

SINGAPORE CHINESE GIRLS' SCHOOL
2011 ENHANCED ENRICHMENT PROGRAMME
(Synopsis)

2011EEP_(Type 1)

S/N	Title of Module	Module Code	Module Synopsis (brief description in about 50 words)	Essential Understandings <i>At the end of the module, pupils will be able to.....</i>
1	Medico-legal issues in daily practice	8101	What skills and qualities must a doctor possess? What are the expectations of a doctor by the patient and the public? This module focuses on the Hippocratic Physician's Oath and The Declaration of Geneva, which place the patient's interest as first consideration. However, technology and social demands have frequently posed ethical dilemmas to physicians. This module showcases some case scenarios which call upon legal and ethical considerations.	<ul style="list-style-type: none"> • understand the challenges that the medical profession faces today. • appreciate the medico-legal and ethical dilemmas in real world situations through case studies. • gain a basic understanding of what constitutes responsible and ethical practice in health care. • apply their understanding to critically analyse a medical-related issue, propose solution and present it to in a chosen media form/platform.
2	Physics in the Military - An Introduction to the Science of Weaponry and Military Technology	8102	This module aims to introduce students to the science and technology behind weapon systems such as guided weapons, sensors, global positioning systems and communications systems. It also explores how many modern-day technologies such as digital cameras, air-traffic radars, the internet and the GPS, all began as military inventions. With the help of creative scientists and engineers, the world can benefit even more from the transfer of military technology into civilian applications.	<ul style="list-style-type: none"> • understand how technology helps people to meet needs and wants. • develop their own technological solutions to problems by Investigating technological solutions to everyday problems.
3	The Merlion speaks: a literary learning journey about responding to place.	8103	A visit to the Merlion and other nearby downtown landmarks with literary associations to discuss how poets and writers in Singapore have engaged with the physical landscape to address broader themes. Participants will be encouraged to interact with fellow visitors to the environment and to write their own response to place.	<ul style="list-style-type: none"> • understand how factors interact over space • understand what functions are being served and their interrelationships • explain how settlement is developed • plan city expansion and improvements • explain the human and environmental impacts of change in the settlement
4	Prepare To Read In Public!	8104	This 4-hour pens-on workshop will explore practical methods of creating scaffolds and springboards to help flesh out initial ideas into fresh yet fully-formed poems or stories. Topics that will be covered include:	<ul style="list-style-type: none"> • better appreciate the value of reading aloud in public and doing it well • differentiate between different types of reading and performance. • know a range of tips and techniques for improving the live reading voice. • understand how to project their voice with power and conviction. • appreciate the art of articulation: pacing, tone, breath, volume, rhythm and pause • employ reading aloud as a way to improve comprehension, writing and revision.

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5	Preparing To Write	8105	For many beginning writers, a key challenge is to turn their spark of an idea into a rich, sustained and coherent piece of writing. However, there are many ways in which the imagination can be nourished before even setting pen to paper, making the writing process a much more productive one.	<ul style="list-style-type: none"> • better understand the nature of inspiration and how to generate, use and sustain ideas. • identify and begin to explore around the key questions at the heart of their own creative writing • look at the same set of story facts from different angles. • employ different methods to flesh out their writing without fluff. • use collaborative techniques to fill in the details of a world they want to write about. • employ free-association, visualisation, role-play and other ways to generate more relevant detail for writing. • put a story together in coherent ways, with structure, development and editing.
6	Tea Appreciation 茶道	8107	<p>The module aims to introduce the rich tea culture in China, including types of tea leaves, tea ceremony and its cultural implications in the different eras.</p> <p>The module also highlights the differences between tea culture in China, Japan and India.</p> <p><i>This Module requires participants to understand basic mandarin.</i></p>	<ul style="list-style-type: none"> • understand that tea culture is evolutionary and differs in different countries due to changes in economic, social and geographical factors. • understand that everyone can learn to appreciate tea culture.
7	Introduction on the notion of Respectfulness in the Korean and Japanese cultures	8108	The lesson aims to introduce both the Korean and Japanese cultures to our local community, with special emphasis on the notion of Respectfulness, a shared value in most Asian Confucian societies. In so doing, our participants may have a better understanding of others as well as to reflect on their own culture.	<ul style="list-style-type: none"> • understand the notion of respectfulness in a foreign culture (Korean & Japanese context) • understand respectfulness as a universal notion/value (Some relation between Chinese and Korean/Japanese's definitions on respectfulness) • Instill the notion of respectfulness in our learners (Why & How).
8	Beginner's Guide to Exchange Rates and the Foreign Exchange Market	8109	This course aims to provide pupils with a basic understanding of foreign exchange market. It will trace the evolution of foreign exchange, from barter trade in the Neolithic period to the use of currencies. Pupils will be introduced to how exchange rate is determined in the global financial markets and how and why Central Bank intervenes in the Foreign Exchange Market.	<ul style="list-style-type: none"> • understand the concept of exchange rate and how market forces affect exchange rate • apply their understanding in personal and business contexts.
9	Statistics - In Decision Making	8110	Uncertainty lies in most decision-making. From complex medical, ethical decisions to our everyday life, statistics lie at the heart of such decisions. Explore how statistics are presented, learn how we analyse them and how conclusions drawn play a role in all these dynamic situations.	<ul style="list-style-type: none"> • understand application of statistical concepts in medical decision-making • explain what are ethical and value-based choices • appreciate application of statistical concepts in daily decisions

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10	iPad Maths Trail @ Marina Barrage	8111	In this module, pupils will use cutting edge technology such as the iPad and wireless solutions to answer Math questions located all over the venue. This new technology would not only be fun and refreshing but also introduce the pupils to future modes of learning. The pupils will also understand that water is an important resource in Singapore and we must all try our best to conserve water.	<ul style="list-style-type: none"> • understand that Math is a system for organizing the world quantitatively • explain that Mathematics gives us tools to describe and predict changes in order to make informed decisions in our world • appreciate the fun of applying the learning of Math in the real world, enhanced by the use of ICT technology.
11	Bringing out the best in your digital images	8113	In this course, students will learn 1. to redefine digital imaging with a strong focus on photography. 2. a broad range of techniques and concepts through hands-on activities.	<ul style="list-style-type: none"> • understand that editing should maintain the integrity of the photographic images' content and context. • explain how to ensure that images are accurately presented so as not to be misleading. • use appropriate elements in photo editing.
12	Indian Cuisine- Lets spice up our lives!	8114	Indian Cuisine refers to food from the Indian sub-continent. Due to the extensive practice of vegetarianism in Indian society, the food from this part of the world is characterized by the widespread use of various spices, herbs, vegetables and fruits. While Indian food is more popular for its taste and variety, its nutritional values and medicinal effects are seldom discussed. In this module, we will discuss the nutritional value of Indian Cuisine. We will also explore how diverse culture and geographical factors have determined the food habits of the Indian community as well as the history of Indian spices.	<ul style="list-style-type: none"> • understand that there are cultural differences within a country • explain how cultural and geographical differences impact people's food habit • understand that spices and various herbs originate from India and contribute to the nutritional value in its cuisine.
13	Take the Cake - Cupcake making and decoration	8115	In this module, decorating cupcakes has never been easier with these simple and fun cupcake decorating techniques. Here you will find everything you need to know to create perfectly decorated cupcakes – from choosing the right type of icing to creating delicious fillings and using a variety of candies for cupcake decorations!	<ul style="list-style-type: none"> • prepare a cupcake for decoration. • prepare icing of different consistencies • infuse colouring to produce desire effects
14	Introductory German	8116	German is the most pervasive non-English language spoken in Europe. With internationalisation at our doors, equipping ourselves with basic German will open unlimited opportunities for world-readiness and spurs mutual global benefits for all enriched partners and individuals.	<ul style="list-style-type: none"> • use basic conversational German phrases for • read simple German text correctly • engage in a conversation in basic German.
15	Introductory Japanese	8117	Japan is one of the largest economies in the world. With internationalisation at our doors, equipping ourselves with basic Japanese will open unlimited opportunities for world-readiness and spurs mutual global benefits for all enriched partners and individuals.	<ul style="list-style-type: none"> • use basic conversational Japanese phrases for • read simple Japanese text correctly • engage in a conversation in basic Japanese.

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16	Venture Capitalist - What makes a successful risk taker?	8118	Through interactive and group activities, students will be exposed to basic concepts of entrepreneurship and the quality of a successful brand.	<ul style="list-style-type: none"> • recognise core entrepreneurship skills, • understand how to assess risk
17	您好 VS Annyeong haseyo (A glimpse into Chinese & Korean cultures)	7103	Prepare your own kimchi and understand through this hands-on experience the significance of food in Korean culture. You will also be exposed to basic knowledge of the Korean rituals such as wedding and funeral. <i>This Module requires participants to understand basic mandarin.</i>	<ul style="list-style-type: none"> • appreciate the similarities and differences between Chinese culture and Korean culture. • understand how values and beliefs are reflected in rituals. • appreciate food preparation as a fundamental aspect of culture.
18	小元宝的故事 The Story of Chinese Dumpling	7104	Turn Dumpling Chef for a day and be able to explain the richness of Chinese history and culture behind this culinary delight.	<ul style="list-style-type: none"> • understand the symbolism of Chinese Dumpling in Chinese culture.
19	The Simpsons Representing The World	7110	We examine the various elements of The Simpsons that makes us laugh, then laugh some more. Why are cartoons like The Simpsons so popular, with such a large fan base? Why is it that adults enjoy the episodes just as much as young children? We also take an in-depth look at the conventions of The Simpsons and its links to popular culture, as well as other television shows and books.	<ul style="list-style-type: none"> • identify the elements involved in making an episode of The Simpsons; • identify the stereotypes prolific in The Simpsons; • identify conventions of the cartoon genre; • understand how The Simpsons uses popular culture in each episode; • understand the different levels of 'reading' a visual text (adult, student, child).
20	The Ethics of Using Animals in Science Research	6101	This module aims to inculcate in students a healthy respect for animals and their usefulness in science research. The students will be made aware of current practices and guidelines that are in place to ensure that the harm done to animals is kept to a minimum. Students will then apply their learning in dissection of a frog and rat. They will understand how their understanding of the organ systems in humans is enhanced through dissection of the animals.	<ul style="list-style-type: none"> • appreciate the benefits of animal-based science. • appreciate the need for rules and guidelines to control the use of animals in science research.
21	Understanding Chinese Calligraphy through Seal Engraving	6102	Craft your own Chinese seals and appreciate the centuries of rich culture and history behind this special art form. <i>This Module requires participants to understand basic mandarin.</i>	<ul style="list-style-type: none"> • understand that culture and history can be passed down many centuries through Chinese seal carving. • study and appreciate the design and craftsmanship of seals.

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22	Kasut Manik	6105	Students will be introduced to the rudiments of sewing 'kasut manet' i.e. 'beaded slippers', used by the Peranakans. This will be a hands-on course with participants working on their own products under the guidance of an instructor.	<ul style="list-style-type: none"> • pick up basic stitching and sewing skills for 'kasut manek'. • appreciate the intricate beadwork unique to the Peranakan culture • appreciate Peranakan culture through a craft.
23	Playing Pop-piano	6106	<p>Students will be introduced to the rudiments of basic Pop Piano playing techniques. They will learn chord charts and be exposed to different genres of Pop. They will learn to play by ear, and accompany their own songs in Pop styles. The students will use IT based piano keyboards and learn to record their work for transfer into music files which they can use. Students who love to sing and enjoy playing the piano will definitely learn much from this course.</p> <p><i>This module requires participants to have at least grade 4 in piano.</i></p>	<ul style="list-style-type: none"> • learn the rudiments of basic pop playing techniques. • learn to read and interpret chord charts and accompany music using chord structures. • record their songs into iTunes.
24	Digging for the Truth	6109	This module aims to expose students to the basics of archaeology. Students will have undergo hands-on activities that fosters archaeological inquiry so as to create a better understanding of past and present cultures.	<ul style="list-style-type: none"> • understand that knowledge of human past is essential for understanding the present and shaping the future. • appreciate that learning about cultures past and present is essential for living in a pluralistic society and world. • explain that archaeology is a way to learn about past cultures. • understand that stewardship of archaeological resources is everyone's responsibility.
25	Digital Posters Creation	6112	Create a digital poster using Adobe Fireworks .	<ul style="list-style-type: none"> • create an A1 Size poster using Adobe Fireworks. • understand that effective visual digital media is based on elements and principles of design • apply the elements in Poster Design • understand that copyrights laws apply to digital media
26	Bread Talks?? – Basics to making bread	6113	Want to bake bread that is as professional-looking and tasty as those sold in bakeries? This module will teach you the basics of baking bread and how to complete batch-baking to prepare at least 3 different items from the prepared dough – Pork floss bun, custard fruit bun, cartoon-faced buns	<ul style="list-style-type: none"> • learn the basics of bread baking such as proving and kneading • creatively manipulate the flavours of the buns that they can produce
27	Exploring Knowledge	5101	This is an introduction to the International Baccalaureate's Theory of knowledge module adapted for Secondary students. Conducted in an interactive style, it explores the nature of knowledge.	<ul style="list-style-type: none"> • comprehend that knowledge is justified true belief. • understand what are weak and strong justifications.

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28	Ageing Sensitization	5111	Students will go through simulations of what it feels like to be old and perhaps also immobile or disabled. They will learn through these activities about the older person's functional decline. Pupils will also visit the Lee Ah Mooi Old Age Home to heighten their awareness of the elderly and the elderly sick.	<ul style="list-style-type: none"> • appreciate how we can age gracefully and live fruitful lives. • empathise with the needs of the elderly and elderly sick based on age, physical condition, social and economic status.
29	Understanding Indian Culture Through Dance	5113	Indian culture is best understood through its dance, music, art, literature and architecture. This workshop will offer a brief introduction to the various classical and folk dances of India. The emphasis will be on Bharatanatyam – the oldest Indian Classical Dance form.	<ul style="list-style-type: none"> • perform the basics of the dance form and understand its music, costumes, make-up and history. • develop an appreciation for Indian Culture and Indian dances- Classical and Folk. • understand how Bharatanatyam is a comprehensive art – a culmination of music, movement, history and literature.

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1	Food Processing Methods	8201	This module aims to introduce students to the latest high-tech methods used during food processing. One of the methods students will be trying out is to carry out experiment to produce 'cholesterol-free' food. Besides making their own cholesterol-free food substances, they will also find out how waste prawn shells and waste tea bags can be turned into a highly effective natural preservative that prevents fresh fruits from perishing too fast.	<ul style="list-style-type: none"> • identify types of food containing cholesterol • describe the harmful effects of cholesterol accumulation in the human body • extract cholesterol from milk and convert cholesterol-rich food to cholesterol-reduced food • perform qualitative analysis on cholesterol before and after conversion • design fair experiments to evaluate effectiveness of chitosan preservative film on fruits preservation • extract anthocyanins from fruits and perform qualitative analysis on anthocyanins • gain exposure to the use of UV-VIS spectrophotometry or colorimeter to quantify colour changes • gain exposure to Beer-Lamber's law in the correlation of absorbance units with concentration of analyte • gain exposure to alternative methods to calculate percentage of cholesterol removed
2	Media Production	8202	<p>Interested to produce your own film with a professional production company? Learn conceptual and practical skills that are involved in the entire process of production from a company that currently creates programmes for local television. Be your own scriptwriter, director and producer!</p> <p>All Secondary 3 Media Studies students are encouraged to attend this enrichment module.</p>	<p>Learn knowledge, skills and inculcate values through the process of a film creation.</p> <p>They will be able to:</p> <ol style="list-style-type: none"> 1. Understand the processes, roles and troubleshooting of a typical production from pre-production to post-production. 2. Demonstrate practical and creative skills in narrative scriptwriting, video production and editing 3. Direct and produce an original video production
3	SO, YOU WANT TO BE A JOURNALIST? Non-fiction for beginners	8204	This workshop will introduce participants to the basics of journalism, newstinking, and non-fiction writing: a growing literary form which encompasses a wide range of skills and professions from journalism to essay writing, blogging, commentary, interviews and magazine feature writing.	<ul style="list-style-type: none"> • produce a short piece of non-fiction writing based on research done over the two day-session using the skills introduced in the workshop • have a keener appreciation of: <ol style="list-style-type: none"> 1 What makes good news writing / non-fiction 2 Structure, Balance, Appeal in non-fiction writing 3 How headlines make the difference 4 The art of finding out: researching a news story from start to finish 5 Turning research into writing 6 How to conduct an interview with purpose and poise 7 The Art of Commentary: Expressing an opinion with conviction and credibility 8 Blogging, creative non-fiction, and other forms of documentary writing

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4	Operations Research A Smarter Way to Make Decisions	8205	This module aims to introduce students to the basic concepts of operations research and ask to solve fun but challenging problems. Operations Research helps to answer questions such as how many counters should a MacDonald's restaurant open in order to keep its customer lines short, and how a school bus driver determines his route so that fewer buses are needed to fetch schoolchildren to school. These and other interesting problems are often solved using Operations Research – a mathematical approach to making decisions. They will also be shown how Microsoft Excel can be programmed to solve even more complex problems that have many considerations and variables. By the end of the workshop, students will have a chance of exercising their creativity in solving real-world problems, and a better appreciation for the use of basic calculus.	<ol style="list-style-type: none"> 1. Skills developed through mathematical problem solving help clarify, answer, and explain problems people encounter in the real world. 2. Reflecting on the problem-solving process helps to prepare us to better solve new problems in the future. 3. In computation there is only one correct answer, but there are many ways to approach the problem.
5	Introduction to Investment Management	8206	This course aims to provide pupils with a basic understanding of the different types of financial products commonly available in the market such as equities, bonds, options, warrants and future contracts. Pupils will be introduced to the basic concept, approach and strategy of investments. Topics covered are risk and return trade-off and portfolio diversification. They will also be taught portfolio management.	<ul style="list-style-type: none"> • understand the basic concept, approach and strategy of investments • have a good understanding of financial products and the risk and return of these products. • build a balance investment portfolio in accordance to risk tolerance.
6	Is there only one pill for everyone?	8207	Explore how statistical presentation and interpretation influence how healthcare chooses the right pill when you are sick. Appreciate the role of different parts of the healthcare system. Understand how healthcare provision varies in the region.	<ul style="list-style-type: none"> • understand the use of Statistics in healthcare. • appreciate how the pharmaceutical industry practices and how it is regulated • appreciate how different healthcare systems work in diverse societies • understand the role of charitable organisations • understand how basic statistics lead to complex models in healthcare systems
7	The Battle of Singapore - Revisited	8210	This module aims to help pupils appreciate the importance of military defence for Singapore. They will examine how armed conflict shapes all aspects of world affairs.	<ol style="list-style-type: none"> 1. Understanding the human past is essential for understanding the present and shaping the future. 2. A country will engage in war to protect its interest. 3. Each decision made by a country will affect and influence other countries. Every action results in a reaction that will have long and short term
8	Creating motion graphics and blockbuster visual effects	8209	In this course, students will learn <ol style="list-style-type: none"> 1. to create motion graphics and blockbuster visual effects using Adobe After Effects 2. a broad range of techniques and concepts through hands-on activities. 	<ol style="list-style-type: none"> 1. Elements in creating special effects. 2. Respecting intellectual property. 3. Creative and innovative use of special effects.

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9	Wilton's Cake Decorating Course 1	7201	Thousands of people have experienced the excitement of decorating their first cakes in a Wilton Method Class. With a Wilton Method Instructor as your guide, you will see how easy and rewarding it is to decorate wonderful cakes and other desserts that will delight your family and friends. In Course 1 you will be shown the right way to decorate, step by step. You would be awarded an internationally recognized certificate which allows you to continue to Course 2, 3 and 4.	<ul style="list-style-type: none"> 1 Master the fundamentals of cake decorating; 2 Build on their expertise (after the fundamentals); 3 Infuse self-expression and creativity on what is learnt; 4 Execute the smoothest frostings, exact size, shape and position of every decoration
10	CSI@SCGS	7202	This module aims to introduce students to the world of Forensic Science. They will learn the various different techniques used in crime scene investigation to process different evidences. Through the examination of fingerprint, simulated blood, fibers, saliva and handwriting samples from a simulated crime scene and the use of deductive reasoning, they will eliminate suspects and nab the culprit. In the process, they will learn the theory behind the various techniques and as a result gain an understanding of the chemistry and biology concepts that are applied in CSI technology.	<ul style="list-style-type: none"> • understand the scientific concepts behind conventional test kits used in crime scene investigations • appreciate the importance of preventing contamination of samples or tampering with evidence • use the microscope to examine samples as well as use common techniques in their investigation of the crime scene • apply deductive reasoning skills to analyse their test results and catch the culprit • communicate their deductive reasoning to their peers.
11	Science Communicator	7203	This workshop is designed to provide opportunities for students to engage in positive experiences in science exploration and discovery, and to equip them with a natural curiosity to engage in science activities in the future. Students will be trained on the finer points of science communication and hone their skills to interpret science experiments and exhibits. They will not only be gaining scientific knowledge and know-how, they will also be trained on public speaking, thinking on their feet, conducting effective research and engaging in critical analysis.	<ul style="list-style-type: none"> • interpret and appreciate the science concepts underlying science exhibits • communicate their understanding of science concepts in a clear and confident manner • host and guide members of the public through the science exhibits
12	Malay Film Appreciation	7206	In this module, pupils will: Students will learn to critique a movie based on a given framework. They will also appreciate how a movie is produced. <i>This Module requires participants to be competent in Malay Language</i>	<ul style="list-style-type: none"> • understand that a movie reflect some realities in life.
13	Revisiting Enid Blyton Through Theatre	7211	Enid Blyton's stories have been a staple of every child's reading diet. We will look back at these well-loved tales and attempt to redefine them according to our evolving teenage and adult views. We will also explore how Blyton's works could be staged in an attempt to bring her words to life!	<ul style="list-style-type: none"> • identify the underlying conflict within the stories (in general) • identify the role of gender and how she uses it • understand the different levels of reading that one text may present to various audiences, and the implications of all • understand the techniques of stage production • adapt a story to form a simple production

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14	Young Docents Programme - Internship	6202	Docents who have undergone training in Nov – April will now officially be leading their first groups to the National History Museum. They will be applying the skills they have learnt in their training.	<ol style="list-style-type: none"> 1. Being a Docent makes them more aware about what it means to be a Singaporean.. 2. A sense of pride and conviction and belief in what we are doing is necessary to be an effective guide. 3. A guide needs to engage their audience through interesting stories about the artefacts.
15	Investigating Urban Geography	6203	In this module, one seeks to understand how factors interact over space, what function they serve and their interrelationships. The development of settlements is examined--planning city expansion and improvements. One also attempts to account for the human and environmental impact of the change.	<ol style="list-style-type: none"> 1. The interplay of factors over space affects development. 2. Functions of settlements overlap. and are thus interrelated. 3. City expansion and improvements are planned, not random. 4. Changes in settlements are shaped by human and environmental factors.
16	Wellness Through Traditional Chinese Medicine(TCM)	6204	<p>Get a glimpse into the world of Traditional Chinese Medicine (TCM) and learn about the rich culture behind it. You also learn how to enhance your personal healthcare and wellness through TCM.</p> <p><i>This module requires participants to be proficient in mandarin.</i></p>	<ul style="list-style-type: none"> • understand that TCM can help to enhance personal healthcare and wellness. • appreciate cultural aspects of medical treatment.
17	Talk your socks off!	6207	<p>Are you worried about public speaking? Do you get into a sweat each time you have to speak in front of a few people, much less a larger crowd? If so, this workshop is for you!</p> <p>In 2 x 4 hour sessions, you will learn how to present yourself in the best possible way, be confident when you are in front of an audience and know how to keep an audience's rapturous attention.</p> <p>By the end of this workshop, you will be shrugging off all fears and fighting off all others for use of the mic at morning assemblies!</p>	<ul style="list-style-type: none"> • present confidently to an audience • match presentations appropriately to varying purposes and audiences • understand the difference between impromptu, small group and large group presentations. • use appropriate register, pitch and tone to suit all presentations • improve on enunciation and pronunciation of difficult words
18	Basic Radio Presentation Skills	6210	Be a radio DJ and learn the basic elements of a good music radio programme. Pupils will be workshopped on show preparation, interviewing skills, music format and content development by experienced and popular broadcast personalities.	<ul style="list-style-type: none"> • put together a music programme to be broadcast • format an engaging programme • interview a personality • apply radio presentation skills • use elements of showmanship.

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19	Light and Beauty	5202	<p>Participants will discover how light works through a lens medium, while achieving different visual effects on the human face.</p> <ul style="list-style-type: none"> • Through lecture, video presentations and a workshop, they will discover some historical and current conventions on "what is beauty". • A hands-on make-up workshop will be conducted • A very basic studio photography will be included, time permitting. <p>This module is meant for participants who are creative, outgoing and dare to try out new experience.</p>	<ul style="list-style-type: none"> • understand that beauty is a complex concept that is both culturally and genetically defined. • use stage and studio make-up • conduct a short photoshoot after makeup session. <p><i>Participants must bring along their own cameras (with basic DSLR functions) as well as a thumb drive (1G minimum) to take away their works.</i></p>
20	Food Entrepreneurs	5204	<p>This workshop aims to introduce to students the world of Food Science which includes Food Chemistry, Food Physics and Life Science-Microbiology. Students will role-play research and development executives, marketing executives and quality assurance executives in a food company. They will apply scientific concepts to come up with creative and innovative ideas to transform food such as cookies and cup cakes into more trendy and hip products.</p> <p>The teams will then design a business proposal plan as well as an advertising plan for their food product. They will then present their product and business</p>	<ul style="list-style-type: none"> • draw own conclusions of scientific concepts through hands-on experimentation • understand and develop scientific inquiry skills and apply the investigative approach for future experiments • reflect their understanding of the concepts through graphic organisers. • appreciate and apply research skills such as planning, evaluation and modification to experiments • write a business proposal with attached recipe • appreciate the productive synergy of good teamwork
21	Avian Flu - Disease Diagnostics	5205	<p>This workshop includes the theory and hands-on activities for Polymerase Chain Reaction (PCR) which is one of the most powerful tools in modern biotechnology. Students will take on roles of scientists to isolate bacteria from prepared culture taken from infected patients (hypothetical epidemic). Using the Polymerase chain reaction, they will investigate the bacteria strain and determine if the spread of infection is an act of god or an act of terrorism.</p>	<ul style="list-style-type: none"> • draw own conclusions of scientific concepts through hands-on experimentation • understand and develop scientific inquiry skills and apply the investigative approach for their future experiments • appreciate the advantages and disadvantages of the various techniques and technologies that are used in the disease diagnostics
22	Basic Aerospace	5206	<p>This module aims to introduce basic aviation theories interwoven with science concepts. In the aviation component, students will learn about flight instruments, aerodynamics, basic navigation and map reading. The academic component will cover effects of atmosphere and altitude on humans, motion sickness, vision and other phenomena. Students will also be taught how to fly a plane and finally have a chance to "fly" a plane using a Flight Simulator with the help of real-world route and airport charts.</p>	<ul style="list-style-type: none"> • appreciate how Physics and Life Science concepts are applied in the field of aerospace and aviation • understand and apply the skills required to plot and plan successful take-off, flying and landing of a plane using the simulator • appreciate the importance of accurate use of charts and maps in aviation • appreciate the productive synergy of good teamwork

SINGAPORE CHINESE GIRLS' SCHOOL
2011 ENHANCED ENRICHMENT PROGRAMME
(Synopsis)

2011EEP_(Type 2)

S/N	Title of Module	Module Code	Module Synopsis (brief description in about 50 words)	Essential Understandings <i>At the end of the module, pupils will be able to.....</i>
23	The Math of Roulette - Against all Odds	5211	In this module, pupils will be exposed to probability theory to examine the relationship between abstract mathematical models and the real concrete world. Using real life simulatons in the games of chance, the pupils will be taught how to apply probability concepts and devise appropriate strategies to derive favourable outcomes. Based on hands-on investigations, pupils will be given the opportunity to test, analysis and evaluate empirical data using their chosen strategies.	<ul style="list-style-type: none"> • understand the mathematical theory behind the game of Roulette • predict the outcome of the roulette fairly well through the application of the Probability theory • gather data and observe patterns. • apply probability concepts and devise ways in using strategies to derive favourable outcomes; • explain and examine the relationship between empirical probability and theoretical probability in games of chance • analyse, compare and evaluate empirical data through performing trials to provide a reasoning platform in formulating an optimum strategy.
24	Cashflow 101 Board Game	5212	Cashflow 101 is a board game designed by Robert Kiyosaki, the famous author of 'Rich Dad, Poor Dad'. This game aims to teach you concepts of investment by having your money work for you. As you play,you will have a better understanding of the financial terms used in investment, which will help you plan for future investments, making your wealth grow exponentially.	<ul style="list-style-type: none"> • understand that mathematics exists in real life • learn that mathematics play an important role in financial planning • do good planning for their financial investment • make informed decisions in wealth management • understand concepts of investment and financial terms used in investment • apply mathematics into real life situation.
25	Change and Continuity - A FASHIONable Trend	5213	This module aims to expose students to a social theory – change and continuity, through a survey of 20th century fashion trends. Students will explore major fashion trends in the 20th century - what contributed to these trends, how such trends evolved and the impact of these trends. As students discuss these issues, the social phenomenon of change and continuity will surface and students will appreciate characteristics of this social phenomenon.	<p>understand that</p> <ol style="list-style-type: none"> 1. change and continuity is a key social phenomenon. 2. societies are characterized by change. 3. change is not necessarily progress. 4. change can be due to the environment as well. 5. collective behaviour is a form of change 6. continuity is linked to man’s habits, a pattern of behaviour. that gives man a sense of security and control.
SWP	Stanford Writing Programme	SWP	Be exposed to an intensive and rigorous writing workshop. Conducted by PhD writing programme candidates from the Education Programme for Gifted Youths (EPGY) division of Stanford University, this course is designed for those who are passionate about writing. Pupils will have the opportunities to engage in peer critique and experiment with different writing techniques.	<ul style="list-style-type: none"> • hone their creative writing skills. • learn different ways to activate their creative schema. • apply new writing techniques. • critique a piece of writing. • model their writing styles on those of published authors.
PPT	Philosophy and Politics for Teens	PPT	Be exposed to critical reasoning skills that are crucial to the method of philosophical reasoning. Participants will debate on highly controversial and ethical issues that are at the heart of philosophical discussions. In the second half, students will have a sampler of some political theories, the philosophy underlying these and also understand what makes the world tick through major political organizations.	<ul style="list-style-type: none"> • hone their critical thinking skills. • debate and defend their stand on controversial issues • develop greater global awareness