



Welcome to
**St PETER'S
SCHOOL**
School Year 22-23

IB Continuum- International Baccalaureate

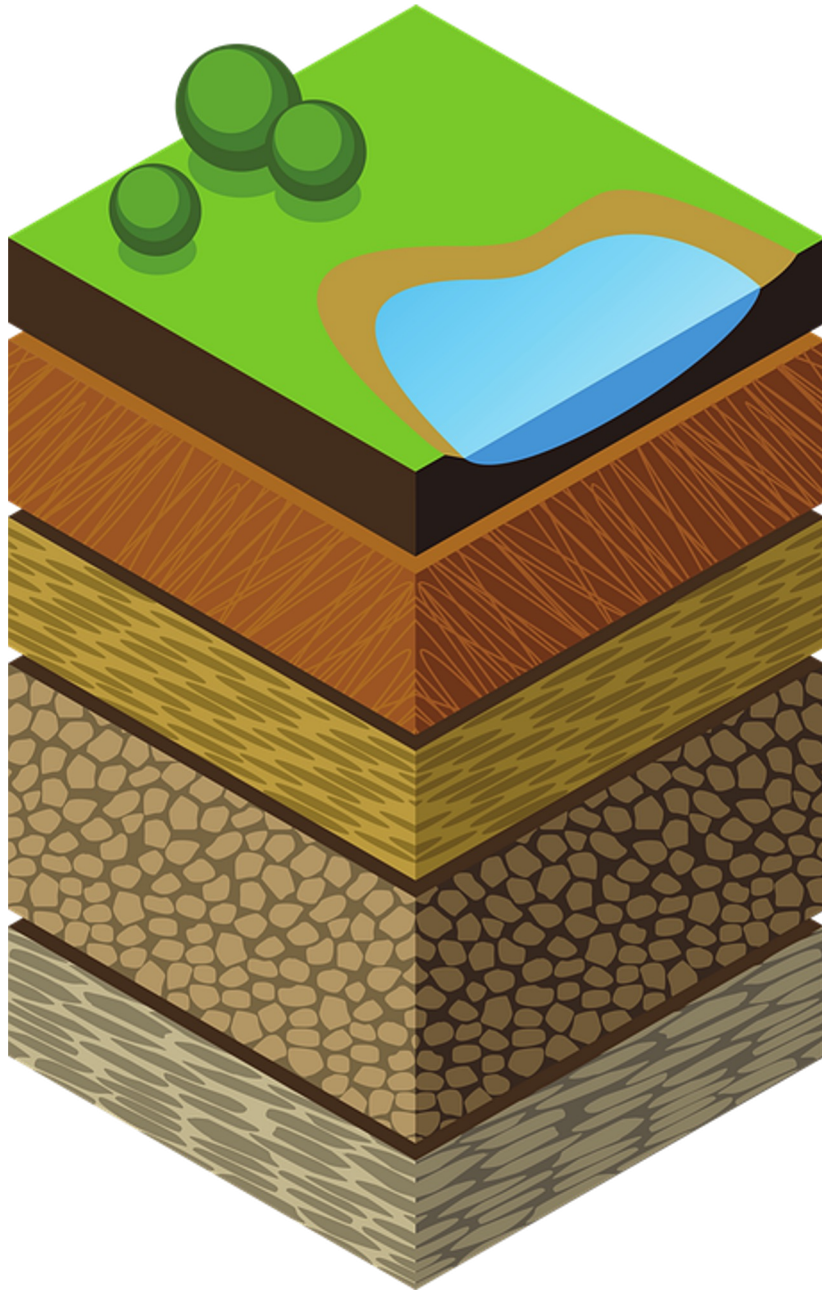
- Why are trees moving backwards?
- How can they explain tomorrow's weather if today is today?
- How is the enigma machine related with a blockchain?
- How is solar energy collected in the school's panels?

Concepts

Contexts

Inquiry

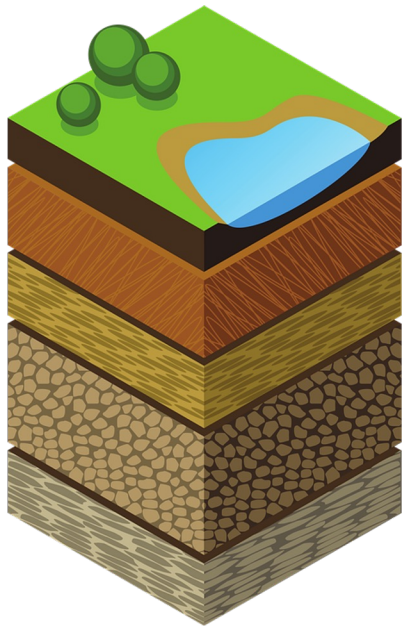




Class planning

Syllabus

Content

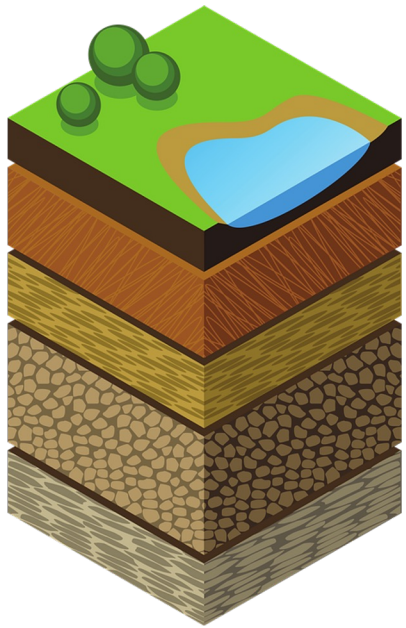


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Content

Physical education
Smart cities Un Development Goals
Communication
Health Exponentials Startups
Computer programming Robotics Blockchain
Artificial Intelligence Bioengineering Design thinking
Conflict resolution Sciences Financial literacy
Economic principles Geopolitics Culture
Resolution
Genetics **Energies** Environmental systems
Government
Art **Innovation** Mathematics
Transhumanism



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Environmental concerns- climate change and its effects	SCI 703- Earth's atmosphere	SCI 801- Ecology	SCI704- The hydrosphere	ESS 1003-Managing our waste	GLOB 601- Global citizenship	DES602- A machine for the Earth	DES 702- Global challenge	DES 801- Eco roads
	Environmental Concerns-Climate change and its effects, depletion of the Ozone layer, El Niño, Air pollution, Carbon emissions levels in the atmosphere, Contamination in Barcelona, Acid Rain.	Human impacts on the planet.Current Environmental Problems with an emphasis on Invasive species	Water pollution –Sewage waste, plastic pellets in the sea, 6 continents, Oil spills.	Solutions to plastic waste problems-Technology	Human impact on the environment - The UN SDGs (First: focus on No. 13: Climate action) - The carbon footprint	Considering different perspectives to develop a sustainable invention for our planet and global community	In order to solve the 3x30 top problems, we can develop an invention, sustainable and innovative, for the whole world community.	Inventions respond to balance the concentration of CO2 with technical innovation and sustainability through functional systems and low resources.
Genetics	SCI 603- Global food security	BIO 1001- Human genome project						
	Genetically Modified Organisms	Gene Therapy and CRISPR Strengths and Limitations Screening for genetic diseases						

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[Student Council- Primary Years](#)

[AI Interdisciplinary Unit- Y6](#)

[Design Thinking- Middle Years](#)