Exploring new ideas for school curriculum development with the goal of integrating Shenzhen and Hong Kong education

深港教育融合下課程發展的探索

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Curriculum Development Loop
課程發展閉環

Design

Implement

Review

Review   Present

Apply

PAR model (Petty, G.1998)

Active Experimentation (trying out what you have learnt)

Concrete Experience (actually having an experience)

Abstract Conceptualisation (learning from the experience)

Reflective Observation (reflecting on the experience)
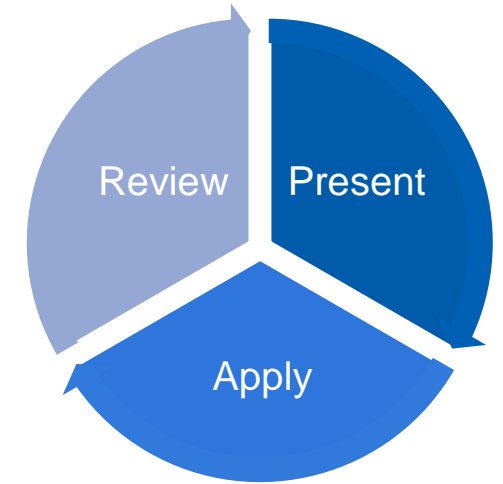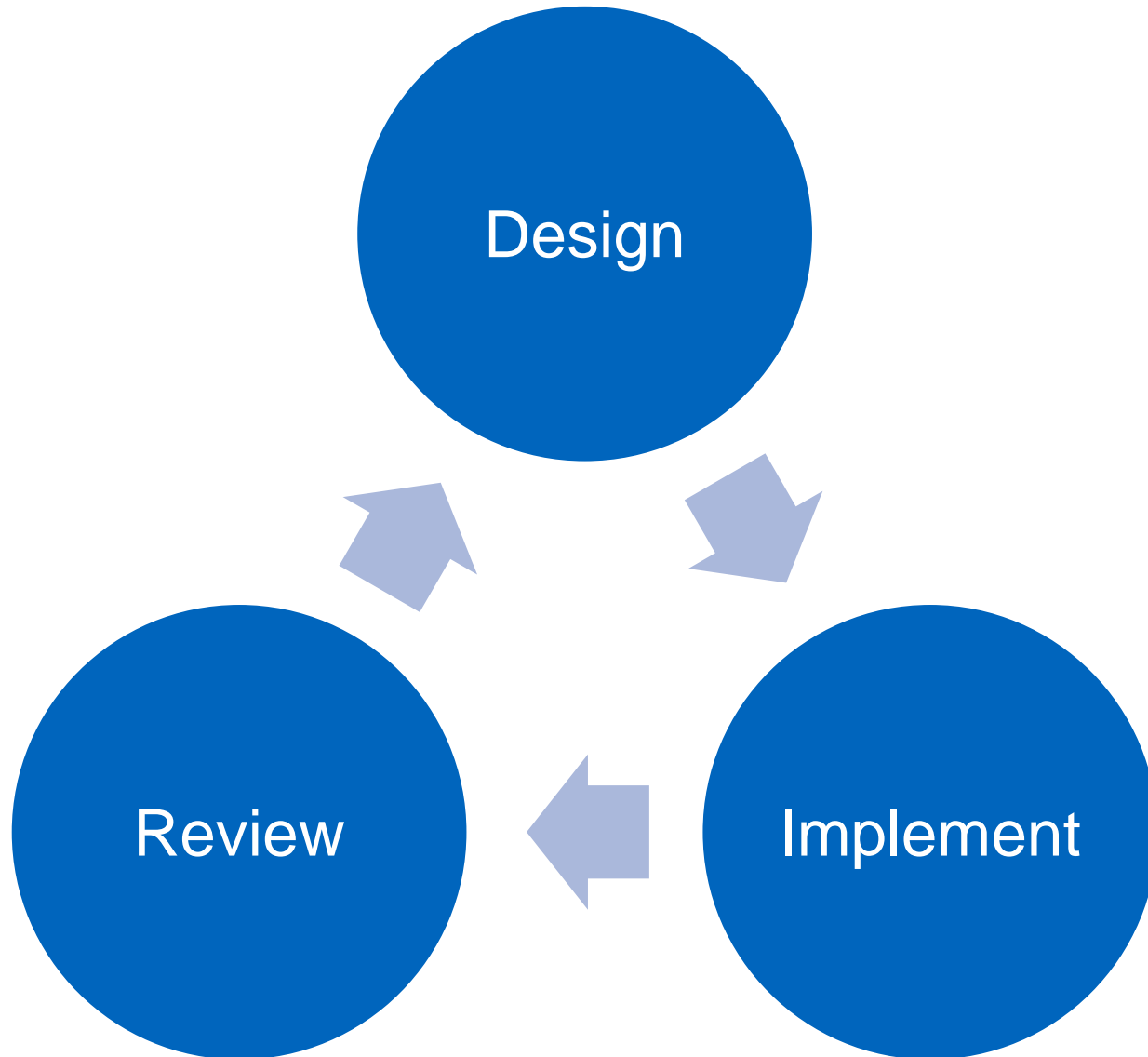
Kolb's Learning Cycle (1984)

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Residence

Commercial Center

Shenzhen North Railway Station

pond

Central Park

Residence

Classrooms
教室

Functional Rooms
功能場地

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Design a curriculum
課程設計

We should first think about the foundamental questions:

What is purpose of education?

What is the purpose of running our school?

School Vision and Mission of PKXYS

Bring together China and the West, cultivate outstanding new generations who can contribute to the Guangdong-Hong Kong-Macao Greater Bay Area and China's growth.

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Intergration of Curriculum of Shenzhen and Hong Kong

- Introduce Hong Kong' s curriculum and teaching methods
- Combine the advantages of the Mainland curriculum: Chinese, Mathematics, Chinese culture, moral education
- EMI and international perspectives
- Collaborate with other Pui Kiu Schools: sharing of curriculum and professional development, student and teacher exchange programmes

Intergration of Chinese and Western Teaching Strategies

- (Chinese) studious + (Western) diversified
- (Chinese) self-learning + (Western) inquiry-based learning
- Common Groud: Knowledge + Skills + Attitudes and Values

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- Syllabi
- Textbooks
- School-based workbooks

深圳香港培僑書院龍華信義學校

G4 Mathematics
Beat Maths Words (BMW)
Term 2

Name:_____ Class:_____( )

Module 1　Four Arithmetic Operations　四則混合計算

Vocabulary	詞彙
addition	加法
subtraction	減法
multiplication	乘法
division	除法
four arithmetic operations	四則混合計算
bracket	運算號
unitary method	歸一法
underline	在_____下面劃線
the rest	剩餘部分
at most	最多
equally	平均地
still	仍然，還
altogether	總共
Sentence Structure	句子結構
What is the change?	應找回多少錢？

Grade	Mainland Textbooks	HK Textbooks	Notes
G1		認識點、直線和曲線的直觀概念認識角柱（棱柱）和角錐（棱錐）	內地七年級仔細學習棱柱和棱錐
G2			
G3	直觀認識平移	認識及欣賞繡曲線製作繡曲線圖樣	
G4	三角形內角和規律認識線段、射線與直線生活中的負數認識和運用計算器	以歸一法解涉及正比例的應用題認識菱形的概念和性質圖形分割和拼砌一筆劃以及一筆劃成的圖之特性	香港六年級學習角內地教材初中才會有菱形的學習；
G5	展開與折疊；露在外面的面感受可能性有大有小（四五年級）根據方向和距離確定位置、自建參照系確定位置平方千米和公頃的認識	認識球的概念和基本性質認識傳統中國數字和羅馬數字；探究十進位記數法的優點；　理解立體圖形的頂點和棱的概念理解角柱中底的邊數、面的數目、棱的數目和頂點的數目之間的關係	香港五年級須認識及製作正方體和長方體的摺紙圖樣；內地教材初中才會有頂點和棱的學習
G6	比例、反比例、比例尺的認識面的旋轉圓柱的表面積、圓柱、圓錐的體積	解涉及非整數係數或常數的簡易方程	

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Teaching and Learning Strategies
教學策略

- Differentiation

- Projecte-based learning

- Learning through reading

- Tasked-based learning

- Group work

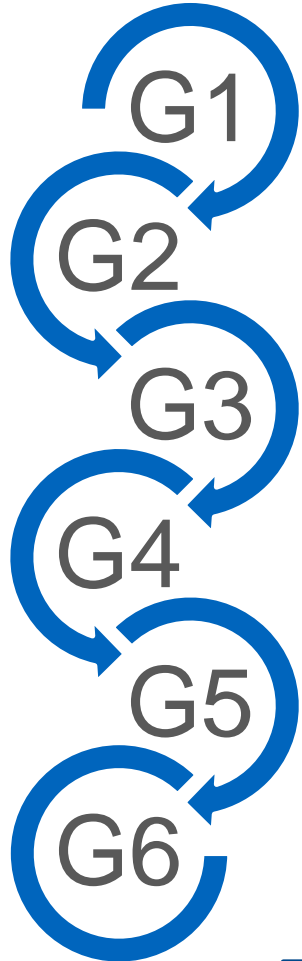- Programming and experiment

▶ Formative Assessment

　▶ Individual report

　▶ Group work

　▶ Programming

　▶ Group presentation

▶ Summary Assessment

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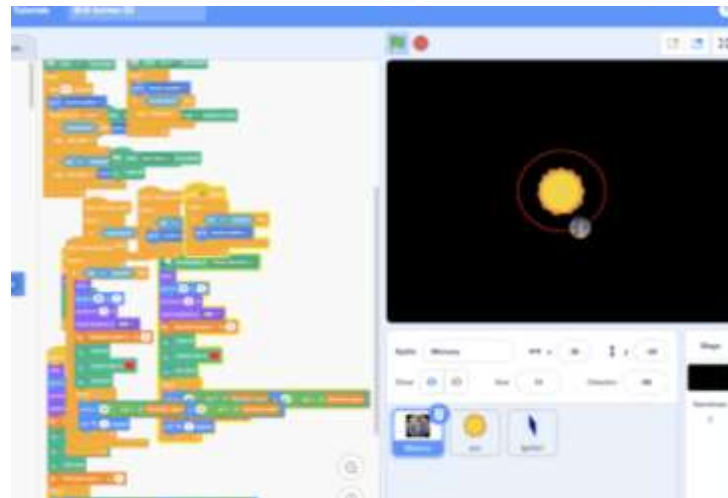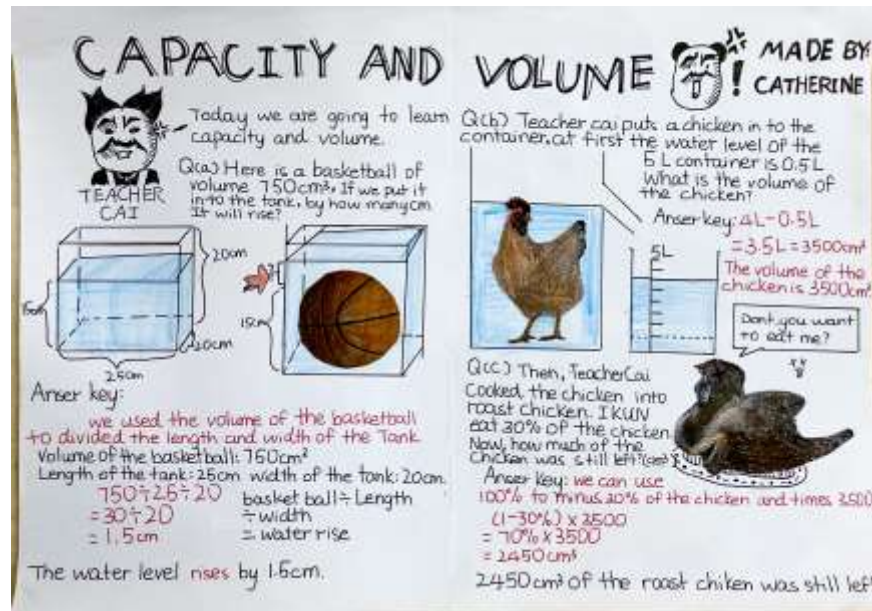
School-based courses
校本課程

G1
G2
G3
G4
G5
G6

- My Home
- Programming for Beginners: Bee-bot

- How environment affects our activities
- Unplugged Activities and Scratch Jr

- Hot and cold
- Word Processing Software: Word

- Important Resources
- 3D Design: TinkerCad

- The solar system
- Basic Programming: Scratch 3.0

- Matter and energy
- Programming in STEM: mBot

Task-based Learning

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Case Study 2- Career and Life Planning Course
深港融合案例2- 中學生涯規劃課程

Region	Mainland China	Hong Kong, China	United States	World Organization
Organizations	Education Bureau of PRC and Local Education Units	Further Studies and Career Guidance Section, School Development Division, Hong Kong Education Bureau	US Education Department	Organization for Economic Co-operation and Development(OECD); The Collaborative for Academic, Social, and Emotional Learning (CASEL)
Guidelines or plans	Outline of National Medium and Long-term Education Reform and Development Plan (2010-2020)	Secondary School Career Planning Education and Career Guidance Guidelines	Career and Technical Education	OECD Future of Education and Skills 2030 ; Social and Emotional Learning(SEL)

SEL is the process through which children and adults acquire and effectively apply the knowledge, attitudes, and skills necessary to understand and manage emotions, set and achieve positive goals, feel and show empathy for others, establish and maintain positive relationships, and make responsible decisions -- **CASEL**

Cognitive and metacognitive skills; social and emotional skills; and physical and practical skills --**The OECD Learning Compass 2030**
To simultaneously provide students with skills demanded in the labor market while preparing them for post-secondary degrees in technical fields. – **US Education Bureau**

Self-development

Career/ industries exploration

Crucial attitudes/ skills

Colleges/ Majors guidance
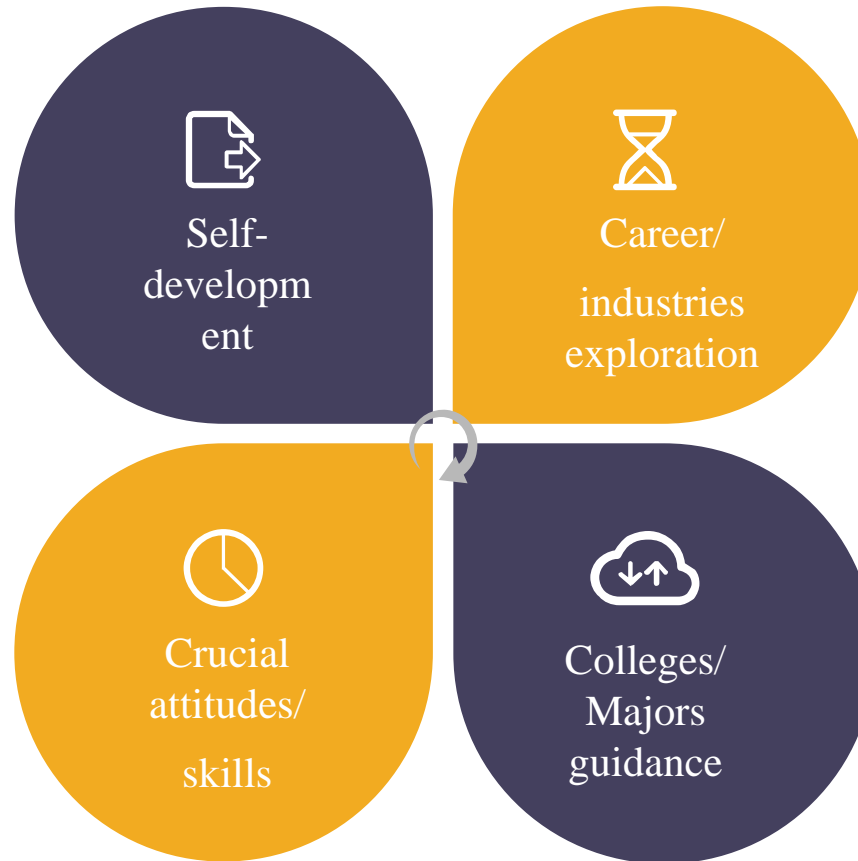
We recommend that a student's career planning or career development model should contain three elements: "Self-awareness and Development", "Career Exploration" and "Career Planning and Management"
In terms of Career Exploration, students should pay attention to the development trends and changes in the world - **Hong Kong Education Bureau**

Schools should adhere to guidance, grasp the individual characteristics of students, pay attention to the growth process, stimulate the potential advantages of each student, and encourage students to make continuous progress – **National Education Bureau**
We encourage students to preliminarily formulate a further education plan and put it into action– **Hong Kong Education Bureau**

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➢ Promote students' self-development and SEL practices through career guidance. 引导学生自我探索

➢ Get to know industries and related majors, and job duties 了解不同行業

➢ Develop crucial attitudes, employability skills and capabilities required by a rapidly changing job market 培养新时代变革下需要的人才能力

➢ Help students realize their college application plans 帮助学生实现升学理想

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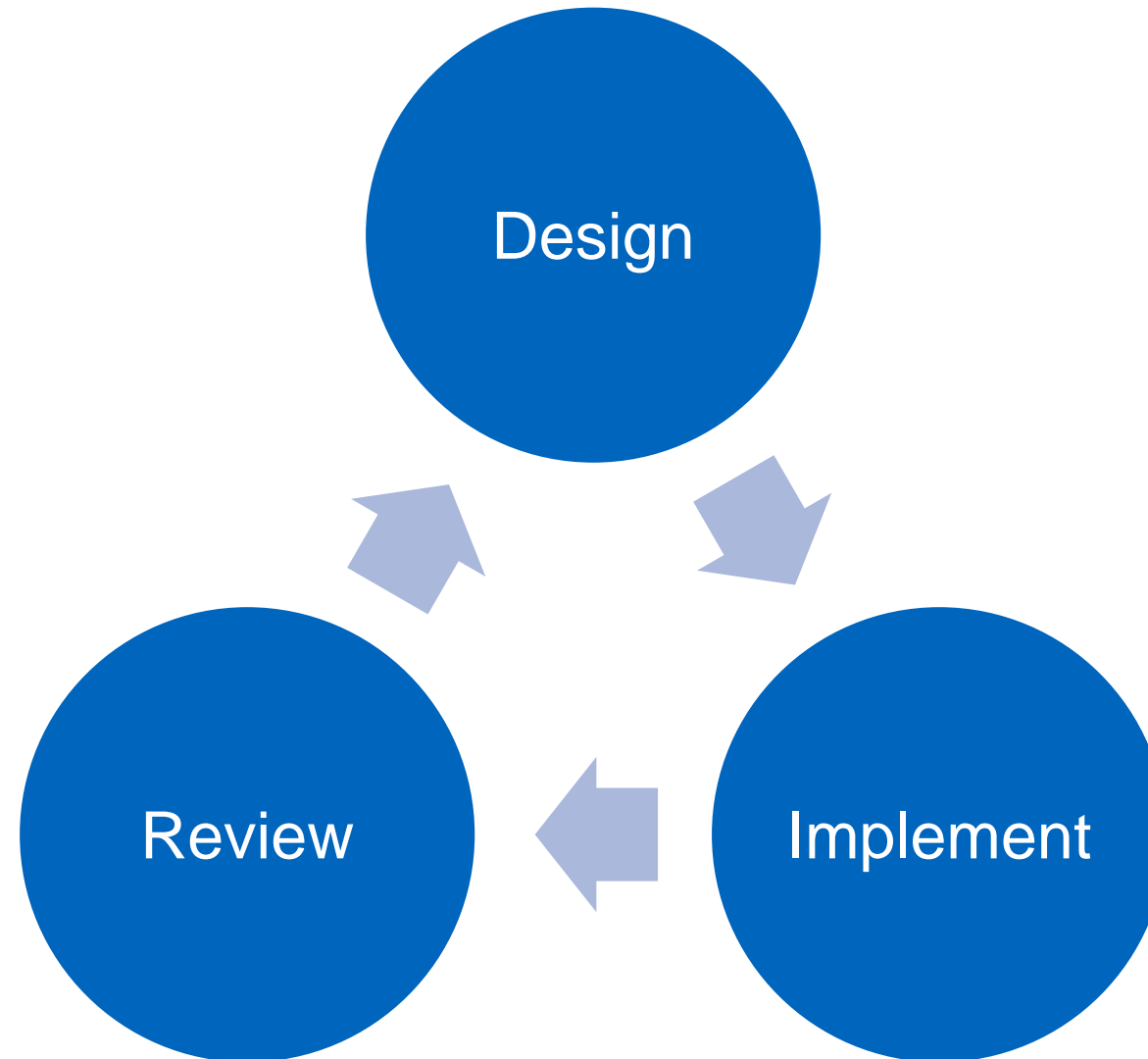International Education

Review the Curriculum
課程復盤

▶ Data-driven: Students Survey, Class Observation feedback, PTA, Review from educational bureaus.

▶ Stakeholder Involvement: Teacher, Grade Coordinator, Panel Head, Principals, director board, parents, students, government and society.

▶ Frequency: Weekly, Monthly and Yearly

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Curriculum Development Loop
課程發展閉環

Thank you
Any questions?