local "Kostas Zervos" Competition	HMS, Corfu branch

Research & computational work

2026

"Can AI Discover the Laws of Physics?" — symbolic regression

Independent project for the Balkan Summer School. Primary period–length measurements on a physical pendulum, analysis in Python, and recovery of $T = 2\pi\sqrt{(L/g)}$ — with an estimate of g — by a symbolic-regression algorithm **given no physics whatsoever**. The framing question is epistemological: how far machine discovery of natural laws reaches, and where it stops.

2025 – present

Programming — Python

Self-taught since 2025, mentored since August 2025 by **N. Korfiatis** (Dept. of Informatics, Ionian University). Data analysis (pandas, matplotlib) and introductory machine learning. Repositories: github.com/yannispanaretos. Scored 20/20 in Computer Science in both Gymnasio years.

Athletics, chess & music

- **Basketball** — playing since the age of 6. N.A.O. **Nafsithoos** of Corfu: junior, cadet and youth squads, and a member of the **men's team since 2025**.
- **Regional (ESKAVDE) development squad** — regularly called up, 2011-12 age group (2025–26) and again in 2026–27; Inter-Union Tournament, Katerini, Feb 2026.
- **Promitheas BC Academy**, Patras — Skills Camp 2025 & 2026.
- **Chess** — **FIDE-rated** (ID 42118930; Elo 1522 standard / 1494 rapid). Member of the SPZ Kerkyras chess club; competed in Panhellenic student championships.
- **Piano & music theory** — lessons since 2020.
- **Languages** — Greek (native), English C2, French A2.

References & verification

References on request from: **Dimitrios Theotokis**, Head Teacher, 5th Gymnasium of Corfu · **Panos Mourouzis**, physicist, "Aristarchos" preparation · **Patricia Andrioti**, Andrioti Language School · **Nikolaos Korfiatis**, Ionian University. All of the above is evidenced by original certificates, available for inspection; public profile: yannis.panaretos.com