



American Pacific International School

Programme of Inquiry G5

Dates	Aug. 17 - Sept. 25	Sept. 28 - Nov 20	Nov. 23 - Jan. 29	Feb 1 - March 12	March. 15 - May. 7	May. 10 - June 18
Transdisciplinary Theme	How the World Works An inquiry into the natural world and its laws; the interaction between the natural world (physical and biological) and human societies; how humans use their understanding of scientific principles; the impact of scientific and technological advances on society and on the environment	How We Express Ourselves An inquiry into the ways in which we discover and express ideas, feelings, nature, culture, beliefs and values; the ways in which we reflect on, extend and enjoy our creativity; our appreciation of the aesthetic.	How we organize ourselves An inquiry into the interconnectedness of human-made systems and communities; the structure and function of organizations; societal decision-making; economic activities and their impact on humankind and the environment.	Sharing the planet An inquiry into rights and responsibilities in the struggle to share finite resources with other people and with other living things; communities and the relationships within and between them; access to equal opportunities; peace and conflict resolution	Where we are in place and time An inquiry into orientation in place and time; personal histories; homes and journeys; the discoveries, explorations and migrations of humankind; the relationships and the interconnectedness of individuals and civilizations, from local and global perspectives.	Who we are An inquiry into the nature of the self; beliefs and values; personal, physical, mental, social and spiritual health; human relationships including families, communities, and cultures; rights and responsibilities; what it means to be human.
Central Idea	Central Idea: Scientists use their understanding of properties of matter to innovate.	Central Idea: People in civilizations use their understanding of the past to innovate for the future.	Central Idea: Producers are responsible for creating sustainable and desirable products.	Central Idea: Earth is made of interacting systems that make life possible.	Central Idea: The position of the earth in the universe and how we understand it affects our lives	Central Idea: Our outward appearance can lead to perceptions and misconceptions.
Lines of Inquiry	1. Observable and measurable properties of matter. 2. Changes in matter. 3. The properties of matter used for the scientific design of materials.	1. Influential civilizations throughout history. 2. The process and influence of innovation. 3. Shared elements of civilizations.	1. Understand basic principles of market economy. 2. Marketing Strategies. 3. Environmental consideration during product development. 4. Develop a successful business plan.	1. Earth's major systems and cycles. 2. Interaction between the systems. 3. Human's impact and responsibilities.	Lines of Inquiry: 1. The relationship between Earth and celestial bodies in our solar system. 2. The impact of Earth's position and movement affect itself. 3. Technology which aids the study of the universe	Lines of Inquiry: 1. How perceptions are formed and changed. 2. Influence of experiences, other people, and our own beliefs. 3. Showing respect for others.
Key Concepts	Causation Change Function	Change Function Reflection	Function Perspective	Causation Connection	Form Causation	Perspective Reflection
Related Concepts	Properties of materials Design Sustainability Scientific method Experimentation	Trade Politics Invention/design Social systems	Producers & consumers Basic structure of economy (job roles, budgeting, etc)	Geo/Lithosphere Biosphere Hydrosphere Atmosphere Human impact	interactions human impact discoveries leading to innovation technology solar system universe creationism	Self-development Values Identity inspiration/influence Beliefs & experiences (values, people)
Learner Profiles	Inquirer Thinker	Communicator Reflective	Courageous Principled	Cryosphere	Inquirer Reflective	Caring Open-minded
ATL Skills	Research	Communication	Self-Management	Research	Thinking Skills	Social
Math Focus	Multi-digit Operations Volume Big Idea 1	Decimals Powers of 10 Metric System Big Idea 8	Fractions Big Ideas 2, 3, 6, 7	Fractions Big Ideas 2, 3, 6, 7	Geometry Patterns Big Ideas 4, 5, 9	Geometry Patterns Big Ideas 4, 5, 9
Writing Focus	Informative	Narrative	Persuasive	Opinion	Informative	Narrative
Integration	Music, Art	Art, Languages, PE	Art, Music, Languages		Languages, PE, art	