

**ST. LOUIS SCHOOL ANNUAL PLAN 2019-2020****SUBJECT / TEAM****INTEGRATED SCIENCE****(I) Aims**

- Students can learn science related contexts themselves.
- Students are curious about and interested in science.
- Students can use the language of science to communicate ideas in science related context.

**(II) Situational Analysis****(a) Strengths**

- Our team members have outstanding teaching skills, experience, qualifications and are capable of EMI teaching.
- Our team has good team spirit and every team member will devote his / her time to organize the activities of the panel.
- Resources are updated to allow teachers to extend their repertoire of classroom activities and methodology.
- Students are interested in the subject.
- Students are attentive and interested in doing experiments and demonstration of experiments.
- Students have opportunities to nurture their interpersonal relationship through teamwork in performing experiments, project work and visit.
- Students have opportunities to master some skills of 'learning by themselves' through online learning resources and project work.

**(b) Weakness**

- Most students are reluctant to use English in communication with their teachers and classmates during the lessons.
- Insufficient interaction between teachers and students during the lessons.
- Students' participation of extra-curricular activities is inadequate.

**(c) Opportunities**

- Our subject can provide various activities to motivate students' learning and develop the generic skills of students.

## (d) Threats

- More students are less willing to learn.
- More students are less capable of maintaining self-discipline.
- More students are less willing to read books.

**(III) Highlight**

- (a) S2 STEM project

**(IV) Short Term Direction**

- (a) Students can learn science related contexts themselves.  
 (b) Students are curious about and interested in science.  
 (c) Students can use the language of science to communicate ideas in science related context.

**(V) Areas of Concern****1. Major Concern 1: *Students as visionary leaders possessing enhanced thinking skills, especially creativity and problem solving*****Program title (1): Science Corner**

Targets	Strategies	Success Criteria	Methods of Evaluation	Time Scale	Person in charge	Resources Required
1.2 Students have solid and extensive knowledge base	<ul style="list-style-type: none"> <li>– Extending knowledge acquisition beyond classroom teaching and textbooks through reading.</li> <li>– As reference for students to prepare their STEM projects.</li> </ul>	Each student can read at least one book from the Science corner	Scrutinizing students' Reading Record Sheets	Sept 2019 to Jun 2020	All subject teachers involved	\$3000 to purchase new books of science-related content.

**Program title (2): mLearning and eLearning**

<b>Targets</b>	<b>Strategies</b>	<b>Success Criteria</b>	<b>Methods of Evaluation</b>	<b>Time Scale</b>	<b>Person in charge</b>	<b>Resources Required</b>
1.1 Teachers are able to master new technologies and effective ways to help students acquire essential knowledge and skills.	Teacher training requirements on new technologies and innovative ways of teaching are set.	Each subject teacher participate at least 1 workshop or seminar that related to new technologies and innovative ways of teaching.	Scrutinizing teachers' appraisal form	Sept 2019 to Jun 2020	All subject teachers involved	Nil

**Program title (3): S2 STEM Project**

<b>Targets</b>	<b>Strategies</b>	<b>Success Criteria</b>	<b>Methods of Evaluation</b>	<b>Time Scale</b>	<b>Person in charge</b>	<b>Resources Required</b>
1.2 Students have solid and extensive knowledge base 1.3 Students are able to identify needs and devise ways to meet the needs when facing problems, especially those real-life problems	<ul style="list-style-type: none"> <li>Adopting multi-ways for assessments</li> <li>Students reflecting on results of assessments</li> <li>Project learning across subjects</li> </ul>	<ul style="list-style-type: none"> <li>90% of students are successful to finish the tasks requested.</li> <li>90% of students follow the given criteria to write their reports</li> </ul>	Scrutinizing the experimental reports and the products made.	Oct 2019 to May 2020	All subject teachers involved and Mr. Hui (laboratory technician)	\$20,000 to buy extra electronic sensors and components for students' STEM projects

**(V) Other panel-based / team-based concerns:**

**Program title (1): Visit to Hong Kong Science Museum (Co-organized with Career Team)**

<b>Targets</b>	<b>Strategies</b>	<b>Success Criteria</b>	<b>Methods of Evaluation</b>	<b>Time Scale</b>	<b>Person in charge</b>	<b>Resources Required</b>
Students are curious about and interested in science.	To organize a visit to Hong Kong Science Museum	More than 90% of students enjoy the visit	Scrutinizing the evaluation form	May 2020	All subject teachers involved and Career Team Members	\$8000 for coach services

**(VI) Provisional Scheme of work**

<b>Month</b>	<b>Events</b>	<b>PIC / VPIC</b>
Sept 2019	Science Corner	All subject teachers
Oct 2019	S2 STEM Project, Science Corner	All subject teachers
Nov 2019	S2 STEM Project, Science Corner	All subject teachers
Dec 2019	S2 STEM Project, Science Corner	All subject teachers
Jan 2020	S2 STEM Project, Science Corner	All subject teachers
Feb 2020	S2 STEM Project, Science Corner, Reservation of visit to Hong Kong Science Museum	All subject teachers
Mar 2020	S2 STEM Project, Science Corner	All subject teachers
Apr 2020	S2 STEM Project, Science Corner	All subject teachers
May 2020	S2 STEM Project, Science Corner, Visit to Hong Kong Science Museum	All subject teachers & Career Team Members
Jun 2020	Science Corner	All subject teachers
Jul 2020		
Aug 2020		

**(VII) Budget and Other Resources**

	<b>Amount</b>
<b>EXPENDITURE</b>	
<b>A. General Panel / Team-based budget</b>	
A1. Science laboratory equipment, apparatus and all consumables	8,000.00
A2. Subject Panel printing allowance	60.00
A3. Teaching Resource Allowance for Publisher	400.00
Sub-total (A) =	<b>8,460.00</b>
<b>B. CEG</b>	
B1. S2 STEM Project	
B2.	
Sub-total (B) =	
<b>C. Furniture and Equipment (F &amp; E)</b>	
C1.	
C2.	
Sub-total (C) =	
<b>D. DLG</b>	
D1.	
D2.	
Sub-total (D) =	

<b>E. Reading Grant</b>	
E1.	
Sub-total (E) =	
<b>F. Life Wide Learning Grant (LWLG)</b>	
F1. Coach Services for Visit to Hong Kong Science Museum	8,000.00
Sub-total (F) =	<b>8,000.00</b>
<b>G. Budget of items using other specific grant from EDB* : _____</b> *Chinese History, NCS or Student Support grant	
G1.	
Sub-total (G) =	
<b>H. Other Resources</b>	
H1.	
H2.	
Sub-total (H) =	
<b>Total Expenditure =</b>	<b>36,460.00</b>

**(VIII) Members**

- Hui Chui Shun (HCS) (laboratory technician)
- Lai Hon Fai (LHF)
- Li Chi Yip Leo (LCY)
- Wan Chi Kong (WCK)
- Yeung Hon Pan (YHP)