

COMPLETED BUILDINGS EDUCATION - SECONDARY SCHOOL

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PINEWOOD INTERNATIONAL SCHOOL

ANATOLIA COLLEGE, THESSALONIKI, GREECE 1ST PRIZE IN RESTRICTED COMPETITION 2020 COMPLETED PROJECT 2024

Pinewood School in Anatolia Campus: blending contextual design and vibrant aesthetics into an inclusive experience

The new Pinewood School represents a contemporary architectural landmark within the historic Anatolia College campus in Pylaia, on the outskirts of Thessaloniki, Greece. Emphasizing experiential education and sustainable design, the building offers a vibrant learning environment tailored to prepare students for a globalized future.

Designed to serve students from grades 6 to 1, the school reflects a multicultural ethos, fostering social interaction and spontaneous gatherings. Its modern architectural expression combines bold colors, light steel structures, concrete elements, and expansive curtain walls. Despite its contemporary language, the design harmonizes with the campus's existing buildings and the historic garden.

Integrating the new building in the campus

Located on a sloping site descending east to west, the school respects the campus's historic axis. This circulation axis connects the main building to the open stadium, passing through a preserved historic garden with centennial trees. To maintain the integrity of this axis, the school's primary functions are distributed across two wings, linked by an elevated promenade. This lightweight steel structure not only unites the wings but also offers sweeping views of the stadium and surrounding landscape.

Designed with an emphasis on experiential learning and environmental intelligence, the building is a vessel for education, as well as an active agent in shaping the student experience. It cultivates an ecosystem where interaction, adaptability, and dialogue between built and natural elements reinforce the school's global perspective.

Introducing intermediate spaces fostering social interactions between the community

Each wing is further divided into two linear modules, ensuring optimal south-facing orientation for classrooms. This layout creates two atriums—one open and one enclosed that enhance spatial flexibility and encourage seamless interaction between indoor and outdoor environments. The enclosed atrium features a striking canopy supported by steel columns resembling trees, evoking a playful metaphor for the "Pinewood" name.

Intermediary spaces function as the spine of a building, binding different areas together while fostering the conditions for social interactions. These interactions, in turn, cultivate emotional bonds and strengthen the fabric of a community.

The gym, positioned on the lower level, connects seamlessly to both an outdoor courtyard and the stadium.

Sustainability as a design tool

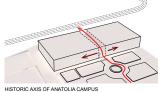
Bioclimatic principles minimize energy consumption while maximizing natural light and ventilation. Energy-efficient glazing, shading systems, and thoughtful landscaping contribute to thermal comfort and a pleasant year-round microclimate.

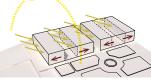
The new Pinewood School exemplifies the integration of innovative design and environmental responsibility, creating a space that supports academic excellence and community engagement.



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BIRDS' EYE VIEW OF PINEWOOD SCHOOL, THE HISTORICAL AXIS CUTTING THROUGH THE SCHOOL AND THE GAZE REACHES THE SEA





MAXIMISATION OF SOLAR BENEFITS



CREATION OF ENCLOSED COURTYARDS



FUNCTIONS A CLASSROOMS B LABORATORY C MULTI USE SP ADMINISTRATION



SUSTAINABILITY FEATURES A: VERTICAL LOUVERS B: HORIZONTAL LOUVERS



VIEW OF THE SCHOOL FROM THE HISTORICAL GARDEN (CLASSROOMS' WING)

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SECTION

VIEW OF THE ENCLOSED ATRIUM, SURROUNDED BY CLASSROOMS, WHERE NATURAL LIGHT IS ABUNDANT. The students call this place "the forest" and they spend most of their time on the atrium's steps.

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VIEW OF THE ENCLOSED ATRIUM, SURROUNDED BY CLASSROOMS, WHERE NATURAL LIGHT IS ABUNDANT. The colours are carefully chosen to be complementary, and create a peaceful mood.

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VIEW OF THE EXTERIOR ATRIUM, BÉTWEEN THE LABORATORIES AND THE VOLUME OF THE ART STUDIO. BOLD COLOURS AND GEOMETRIES TRIGGER THE IMAGINATION OF THE STUDENTS.





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THE CLASSROOMS ARE UNITED BY FLEXIBLE PARTITIONS IN ORDER TO PROVIDE FLEXIBILITY TO THE TEACHERS.

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WE HOPE YOU ENJOYED THIS PROJECT THANK YOU FOR YOUR ATTENTION!