

Course syllabus Semester 1

Learning Group: Chinese

Subject: Chinese Language8

Year Level: 11

Total: 1.0credit

Number	Topics	Contents	B.E. 2551 Standard	B.E. 2551 Grade Level indicators	Objectives	Assessment Scores
1	1. One year has two semesters 2. Camping 3. How's your exam? 4. Summer vacation.	1. Vocabulary 2. Dialogues 3. Conversation	Grade 11	<ul style="list-style-type: none"> • Use Pinyin (the PRC's official romanized "spelling" system for Chinese syllables) to accurately Pronounce Chinese words. • To practice the real conversation in Chinese life Improve their writing skill	understand, develop and communicate ideas and information <ul style="list-style-type: none"> • access, analyse, evaluate and use information from a variety of sources • work collaboratively to achieve individual and collective goals • possess the knowledge and skills necessary to maintain a safe and healthy lifestyle 	20
	Review 5 Shopping 6 How much ? 7 Convenient stores	4. Grammar 5. Sentence structures		Use correct vocabulary and grammar introduced in the course to carry out simple daily life conversations in Chinese on selected topics, such as greetings, telling dates & time, family, hobbies, visiting friends, & occupations	<ul style="list-style-type: none"> • Recognize 50-80 Chinese characters and produce the sounds associated with the characters. 	30
Final Exam Semester 1						50
Total Score for Semester 1						100

Course syllabus Semester 2

Learning Group: Chinese

Subject: Chinese Language 6

Year Level: 11

Total: 1.0 credit

Number	Topics	Contents	B.E. 2551 Standard	B.E. 2551 Grade Level indicators	Objectives	Assessment Scores
1	8. Amusement park 9. I love music 10. Review 11. What a wonderful performance 12. Review Dictation	1. Vocabulary 2. Dialogues 3. Conversation 4. Grammar 5. Sentence structures	Grade 11	<ul style="list-style-type: none"> • Students should prepare the course text and try to speak Chinese and review what they have learned on lessons. 	understand and apply a variety of analytical and creative techniques to solve problems • understand, interpret and apply concepts related to numerical and spatial patterns, structures and relationships • be productive, creative and confident in the use of technology and understand the impact of technology on society • understand the work environment and be equipped with the knowledge, understanding and skills to evaluate potential career options and pathways • develop a system of personal values based on their understanding of moral, ethical and	20
		6. Revision		Students will be able to use the communicating skills learned from this class.		30

					spiritual matters.	
Final Exam Semester 2						50
Total Score for Semester 2						100

Sarasas Ektra School

Contents Overview Semester2 Academic Year 2016

Subject Grade 11 Science Teacher Mr. Jesse

Week	Topics	Contents	Objectives
1	Atomic Structure	<ul style="list-style-type: none"> ● Atomic Models ● Types And Amount Of Elementary Particles Of Atom From The Nuclear Symbol Of Elements 	<ul style="list-style-type: none"> ● Trace the history of atomic model
		<ul style="list-style-type: none"> ● Electronic Configuration In The Outer Energy Level With Element Properties And Reaction 	Analyse and explain electronic configuration in atoms and relationship between electrons in outermost energy-level with properties of elements and formation of reactions
2	The Periodic Table In The Periodic Table	<ul style="list-style-type: none"> ● Evolution Of Periodic Table ● The Arrangement Of Elements 	Search for data and explain structure of atoms and nuclear symbol of elements
3		The Symbol Of The Elements	
4		Ionization energy and valences	
5	Chemical Bond	<ul style="list-style-type: none"> ● Chemical Bonding In The Molecule ● Types Of Chemical Bonding 	Search for data and explain relationship between boiling point, melting point and state of substances

			with binding forces between particles of substances
6		Relationship Between Properties Of Substance And Bond Between Particles Of Substance	Analyse and explain the formation of chemical bonds in crystal network and in molecules of substances
Midterm Examination 2/2016			
1	Chemical Reaction	The Meaning Of Chemical Reaction Rate Of Chemical Reaction	Explain effects of chemical substances on living things and the environment
2		Activation Energy Symbols Of Chemical Equation	Experiment , explain and write equations of general chemical reactions found in daily life
3	Petroleum	The Meaning Of Petroleum, Crude Oil, And Natural Gas Petroleum Oil Distillation	
4		Products/ Advantages/ Disadvantage Of The Products	<ul style="list-style-type: none"> ● Give reasons why there are no bad polymers, just bad applications of them.
5	Polymer	The Meaning Of Polymerization Properties Of Polymer	<ul style="list-style-type: none"> ● Identify different plastics
6	Biomolecules	Element, Properties, Advantages, And The Reactions Of Carbohydrate, Oil, Protein, And Nucleic Acid	
Final Examination 2/2016			

Course Syllabus (Midterm-Semester 1/2017)

Learning Group: Science

Subject Code: SC 21201

Subject: English

Year Level: 11

Total: 4 periods / week

Credit: 1.0

Objectives: The students should be able to...	Contents	Topic	Period	Week
Observe instructions in manuals for various types of work, clarifications, explanations and descriptions heard and read.	Introductions, Class Behavior and Expectations, Class Objectives, Lifestyle vocabulary, Review Present Simple and Present Progressive tenses	Lifestyles	1-4	1
Observe instructions in manuals for various types of work, clarifications, explanations and descriptions heard and read.	Review Present Perfect tense, Comfort vocabulary	Lifestyles	4-8	2
Accurately read aloud paragraphs, news, advertisements, poems, and skits by observing the principles of reading.	Persuasive Speaking, Character vocabulary, review article usage	Heroes	8-12	3
Accurately read aloud paragraphs, news, advertisements, poems, and skits by observing the principles of reading.	Character vocabulary, review article usage	Heroes	12-16	4
Explain and write sentences and texts related to various forms of non-text information, as well as specify and write various forms of non-text information related to sentences and texts heard or read.	Adversity, Occupation vocabulary, Chapter 2	Adversity	16-20	5
Explain and write sentences and texts related to various forms of non-text information, as well as specify and write various forms of non-text information related to sentences and texts heard or read.	Celebration, Celebratory vocabulary, Cultural Values, Chapter 3	Celebration	20-24	6
Identify the main idea, analyze the essence, interpret and express opinions from listening to and reading feature articles and entertainment articles, as well as provide justifications and examples for illustration.	Technology, Electronics vocabulary, Chapter 4	Technology	24-28	7

Identify the main idea, analyze the essence, interpret and express opinions from listening to and reading feature articles and entertainment articles, as well as provide justifications and examples for illustration.	Technology, Electronics vocabulary	Technology	28-32	8
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Course Syllabus (Midterm-Semester 1/2017)

Learning Group: Math

Subject Code: MA

Subject: Math

Year Level: 11

Total: 2 periods / week

Credit: 1.0

Week	Period	Topic	Contents	Objectives: The students should be able to...
1	1-2	Arithmetic sequence	Introduction to arithmetic sequence	Explain about the definition of arithmetic sequence
2	3-4	Arithmetic sequence	How to write explicit and recursive formulae for an arithmetic sequence	Write both explicit and recursive formulae for an arithmetic sequence
3	5-6	Arithmetic series	Introduction to arithmetic series	Explain what arithmetic series is and show some relevant examples
4	7-8	Arithmetic series	Some specific formulae for arithmetic series	Use these formulae with satisfaction in problem solving
5	9-10	Geometric sequence	Introduction to geometric sequence	Explain about the definition of geometric sequence
6	11-12	Geometric sequence	How to write a formula for a geometric sequence	Identify the pattern of a geometric sequence eventually write a formula for it

7	13-14	Geometric series	Introduction to geometric series	Identify the property of geometric series
8	15-16	Geometric series	How to write a formula for a geometric series	Write a formula for a geometric given

Course Syllabus (Midterm-Semester 1/2017)

Learning Group: Science

Subject Code: SC21201

Subject: Social Science

Year Level: 11

Total: 2 periods / week

Credit: 1.0

Week	Period	Topic	Contents	Objectives: The students should be able to...
1	1-2	Introduction to Geography	<ul style="list-style-type: none"> - Earth our home - Interrelationship between People and the Environment 	<ul style="list-style-type: none"> • Identify physical and human features or patterns that affect the Earth. • Describe impacts of processes and understand responses to manage the environment.
2	3-4	Map Reading and Basic Techniques	<ul style="list-style-type: none"> - Map Reading, Basic Techniques 	<ul style="list-style-type: none"> • Interpret symbols. • Specify locations. • Determine directions. • Measure distances • Represent heights • Interpret human activities from topographical maps
3	5-6	Plate Tectonics	<ul style="list-style-type: none"> - Structure of the Earth - Tectonic Plates - Types of Plate Boundaries 	<ul style="list-style-type: none"> • Knowledge of the structure of the Earth • Identify the reasons for plate movements. • Identify the types of plate movements encountered at the different plate boundaries • Recognize landforms that are formed at the different plate boundaries
4	7-8	Plate Movement	<ul style="list-style-type: none"> - Plate Movements and Landforms - Plate Movements and Resultant Phenomena 	<ul style="list-style-type: none"> • Know the distribution of landforms and phenomena associated with plate movements. • Identify the formation of landforms and phenomena associated with plate movements. • Compare the characteristics of landforms and phenomena associate with plate movements.

5	9-10	Earthquakes	<ul style="list-style-type: none"> - Why are Earthquakes dangerous? - Impacts of Earthquakes - Factors influencing Extent of Earthquake Damage - How do People Adapt to Earthquakes and What Lessons Can We Learn? 	<ul style="list-style-type: none"> • Explain the impact of earthquakes on people living in an earthquake-prone area. • Identify the factors influencing the extent of earthquake damage. • Conclude on the effectiveness of the measures people have taken to adapt to earthquakes.
6	11-12	Elements of Weather	<ul style="list-style-type: none"> - How is Weather Different from Climate? - Changes in Weather - What are the Elements of Weather? - Why We Study Elements of Weather 	<ul style="list-style-type: none"> • Explain differences between weather and climate. • Know elements of weather • Know reasons for variations in temperature at different locations. • Know Formation of convectional and relief rain • Know the formation of winds at different scale
7	13-14	Types of Climate	<ul style="list-style-type: none"> - Types of Climate - Climate Changes in the last 200 years 	<ul style="list-style-type: none"> • Know the distribution and characteristics to tropical equatorial, tropical monsoon and cool temperate climates. • Know the weather and climate of Thailand • Describe the climate changes in the last 200 years, effects and mitigation of and adaption to climate change.
8	15-16	Floods and Droughts	<ul style="list-style-type: none"> - What Are Floods and Droughts and What Are the Causes - Impact of Floods and Droughts - Adapting to Floods and Droughts - Living with Floods and Droughts 	<ul style="list-style-type: none"> • Know the causes of floods and drought (natural and human causes). • Understand the impacts of floods and droughts on human lives and the environment. • Design Strategies to manage and minimize the damage caused by floods and droughts and their effectiveness.