

*Project No.: 2011/0018 (Revised)***Part C: Project Details****Project Title: Little Professionals: Little Pilot Welcome to the World of Flight**

Welcome to the World of Flight.

Kindergartners discover the awe-inspiring world of aviation with Little Professionals' Little Pilot theme curriculum. Lively cross-curricular lessons introduce the theme through engaging hands-on activities.

The Project encourages pre-primary students to investigate, play, role-play, listen, talk, and explore. The theme lends itself naturally to science-based inquiries and development of mathematical concepts, as well as the building social and community understanding. Children will learn through direct contact with objects, ideas and people in fun, accessible activities, to stimulate student interest in both the topic and the world outside, and will meet and interact with real career pilots. The project will be implemented across grades Kindergarten 1, 2 and 3, for a whole-school involvement.

The project is backed with a full-range of varied learning resources and extensions designed to stimulate and inspire.

**Objective**

The project aims to:

- Deliver meaningful age-appropriate lessons based on flight, aviation and the role of the pilot with a hands-on emphasis
- Provide content-rich, accessible lesson plan guides for teaching staff
- Promote the use of whole-learning, with diversified activities
- Provide visually rich materials
- Deliver exciting content, with innovative theme-based activities that centre around sensory experience enabling students to engage their full range of senses to facilitate learning
- Create lessons that cater to whole and small group studies
- Arrange group workshops at the airport and seminar with pilot professional
- Invite students to share and relate experiences
- Supplement students personal and social education to widen their view of the world
- Supply additional resource lists for extended study

**Goals**

Children undertaking the Little Professionals, Little Pilot theme curriculum should:

- Gain knowledge into the roles of professional pilot, their responsibilities and objects and tools they use
- Use mathematical and scientific concepts in an applied manner, including identifying, classifying, counting and problem-solving
- Conduct simple scientific experiments related to air and flight
- Acquire vocabulary and sentence patterns related to the theme
- Develop communication skills through use of symbols, signs and pilot 'codes'

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- Gain greater insight of the world at large to understand the social roles played by pilots and the consequence on students own lives
- Use role-play to develop understanding of others' lives and to further communication skills
- Widen knowledge of the concept of careers
- Meet and interact with a professional career pilot
- Increased question-forming and exploration skills
- Differentiate between self, others and objects
- Greater understanding of human capabilities
- Develop self-learning skills for studies

### School Background and Expertise

Soka Kindergarten was established by SGI President Ikeda founded on the SGI principles of Peace, Culture and Education. Hong Kong Soka Kindergarten was the first Soka Kindergarten established outside Japan. Hong Kong Soka Kindergarten (HKSK), inaugurated in September 1992, is located at 4 Moray Road, Kowloon Tong, Hong Kong. The motto of the school is "strength, integrity, and liveliness" and the goal is to foster strong bodies and good minds.

The five educational targets are:

1. To foster children's pure heart and healthy body.
2. To foster children's independent personality and strong willpower.
3. To foster children's gregariousness and care for the others.
4. To focus on children's individuality, to develop lofty sentiments.
5. To foster children's hope for the future, to expand their vision to the world.

The above demonstrate how our kindergarten, based on its three mottos, strives to develop the body and mind of capable people. The vision is to cultivate great players for the world stage through humanistic education.

### Target Audience

This project is designed for all three levels (K1, K2 & K3) in the school, total 652 students. There are eight classes of K1 & six classes of K2 and six classes of K3 all together in the morning and afternoon sessions.

**Number of Classes:**

	Morning AM	Afternoon PM
K1	4	4
K2	3	3
K3	3	3

Total            20            Classes

The total numbers of students are: 652

The total numbers of parents are about: 1304

The total numbers of teachers are: 42

**Creativity and Programs****Course Structure:**

Little Pilot Project supplies a diversified environment for children to develop their different potentials with an emphasis on active learning. The programme adopts many of the recommendations set out in the government's Guide to the Pre-Primary Curriculum towards achieving pre-primary education objectives. Lessons incorporate whole group, small group and individual learning experiences. Easily accessible and adaptable lesson plans are provided for each lesson, together with packs of workbooks, worksheets, resources, materials, multi-media and extension guides to be used in class.

**Curriculum Content:**

Little Pilot Theme Curriculum address the six learning areas outlined in the "Guide for Pre-Primary Curriculum":

- Language and Literacy
- Early Mathematic Concepts
- Science and Technology
- Arts
- Self and Society
- Physical fitness and Health

Sessions combine elements from across the curriculum's six key strands and places it's emphasis on enjoyable, accessible hands-on approach in a whole learning environment. The lesson's key theme will be set in a whole group setting, fostering a safe comfortable atmosphere for knowledge development, before children begin activities in small groups or independently. An active learning approach provides opportunities for children to experiment, explore and develop their skills base at their own pace. Supplied course materials and resources and a field trip to the Airport enrich the entire learning experience.

**English Provision:**

Course materials will be provided mainly in English and will be taught in bilingual Chinese and English, providing an additional English Language Acquisition programme.

Students will be engaged in the following ways:

**Verbally:**

- Through partner and small group interaction,
- In whole class activities
- Using learnt specialist vocabulary
- Using language to instruct
- Prepare short presentations

**In Listening:**

- Shared ideas and exchange
- Class discussion and analysis
- Receiving instruction
- Recorded media

**In Reading:**

- Course modules will be prepared in English
- Follow directions
- Respond to research
- Answer questions

**In Writing:**

- Pose questions
- Formulate answers
- Devise strategy, write instructions
- Results findings

**Vocabulary Acquisition:**

- Aviation terms
- Scientific methods of instruction
- Scientific principles
- Historical persons
- Pilot terms
- Conversational

**Needs Assessment**

The Little Pilot Project offers the school the ability to easily implement a portion of their curriculum which addresses all six learning areas and the relevant concepts, skills and attitudes these allow as outlined by the Hong Kong government guidelines.

Those outlines also contain the advice that “teachers must be well prepared before conducting activities. This includes activity planning, collecting teaching materials, setting the environment for learning and preparing learning aids, so that children can learn in an enriched environment.”

Little Pilot Project consultants will prepare and train the staff teachers. The project is designed to be easy to follow and come equipped with a full range of materials, including using varied media and resources of a multi-sensory nature, and a multimedia website to ensure students are provided such an enriched environment and many of the learning modules activities in the classrooms and online at home.

**Innovation**

The course is innovative both in its topic matter and in the way we approach the topic.

Content—Lively inquiry-based activities designed to introduce science and technology concepts in a

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simple, approachable way, certified by a career professional pilot.

Delivery—An innovative platform which incorporates real-world situations to promote awareness of social contexts. A focus on child-centred diversified learning, with hands-on activities. Website of the project will enrich with the in-class contexts for students and parents access them at home.

Approach—Run as a theme which can be inserted easily into any existing curriculum.

Target—Courses can be implemented across all three kindergarten learning grades.

**Meet The Pilot Seminar**

Meeting the Pilot Seminar is the most innovative session of the course. Students will reinforce their learned knowledge of the world of flight and aviation through an active assembly with the Pilot. The aim for this seminar is:

- To introduce the pilot and to learn more about his working life as a pilot.
- To interact with the pilot
- To contribute ideas and knowledge about aviation, and the world of flight
- To take part in stories and/or song

**Little Pilot Theme Curriculum**

Little Professionals Little Pilot Project has been developed in line with according to the recommendations of Education Bureau.

Guidelines	Little Pilot Theme Curriculum
<p>Science and Technology:</p> <ul style="list-style-type: none"> <li>• Natural phenomena and objects such as wind, rain, thunder, lightning, flowers, birds, worms and fish, which children encounter in their everyday life, can all be topics of natural science.</li> <li>• Teachers should encourage children to be conscious of their surroundings and learn through observation, analysis and inference.</li> </ul>	<p>Little Pilot deals with many of these natural phenomena. At its outset children are asked to study similarity and differences between things that fly, such as birds, and things that don't, such as themselves. They also evaluate differences in man made objects, such as planes and natural flying phenomena, such as birds and seeds.</p> <p>Weather and conditions also lends itself naturally to the subject of flight and aviation, and children will discuss how to predict the weather, chart its course and learn how different weather could affect a flight.</p> <p>Many activities focus on scientific phenomena, such as air, the sky and weather and offering opportunities to increase their awareness of their surroundings and environment.</p>

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<ul style="list-style-type: none"> <li>Teachers should discuss the applications of technology (such as radios, telephones, computers, etc.) with children by relating them to their everyday life, so that they develop a basic understanding of the benefits brought about by technology to society as well as relevant concerns about using it.</li> </ul>	<p>Child-centred activities provide many opportunities to observe, analyse and make guided conclusions.</p> <p>The role of the pilot in the cockpit and the technology he uses, such as radars and radios, to control the plane and communicate with others will be introduced within the theme's context.</p>
<p>Mathematics</p> <ul style="list-style-type: none"> <li>Apply simple preliminary mathematical concepts such as counting, ordering, sequencing, sorting, comparing</li> <li>Learn to identify the properties of objects such as their colour, size, weight, shape, etc., and build up basic concepts of space and time through a wide range of activities</li> <li>Develop thinking and problem-solving abilities through activities and observation, analysis and discussion</li> </ul>	<p>Activities will include comparing plane types and identifying planes with different functions. Ordering, sorting and sequencing will be included.</p> <p>Plane shape, design and parts will all help children disseminate colour, weight and size. Simple activities revolving around the notion of air and gravity, and comparisons between planes and self develop basic concepts of space and time.</p> <p>Many activities centre on observation, problem-solving and making conclusions. The above topics provides an good groundwork for these ideals.</p>
<p>Self and Society</p> <ul style="list-style-type: none"> <li>Know about themselves and appreciate their uniqueness, so as to enhance their self-concept.</li> <li>Expand their social circle, understand themselves and the social environment, learn about the close relationship between themselves and society, and develop civic awareness</li> <li>Children can understand their own abilities and strengths through various kinds of learning activities or free choice activities.</li> </ul>	<p>Children will study their capabilities in terms of flight and other actions. They will learn how humans overcame an inability to fly by studying nature and incorporating science and technology.</p> <p>Little Pilot gives a great opportunity for children to explore roles and responsibilities in society, and their involvement in aviation. Through studying the course, children will be asked to examine their role in society and compare it to that of aviation professionals.</p> <p>Each session will incorporate a number of curriculum subject stream and provides various different activities to cater to diversified learning.</p>

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<p>Language:</p> <ul style="list-style-type: none"> <li>In a meaningful language learning environment, children can practise the four language skills-listening, speaking, reading and writing.</li> <li>Use the vocabulary and short phrases they have learnt in order to express their ideas and needs.</li> </ul>	<p>Each session will allow for the formulation of language acquisition across the four strands.</p> <p>The theme naturally introduces new sets of vocabulary to the classroom, and children will be invited to use these words, phrases and sentence patterns in their explorations.</p>
<p>Arts:</p> <ul style="list-style-type: none"> <li>Enhance their expression and powers of communication through imagination and association</li> </ul>	<p>Children will stimulate communication through the imagination in role-playing roles, which enhance the use of learned concepts and vocabulary.</p> <p>Multi-sensory art and craft activities foster fine motor skills, creativity and experience of different media.</p>
<p>Physical Fitness and Health:</p> <ul style="list-style-type: none"> <li>Activities enable children to experience the capabilities of their body and develop a sense of space. Sensory experiences help children understand the relationship between themselves and the environment.</li> </ul>	<p>A range of exercises helps children relate their own physical skills to that of other humans, animals and machines.</p> <p>Concentration on the way planes operate, geography and the notion of flying stimulates spatial awareness.</p> <p>Varied activities highlight provide opportunities for gross and fine motor skill development.</p>

### Participation from the Principals, Teachers and Parents

#### Principal Participation

- The Principal acts as the chief facilitator in this project to provide valuable advices and leadership to the program. This well managed project will help students to learn the six areas of studies, and to achieve the active learning skills and communication skills.

#### Teachers' Participation

- To participate actively in the customization of the project, the teachers are asked to provide their input through preparation meetings with the consultants.
- To attend training workshops for teachers designed by the consultants to understand the objectives and the contents of this project.
- Being the leading teaching role with the consultants and teaching assistant, so that students' learning goals can be achieved in the workshops and classes.

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- To assist in the program implementation details (e.g. parent notice distribution and reply slip collection)
- To assist and encourage students in the application of the skills in their school life
- To observe the students' progress through the website activities and participation
- To provide evaluation and feedback to the consultants throughout the project

Parents Participation

- To attend introduction workshops designed by the consultants for parents to understand the objectives and the elements of this project.
- Playing an active role of co-teaching their children at home using the project website, so that students' learning can be extended beyond the classrooms.
- To assist and encourage children in the application of the skills at home.
- To observe the students' progress through the website activities and participation
- To provide evaluation and feedback to the teachers throughout the project

Consultants

- Develop the project's idea and concept
- Prepare the teaching materials for students, parents and teachers
- Provide workshops and setup the website for self-learning at home
- Observe and evaluate the progress and the online performance

Program Schedule

Schedule	Program	Target
Jan 2012 to Mar 2012	<b>Curriculum Development &amp; Customization</b> <ul style="list-style-type: none"> <li>- Develop and write the curriculum</li> <li>- Design workshops and classes</li> <li>- Develop materials for the courses, website and multimedia presentation</li> <li>- Setup the project's website and get ready the teaching kits</li> <li>- Discuss about this project, plan the schedule for classes and activities</li> <li>- Explain the perspective of the lessons and seminars</li> </ul>	Consultants & Principal
Mar 2012 to Dec 2012	<b>Training Sessions for Parent-Teacher Association (PTA)</b> <ul style="list-style-type: none"> <li>- Train the parents and teachers on the course details by means of web environment for future sustainability</li> </ul> <b>Training Sessions for Teachers</b> <ul style="list-style-type: none"> <li>- Train the staff teachers about the teaching materials and curriculum</li> <li>- Enable teachers to learn the core skills for the sustainability of future projects</li> <li>- 8 sessions, each 2 hours, total 16 hours</li> <li>- 2 Consultants</li> </ul>	Parents & Teachers



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Mar 2012 to Jun 2012	<p><b>Lessons for Students</b>          Featured "Flight School" Program: 16 lessons for each class          - for K1 (8 classes), K2 (6 classes) &amp; K3 (6 classes)          - Total 20 classes (K1, K2 &amp; K3)          - Total 16 lessons x 20 classes = 320 sessions</p> <p><b>Workshops for Students</b>          6 workshops of featured "Flight School" Program          - 3 workshops for K1 (8 classes) = 24 sessions          - 5 workshops each for K2 (6 classes) &amp; K3 (6 classes) = 70 sessions          - Total 84 sessions</p> <p>Delivered by - Kiddy Pilot Program Teaching Assistant &amp; Staff Teachers</p>	Students from all levels
Jul 2012 to Nov 2012	<p><b>Meet The Pilot - Seminar</b>          6 sessions (K1, K2 &amp; K3 - AM &amp; PM classes) of Meet The Pilot Seminar          3 hrs per session, 6 sessions, total 18 hours          - 2 Consultants</p>	Students from all levels
Dec 2012	<p><b>Visit the Airport</b>          Kiddy Pilot consultants will go with students and teachers to airport          2 sessions, 6 hrs each (AM/PM students), total 12 hours          - 2 Consultants</p>	Students from all levels & Parents
Dec 2012	<p><b>Feedback, Summary &amp; Evaluation</b>          Review the participation and involvement of workshops          Post-project assessment &amp; survey with teachers, students &amp; parents          Publish project evaluation &amp; survey results          Publish evaluation &amp; summary booklet for each student</p>	Students from all levels, Teachers & Parents

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Little Pilot Courses & Activities Timetable

Schedule	Lessons	K1	K2	K3
Mar-12	1	I'm a Pilot: Land, Air or Sea?	What is a Pilot?	Who is a Pilot?
	2	Things that Fly	Different plane, different pilot.	So Many Pilots
	Workshop	# 1. Take Off! At the Airport		
	3	Flying Shapes	Flying machines	Up Up Up Away
	4	Catching Air	My own Flying Machine	The Shape of Things
	Workshop	# 2. Flying Machines		
May-12	5	Up in the Sky	Plane Sailing: Steering the plane	The Wright Stuff.
	6	Clouds and Weather	All About Air	Where's Air?
	Workshop	# 3. The Power of Flight		
	7	Hot and Cold	Wings and Things	All About Gravity
	8	How many passengers in the plane.	More on Wind	Hot Air
	Event	Meet The Pilot - Seminar		
Jul-12	9	Different planes	Charting a Course.	Motors and Engines
	10	Jumping from planes	Where in the World?	A Question of Balance.
	Workshop	# 4. Hoop Dreams		
	11	Stunt planes	Falling Slowly	Lessons in Lift

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	12	Engines and Jets.	Propellers	Falling Down
	Event	Visit the Airport		
Dec-12	13	In Control! The Cockpit and beyond	Fly Faster!	The World From Up Here
	14	On the Plane	Where are you going?	Reading the Weather
	Workshop	5. Airplane-in-a-Box		
	15	A whole lot of planes!	Radio, Radio	Talk to Me
	16	My Little Pilot ID	I'm a Pilot Now!	I'm a Little Pilot
	Workshop	# 6. Things That Fly		

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**Budget**

	<b>Schedule</b>	<b>Program</b>	<b>Budget</b>
Staff	Jan 2012 to Dec 2012	<b>Project Coordination &amp; Management</b> <b>Program Coordinator</b> <ul style="list-style-type: none"> <li>- To manage the whole project with the school and teachers</li> <li>- To coordinate the seminars, classes and site visit</li> <li>- To supervisor the development of the website and teaching materials</li> </ul> <b>(\$7,000/month x 12 Months + MFP)</b>	\$88,200.00
	Mar 2012 to Jun 2012	<b>Lessons for Students</b> Featured "Flight School" Program: 16 lessons for each class <ul style="list-style-type: none"> <li>- for K1 (8 classes), K2 (6 classes) &amp; K3 (6 classes)</li> <li>- Total 20 classes (K1, K2 &amp; K3)</li> <li>- Total 16 lessons x 20 classes = 320 sessions</li> </ul> <b>Workshops for Students</b> 6 workshops of featured "Flight School" Program <ul style="list-style-type: none"> <li>- 3 workshops for K1 (8 classes) = 24 sessions</li> <li>- 5 workshops each for K2 (6 classes) &amp; K3 (6 classes) = 60 sessions</li> <li>- Total 84 sessions</li> </ul> <ul style="list-style-type: none"> <li>- <b>Kiddy Pilot Program</b> <b>Teaching Assistant</b></li> <li><b>(\$7,000/month x 4 months + MPF)</b></li> <li>- Assist staff teachers to deliver the materials and programs to students</li> </ul>	\$29,400.00
Service	Jan 2012 to Mar 2012	<b>Curriculum Development &amp; Customization</b> <ul style="list-style-type: none"> <li>- Develop and write the curriculum</li> <li>- Design workshops and classes</li> <li>- 2 Consultants (\$600/hr/person, total 30 hours)</li> </ul>	\$36,000.00
	Mar 2012 to Dec 2012	<b>Training Sessions for Parent-Teacher Association (PTA)</b> <ul style="list-style-type: none"> <li>- Train the parents and teachers on the course details by means of web environment for future sustainability</li> </ul> <b>Training Sessions for Teachers</b> <ul style="list-style-type: none"> <li>- Train the staff teachers about the teaching materials and curriculum</li> <li>- Enable teachers to learn the core skills for the sustainability of future projects</li> <li>- 8 sessions, each 2 hours, total 16 hours</li> <li>- 2 Consultants (\$600/hr/person, total 16 hours)</li> </ul>	\$19,200.00

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Service	Jul 2012 to Nov 2012	<b>Meet The Pilot - Seminar</b> 6 sessions (K1, K2 & K3 - AM & PM classes) of Meet The Pilot Seminar - 3 hrs per session, 6 sessions, total 18 hours - 2 Consultants (\$600/hr/person, total 18 hours)	\$21,600.00
	Dec 2012	<b>Visit the Airport</b> "Kiddy Pilot" consultants will go with students and teachers to airport - 2 sessions, 6 hrs each (AM/PM students), total 12 hours - 2 Consultants (\$600/hr/person, total 12 hours)	\$14,400.00
	Jan 2012 to Dec 2012	<b>Video Recording &amp; Video Editing for Classes, Seminar &amp; Workshops</b> - Include video files conversion for website use  <b>Website Development &amp; Maintenance</b> - Video Library for interviews and reviews of workshops - Multimedia teaching materials presentation - Teachers' administration platform - Maintenance and updates	\$10,000.00  \$15,000.00
General Expense	Jan to Dec 2012	<b>Printing Cost</b> - Teaching materials, promotional posters, flyers and banners - Studying Kits: \$ 30 x 650 kits - Evaluation & Summary Booklet: 650 booklets): \$ 10 x 650 booklets <b>Others</b>	\$3,000.00 \$18,900.00 \$6,300.00 \$2,000.00
	Dec 2012	<b>Audit Fee of the Project</b>	\$5,000.00
<b>Total Budget</b>			<b>\$269,000.00</b>

Assets Usage Plan

Not applicable for the time being

**Evaluation**

- Seminars, workshops, discussion and online activities will be monitored and reviewed by teachers and consultants. Teachers and consultants will provide evaluation reports at the end of the project.
- Parents and teachers will complete the pre-project and post-project survey about the expectation and the performance of the project.
- Evaluation methods are including the following:

	Pre-Project Survey	Participation (80% or above)	Post-Project Survey	Students Involvement Online with parents	Teachers' Observation	Consultants Observation
Topic & Theme	Yes	Yes	Yes		Yes	Yes
Seminars		Yes	Yes		Yes	Yes
Workshops		Yes	Yes		Yes	Yes
Discussion		Yes	Yes		Yes	Yes
Field Trips		Yes	Yes		Yes	Yes
Online Platform		Yes	Yes	Yes	Yes	Yes

**Sustainability & Outcomes of the Project:**

- Students would gain new vision to the world and personal skills for their studies in school.
- Transferable skills gained on the project will be carried over into other disciplines to benefit the school.
- A complete, systematic and innovative pre-primary education program to be developed and will be easy to follow, implement and develop for future.
- Publish and print Little Pilot teaching materials kits, teacher's guideline, and activities tools; as the core of the project in the next school years.
- Teachers to be trained in this project will be leading this project for new students in coming years.
- Parents Teachers Association Exco committee will recruit volunteer parents to attend training session with the teachers
- A complete evaluation and surveying will be done to enhance the project and its materials.
- The website for this project will be sustained by the financial support of the school or PTA;
- Online contents developed for this project will be retained for future teaching use.
- Students would be able to access the reading, video and other teaching materials from the website to review what they have learnt after the project is completed.
- The website will also provide links and resources for those parents interested in furthering their knowledge of the topic which can be used in coming years.

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- School will develop more courses based around varied number professions to complete the directives outlined in the Government's Guide for Pre-Primary Curriculum.
- Other Schools can access all the information and materials via the website of this project, and learn from the contents and experience of this project.
- Sharing sessions for parents and teachers can be organized.
- Summary and evaluation of the project will be published in booklets to promote the project to other parents and other schools.
- Parents who have involved will be invited to promote this project to other parents and schools.

**Report Submission Schedule**

My school commits to submit proper reports in strict accordance with the following schedule :

<b>Project Management</b>		<b>Financial Management</b>	
<b>Type of Report and covering period</b>	<b>Report due date</b>	<b>Type of Report and covering period</b>	<b>Report due date</b>
Progress Report 1/1/2012 – 30/06/2012	31/7/2012	Interim Financial Report 1/1/2012 – 30/06/2012	31/7/2012
Final Report 1/1/2012 - 31/12/2012	31/3/2013	Final Financial Report 1/1/2012 - 31/12/2012	31/3/2013