

Course syllabus

Subject : English

Year : 5

Semester: 2

Unit	Topic	Content	B.E. 2551 Standard	B.E. 2551 Grade Level indicator	Objectives
8	Let's eat healthily!	First conditional - First conditional questions - get Phrasal verbs with - Listening and summarising - Asking and answering - questions about diet Writing a personal account -	F4.1 Grade 5 1	1. Listen, speak and read/write in various situations in the classroom and in school.	- Students should be able to use first conditional in their speech - Students should be able to make dialogues using phrasal verbs with 'get' * - Students should be able to ask and answer questions about healthy food
9	The big match	- Modal verbs (may, might, could) - Have to / had to statements and questions - Antonyms - Listening for detail in an interview * - Writing up an interview from notes	F4.2 Grade 5 1	1. Use foreign languages to search for collect various data.	- Students should be able to make sentences using phrasal verbs - Students should be able to recognise words with the opposite meaning - Students should be able to write up an interview from notes
10	Ancient buildings	- Indefinite pronouns - Question tags - Listening for details about ancient sites - Asking and answering questions about museums - Writing a description account	F4.1 Grade 5 1	1. Search for and collect the terms related to other learning areas, and present them through speaking/ writing.	- Students should be able to use indefinite pronouns correctly Students should be able - answer to ask and questions about different places should be able Students - to write a description account

Unit	Topic	Content	B.E. 2551 Standard	B.E. 2551 Grade Level indicator	Objectives
Midterm Semester 2					
11	for the future A message	<ul style="list-style-type: none"> - The passive (present simple) - Passive and active - Homonymes - Listening and identifying descriptions - Asking and answering questions about films - Writing a film review 	F2.2 Grade 5 1	1. Tell similarities/ differences between pronunciation of various kinds of sentences, use of punctuation marks and word order in accordance with structures of sentences in foreign languages and Thai language.	<ul style="list-style-type: none"> - Students should be able to use passive voice in their speech - Students should be able to recognize words with similar meaning - Students should be able to ask and answer questions about films
12	!Be a part of history	<ul style="list-style-type: none"> - The passive (past simple) - Passive questions - Listening and identifying opinions - Asking and answering questions about future aspirations - Writing an opinion text 	F1.3 Grade 5 1-3	<ol style="list-style-type: none"> 1. Speak/write to give data about themselves and matters around them. 2. Draw pictures, plans and charts to show various data heard or read. 3. Speak/write to express opinions about various matters around them. 	<ul style="list-style-type: none"> - Students should be able to ask questions using past passive voice - Students should be able to listen and identify opinions - Students should be able to write an opinion text
Final Exam Semester 2					
Total Score for Semester 2					

Course syllabus

Subject : Mathematics

Year : 5

Semester: 2

Unit	Topic	Content	B.E. 2551 Standard	B.E. 2551 Grade Level indicator	Objectives
7	Decimals	<ul style="list-style-type: none"> - Converting Decimlas to Fractions - Multiplying by Tens , Hundreds And Thousands - Dividing By Tens , Hundreds And Thousands - Using A Calculator Word Problems	Grade 5 M1.1 3	1.Analyse and show method of finding answers to problems and mix-problems of cardinal numbers,fractions, decimals and percentages, as well as aware of validity of the answers, and can construct problems involving cardinal numbers.	<ul style="list-style-type: none"> - Students should be able to convert decimals to fractions. -Students should be able to use calculator correctly. - Students should be able to divide by tens, hundreds and thousands. - Students should be able to analyse and solve word problems.
8	Measurements	<ul style="list-style-type: none"> - Converting A measurement From a larger unit to a smaller unit - Converting A Measurement From A smaller unit to A larger unit 	M2.1	1. Tell the relationship between measuring units for length, weight and volume or capacity.	-Students should be able to understand the basics of measurement and be able to estimate and correctly measure assigned objects.
9	Average	<ul style="list-style-type: none"> - How do we find the average of something/data Word Problems	M6.1	Apply diverse methods for problem-solving.	<ul style="list-style-type: none"> - Students should be able to find explain how to find out the average of data given. -They should be able to understand how we solve problems and the processes involved.

Unit	Topic	Content	B.E. 2551 Standard	B.E. 2551 Grade Level indicator	Objectives
					-Students should be able to link various bodies of mathematical knowledge and linking mathematics with other disciplines; and attaining ability for creative thinking
Midterm Semester 2					
10	Percentage	<ul style="list-style-type: none"> - Per cent - Converting More fractions to percentages - Percentage of a quantity - Word problems 	M1.3	Write fractions in decimal form and percentages; write percentages in the forms of fractions and decimals, and write decimals in the forms of fractions and percentages.	-Students should be able to understand and interperate the diverse methods used to present numbers and their how we apply them to real life situations.
11	Angles	<ul style="list-style-type: none"> - Angles on a straight line - Angles at a point - Vertically Opposite Angles 	M3.2.1	Construct angles by using a protractor.	-Students should be able to correctly identify a pair of opposite angles. Students should be able to correctly construct angles using a protractor.
12	Properties of Triangles And 4 Sided Figures	<ul style="list-style-type: none"> - Angles Of A triangle - Right Angled ,Isoscles And Equilateral Triangles Parallelograms, Rhombuses And Trapeziums	M3.2.1	Construct angles by using a protractor.	-Students should be able to draw triangles and then measure the angles.

13	Geometrical Construction	- Drawing Triangles Drawing 4 sided Figures	M3.1.1	Identify characteristics and differentiate between various kinds of three-dimensional geometric figures.	-Students should be able to draw triangles . -Students should be able to differentiate between various kinds of three dimension geometric figures.
14	Volume of Cube And Cuboid	- Building Solids using Unit Cubes - Drawing Cubes And Cuboids - Understanding And Measuring Volume Volume Of A Cuboid And Of Liquid	M.2.1 M.2.5	Tell the relationship between measuring units for length, weight and volume or capacity. Find volume or capacity of cuboids	-Students should have an be able to describe the characteristics and properties of t different riangles, squares, circles, cuboids, cylinders, cones, prisms, pyramids angles and parallel lines.
Final Exam Semester 2					
Total Score for Semester 2					

Course syllabus

Subject : **Science**

Year : **5**

Semester: **2**

Unit	Topic	Content	B.E. 2551 Standard	B.E. 2551 Grade Level indicator	Objectives
15	Physical and chemical changes	<ul style="list-style-type: none"> • Physical changes • Chemical changes 	Standard Sc.3	Sc.3(Standard Sc3.2) - Experiment and explain the properties of substances when they dissolve and change their state.	<ul style="list-style-type: none"> - Students should be able to understand that some changes result in the formation of new materials. - Students should be able to state that chemical change takes place when new materials are formed. Students should be able to state that new materials are formed when physical changes take place.
17	Changes of state	<ul style="list-style-type: none"> • Changes that occur during a change of state • Changes of the state in water 	Standard Sc1.2 :	Standard Sc1.2 : Understanding of process and importance of genetic transmission; evolution of living things; biodiversity; application of biotechnology affecting humans and the environment; investigative process for seeking knowledge and scientific mind;	<ul style="list-style-type: none"> - Students should be able to state that some substances can change from one state to another when heated or cooled. - Students should be able to describe the

Unit	Topic	Content	B.E. 2551 Standard	B.E. 2551 Grade Level indicator	Objectives
					<ul style="list-style-type: none"> - changes that occur during 'changes of state'. - Students should be able to state that all substances have a distinct set of properties, eg. boiling point and melting point. - Students should be able to explain how the temperature of water changes until it reaches its boiling point.
20	Energy conversion	<ul style="list-style-type: none"> • How energy can change from one form to another • Energy conversion in the objects around us 	Standard Sc5.	Standard Sc5.1 -Experiment and explain motion of light from its sources. - Identify the different sources of energy. -Understanding the relationship between energy and life.	<ul style="list-style-type: none"> - Students should be able to state that energy can neither be created nor destroyed. - Students should be able to state that energy can change from

Unit	Topic	Content	B.E. 2551 Standard	B.E. 2551 Grade Level indicator	Objectives
					<ul style="list-style-type: none"> - one form to another. Students should be able to explain energy conversion for occurrences around us
21	Light and heat	<ul style="list-style-type: none"> <input type="checkbox"/> Refraction of light <input type="checkbox"/> Transfer of heat 	Standard Sc1.1:	Standard Sc1.1: Observe and specify	<ul style="list-style-type: none"> - Students should be able to explain the process of refraction. - Students should be able to give an explanation of how a lens works. - Students should be able to explain the process of dispersion of a white light through a prism. - Students should be able to explain how heat is transferred through conduction, convection and radiation and give examples.

Unit	Topic	Content	B.E. 2551 Standard	B.E. 2551 Grade Level indicator	Objectives
23	Sound	<ul style="list-style-type: none"> • How sound travels away from the source • Sound requires a medium to travel 	Strand: 5.1 (There's no specific strand for Sound energy).		<ul style="list-style-type: none"> - Students should be able to describe the process of how sound travels away from the source.
24	Soil	<ul style="list-style-type: none"> • The formation of soil • Soil erosion 	Standard Sc6.1	Standard Sc6.1: - Understanding of the changes in the earth's surface and explain the 'Rock cycle'.	<ul style="list-style-type: none"> - Students should be able to state that soil consists of weathered rocks and decomposed living things. - Students should be able to describe the process of soil formation as a result of weathering. - Students should be able to identify the natural causes of soil erosion and give examples. <p>Students should be able to give examples of how we can prevent soil erosion.</p>

Unit	Topic	Content	B.E. 2551 Standard	B.E. 2551 Grade Level indicator	Objectives
25	The Sky	<ul style="list-style-type: none"> • Tides • Seasons • The night sky • Eclipses 	Standard Sc7 :	Standard Sc7.1 : - Explain the formation of seasons and the use of pull force or the occurrence of gravitational force.	<ul style="list-style-type: none"> - Students should be able to state that the Moon's gravitational pull causes tides. - Students should be able to state the differences between the different seasons on Planet Earth. - Students should be able to state how stars and constellations are useful to people. <p>Students should be able to explain the process of a lunar and solar eclipse.</p>
26	Movement of planets in the Solar System	<ul style="list-style-type: none"> • Patterns of movement of the planets in the Solar system Relationship between gravitational pull and movement of planets in the Solar system 	Standard Sc7:	Standard Sc7.1: 1. Experiment and explain frictional forces and apply the knowledge gained for useful purposes. 2. Observe and explain formation of directions (north, south, east and west) and phenomena of the rising and falling of stars by using star chart.	<ul style="list-style-type: none"> - Students should be able to discuss the movements and patterns of the planets in the Solar System. <p>Students should be able to state that gravitational force determines the motion in the Solar system.</p>

6	Religions	<p>Religions in Thailand</p> <ul style="list-style-type: none"> • Buddhism • Islam • Christianity • Hinduism • Thai Buddhism <p>History of Buddha</p> <p>Buddhist Temples</p> <ul style="list-style-type: none"> • Importance • Ordination 	So1.1 Grade 5	<p>1. Analyse the importance of Buddhism or that of students' own religions as cultural heritage and a pivot for developing the Thai nation.</p> <p>2. Summarise the life of the Buddha from arrival at the town of Kapilavastu to his important deeds or the lives of the Masters of students' own religions as prescribed.</p> <p>3. Appreciate and conduct themselves in accord with the models of living and the insights from the lives of the disciples, the stories of the Buddha's previous lives, other tales and exemplary believers as prescribed.</p>	<p>-The students will be able to identify the major religions of Thailand.</p> <p>-The students will have an understanding of the life of Lord Buddha, and the impact he had on Thai culture.</p> <p>-Students will be able to identify the different parts of Buddhist temples, and understand the process of ordination in becoming a Buddhist monk.</p>
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Course syllabus

Subject : **Phonics**

Year : **5**

Semester: **2**

Unit	Topic	Content	B.E. 2551 Standard	B.E. 2551 Grade Level indicator	Objectives
1	Unit 2 Part F The two sounds of 'Ow' Split Vowels Unit 4 homophones	Compare 'snow' and 'down'. eg: 'area' pianist Words with the same sounds such as to two too. Students play with spelling trying to decide how the two or three spellings could be done phonetically. Students try to learn as many of the 37 examples as they are able.	F1.1 Grade 5	2. Accurately read aloud sentences, texts and short poems by observing the principles of reading. 1. Act in compliance with orders, requests and simple instructions heard and read.	- Students should be able to discriminate the key phonic sounds in the focus words by listening to the teacher's model. - Students should be able to attempt to spell or read less common words that they do not know, by listening to the teacher's model. - Students should be able to confidently articulate the sounds.
Midterm Exam Semester 2					
2	unit 5 syllabification	Students identify syllables in words and attempt to spell the syllables in words. The need for a vowel in each syllable is stressed.	F1.1 Grade 5	2. Accurately read aloud sentences, texts and short poems by observing the principles of reading. 1. Act in compliance with orders, requests and simple instructions heard and read.	- Students should be able to discriminate the key phonic sounds in the focus words by listening to the teacher's model.

Unit	Topic	Content	B.E. 2551 Standard	B.E. 2551 Grade Level indicator	Objectives
		Essential phonetic based spelling skills will be stressed over pronunciation of stressed syllables.			<ul style="list-style-type: none"> - Students should be able to attempt to spell or read less common words that they do not know, by listening to the teacher's model. - Students should be able to confidently articulate the sounds.
3	unit 6 affixes – prefix and suffix	Prefixes such as bi- and sub- Suffixes such as –ed and –tion Students know appropriate pronunciation and can focus on the suffix and spell it correctly	F1.1 Grade 5	2. Accurately read aloud sentences, texts and short poems by observing the principles of reading. 1. Act in compliance with orders, requests and simple instructions heard and read.	<ul style="list-style-type: none"> - Students should be able to discriminate the key phonic sounds in the focus words by listening to the teacher's model. - Students should be able to attempt to spell or read less common words that they do not know, by listening to the teacher's model. - Students should be able to confidently articulate the sounds and apply appropriate stress.

Course syllabus

Subject : **Health**

Year : **5**

Semester: **2**

Unit	Topic	Content	B.E. 2551 Standard	B.E. 2551 Grade Level indicator	Objectives
5	Healthy food	<ul style="list-style-type: none"> • Types of food • Food Pyramid • Food labels 	Standard H4	Standard H4.1: - Health strengthening, capacities and disease prevention.	<ol style="list-style-type: none"> 1. Students should be able to label and discuss parts of a 'Food pyramid' 2. Students should be able to search for information and data to help keep healthy.
6	Addictive drugs	<ul style="list-style-type: none"> • Harmful Substances • Smoking • Alcohol • Drugs • Inhalants 	Standard H5.1:	Standard H5.1: 'Food Additives'	<ol style="list-style-type: none"> 1. Students should be able to analyse the factors influencing the use of addictive substances. 2. Students should be able to analyse the effects on your body, mind and on others (in society) when using medicines and addictive substances.

Unit	Topic	Content	B.E. 2551 Standard	B.E. 2551 Grade Level indicator	Objectives
7	First Aid	<ul style="list-style-type: none"> • Coping with accidents • Poisoning • Electric shock • Broken bones 	Strand 5 Standard H5.1	Standard H5.1 'Safety in Life'	<ol style="list-style-type: none"> 1. Students should be able to give examples of ways they can be safe whilst playing sport.

Final Exam Semester 2

Course syllabus

Subject : Japanese

Year : 5

Semester: 2

Unit	Topic	Content	B.E. 2551 Standard	B.E. 2551 Grade Level indicator	Objectives
1	<u>Lesson4:</u> At school	<ul style="list-style-type: none"> • Days of the week • Months of the year • Dates • Basic verbs • Hiragana characters and words. • Exam revision 		-Question forms: nangatsu=What month? nannichi=What day? nanyoobi=What day of the week? -Basic verbs: ikimasu=go e ikimasu=go to de ikimasu=go by tabemasu= eat nomimasu=drink -Question forms: Nande ikimasuka?= How do you go? Doko e ikimasuka?= Where do you go?	-Students should be able to construct and uses questions about the current day, days of the week and month sof the year. -Students should be able to use basic verbs in simple sentences. -Students should be able to answer questions using basic verbs and prepositions. - Students should be able to read hiragana characters and words.
Midterm semester 2					
2	<u>Lesson5:</u> School life <u>Lesson6:</u> Time	<ul style="list-style-type: none"> • Basic verbs • Telling the time. • Hiragana characters and words. • Exam revision. 		mimasu= watch shimasu=do/play -Question forms: Nani wo shimasuka? =What do you do/play? -Numbers(1-60)	-Students should be able to ask and answer questions about daily life. -Students should be able to tell the time in Japanese.

Unit	Topic	Content	B.E. 2551 Standard	B.E. 2551 Grade Level indicator	Objectives
				-Clock time ji(o'clock) fun/pun(minutes) -Prepositions: de (at) kara(from) made(to) ni(on) -Ima nanji desuka? =What time is it now?	-Students should be able to ask and answer questions about time and use prepositions corectly. - Students should be able to read hiragana characters and words.
Final Exam Semester 2					

Course syllabus

Subject : **Chinese**

Year : **5**

Semester: **2**

Unit	Topic	Content	B.E. 2551 Standard	B.E. 2551 Grade Level indicator	Objectives
1	In class	<ul style="list-style-type: none"> - Words and pictures - Practicing Chinese dialogue - Practicing Chinese pronunciation - Let's sing a Chinese song! - Chinese vocabulary Writing Chinese characters 		<ol style="list-style-type: none"> 1. Teach the standard pronunciation and the meaning of the new words. 2. Read and translate the new sentences to students. 3. Use all the sentences to make a dialogue. 4. Teach the Chinese Characters stroke by stroke. 	<ol style="list-style-type: none"> 1. Students should be able to use the vocabulary and content learnt in the lesson within certain contexts. 2. Students can use Chinese to talk about the class.
2	What color is this?	<ul style="list-style-type: none"> - Words and pictures - Practicing Chinese dialogue - Practicing Chinese pronunciation - Let's sing a Chinese song! - Chinese vocabulary Writing Chinese characters 		<ol style="list-style-type: none"> 1. Teach the standard pronunciation and the meaning of the new words. 2. Read and translate the new sentences to students. 3. Use all the sentences to make a dialogue. 4. Teach the Chinese Characters stroke by stroke. 	<ol style="list-style-type: none"> 1. Students should be able to use the colour vocabulary and content learnt in the lesson within certain contexts. 2. Students can memorize all the necessary color.

Unit	Topic	Content	B.E. 2551 Standard	B.E. 2551 Grade Level indicator	Objectives
3	I like pink color.	<ul style="list-style-type: none"> - Words and pictures - Practicing Chinese dialogue - Practicing Chinese pronunciation - Let's sing a Chinese song! - Chinese vocabulary Writing Chinese characters 		<ol style="list-style-type: none"> 1. Teach the standard pronunciation and the meaning of the new words. 2. Read and translate the new sentences to students. 3. Use all the sentences to make a dialogue. 4. Teach the Chinese Characters stroke by stroke. 	<ol style="list-style-type: none"> 1. Students should be able to use the colour vocabulary and content learnt in the lesson within certain contexts. 2. Students can use Chinese to talk about the color they like.
4	Review	<ul style="list-style-type: none"> - Words and pictures - Practicing Chinese dialogue - Practicing Chinese pronunciation - Let's sing a Chinese song! - Chinese vocabulary Writing Chinese characters 		<ol style="list-style-type: none"> 1. Teach the standard pronunciation and the meaning of the new words. 2. Read and translate the new sentences to students. 3. Use all the sentences to make a dialogue. 4. Teach the Chinese Characters stroke by stroke. 	<ol style="list-style-type: none"> 1. Students can memorize the Chinese words related to the lessons they have learned. 2. Students can use Chinese to talk about the class and the color.
Final Exam Semester 2					