Course Syllabus Subject: English Year: 5 Semester 1/2017_18

Units	Topics	Contents	B.E. 2551 Standards	B.E. 2551 Grade Level indicators	Objectives
1	You can build it!	Building a house (Tools, materials, plans). - Working with words: subject, verb, object, adjectives and adverbs. - Present perfect: ever/never. -Present perfect: since/for. - Reading/writing a poem.	F1.3 Grade 5 1-3	 Speak/write to give data about themselves and matters around them. Draw pictures, plans and charts to show various data heard or read. Speak/write to express opinions about various matters around them. 	- Students should able to understand short stories / poems and identify if statements are true or false Students should be able to describe character's actions and habits Students should be able to ask and answer questions about making things Students should be able to use new grammar constructions.
2	It's ShowTime!	- Putting on a play Working with words: silent letters: gh and k Past Simple and present perfect: already, yet, before, just.	F1.1 Grade 5 1-3	 Act in compliance with orders, requests and simple instructions heard and read. Accurately read aloud sentences, texts and short poems by observing the principles of reading. Specify/draw the symbols or signs corresponding to the meanings of sentences and short texts heard or read. 	- Students should be able to understand a play script and order events in a play - Students should be able to predict the ending to a play, talk about stories and characters Students should be able to use tense markers correctly.
Units	Topics	Contents	B.E. 2551	B.E. 2551	Objectives

			Standards	Grade Level indicators	
3	The best party ever!	- Comparatives and superlatives Lost at the Carnival – reading, understanding Asking and answering questions about wearing costumes Beginnings and endings of a story – writing.	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.	- Student should be able to predict and listen for description, ask and answer costumes about wearing costumes Students should be able to use comparatives and superlatives.
	•	1	Midterm E	xam 1	
4	Our planet	- Past Simple - Past Continuous - An Eco Home – reading, understanding Asking and answering questions about the environment – listening, speaking Making writing more fluent.	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 understand an information text Students should be able to correct false sentences Students should be able to identify details of a lifestyle, ask and answer questions about the environment.
5	Reuse and recycle	- Present Continuous with future meaning - As good as new – reading, understanding Asking and answering questions about recycling – listening, speaking Making suggestions – writing.	F4.2 Grade 5 1	Use foreign languages to search for collect various data.	- Students should be able to understand a magazine article, identify true or false sentences Students can ask and answer questions about recycling and make suggestions.
Units	Topics	Contents	B.E. 2551	B.E. 2551	Objectives

			Standards	Grade Level indicators					
6	Crazy about wildlife	 Future plans, intentions, predictions - "going to". Gorilla Kingdom – reading, understanding. Asking and answering questions about animals – listening, speaking. Topic sentences and paragraphs – writing. 	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 read / write an article, to complete fact files Students should be able to ask / answer questions about animals.				
	Final Exam 1								
	Total Score for Semester 1								

Course Syllabus Subject : Mathematics Year : 5 Semester 1/2017_18

Units	Topics	Contents	B.E. 2551 Standards	B.E. 2551 Grade Level indicators	Objectives
1,2	Whole numbers {1,2}	Whole Numbers - Numbers to 10 millions - Place and value - Comparing numbers Within 10 millions -Rounding Off to the nearest - Using a calculator - Order of operations	Standard M1.1	Read and write numbers to 10 million. Write and read fractions, mixed numbers and decimals with not more than 2 places.	Students will be able to use differentiate between the diverse methods of presenting numbers and be able to apply them in real situations. Students will be able to solve measurement problems, and demonstrate abilities for problem solving, reasoning, and communication.
					They will be able to communicate and present mathematical concepts, linking various bodies of mathematical knowledge and linking mathematics with other disciplines.
					The students should be able to display a wide range of creative ways and approached to problem solving.

Units	Topics	Contents	B.E. 2551 Standards	B.E. 2551 Grade Level indicators	Objectives
3,4	Fractions{1,2}	-Dividing a fraction by whole numberProduct of a mixed number. Word problems -Fractions		Compare and arrange sequences of fractions and decimals with not more than 2 places. 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 will be able to use and differentiate between the diverse methods of presenting numbers and be able to apply them in real situations. Students will be able to solve measurement problems, and demonstrate abilities for problem solving, reasoning, and communication. They will be able to communicate and present mathematical concepts, linking various bodies of mathematical knowledge and linking mathematics with other disciplines. The students should be able to display a wide range of creative ways and approached to problem solving.
			Midterm E	xam 1	

Units	Topics	Contents	B.E. 2551 Standards	B.E. 2551 Grade Level indicators	Objectives
6	Ratio	- Finding ratio - Word problems	Standards Standard M2.2: Standard M6.1:	Suitably provide reasoning for decision-making and appropriately present the conclusions reached	Students will be able to use and differentiate between the diverse methods of presenting numbers and be able to apply them in real situations. Students will be able to solve measurement problems, and demonstrate abilities for problem solving, reasoning, and communication. They will be able to communicate and present mathematical concepts, linking various bodies of mathematical knowledge and linking mathematics with other disciplines.
					The students should be able to display a wide range of creative ways and approached to problem solving.

Course Syllabus Subject : Science Year : 5 Semester 1/2017

Units	Topics	Contents	B.E. 2551 Standards	B.E. 2551 Grade Level indicators	Objectives
1	The Respiratory system	 Our respiratory system Breathe in, breathe out Common illnesses related to our respiratory system Keeping our respiratory system healthy Animal respiratory system 	Strand 1. Standard Sc1.2	Standard Sc1.2 1. Explore, compare and specify their own characteristics and those of their family members. 2. Explain genetic transmission of each generation of living things. Be able to classify some useful body system and organs.	Students should be able to identify the main parts of the respiratory system and their functions. explain the mechanism of breathing. recognise and recall common ailments related to the respiratory system. describe ways to keep our respiratory system healthy. explain how breathing and movement are interrelated. recognise and recall the respiratory system in some animals.

Units	Topics	Contents	B.E. 2551 Standards	B.E. 2551 Grade Level indicators	Objectives
2	The Circulatory system	 Parts of the circulatory system and their functions Journey of blood in our body Pulse Illnesses related to our circulatory system Keeping our circulatory system healthy Relationship between the digestive, circulatory and respiratory systems 	Standard H1.1 (Science Strand refers to Health Strand)	Sc.1 (Standard H1.1) - Explain importance of digestive, respiratory and excretory systems on health, growth and development Explain methods of taking care of digestive and excretory systems for functioning.	 Students should be able to identify the main parts of the circulatory system and their functions. describe the path of blood from the heart to all parts of the body and from all parts of the body to the heart. experiment on and explain the effects of exercise and rest on the pulse rate. recognise and recall diseases related to the circulatory system and abnormalities in the organs of the circulatory system. recognise and explain ways we can care for our circulatory system. explain the function of the circulatory system and its relationship to the digestive and respiratory systems.

Units	Topics	Contents	B.E. 2551 Standards	B.E. 2551 Grade Level indicators	Objectives
3	Diseases and injuries	 Communicable diseases Diseases caused by animals Consulting a doctor First aid measure 	(Science Strandard) Refers to Standard H4.1:	Standard H4.1: - Observe requirements for self-protection from diseases frequently found in daily life.	Students should be able to identify diseases that are communicative. recognise and recall diseases that are caused by animals. practise safety measures to prevent the spread of diseases caused by animals. recognise and explain the need to consult health/medical personnel at least once a year and whenever necessary. demonstrate first aid measures for insect and animal bites. demonstrate first aid measures for bone and muscle injuries.
4	Cells and their functions	 Different kinds of cells and their functions Cells need energy 	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;	Students should be able to - understand that each kind of cell in our body has a distinct function and provide examples. - explain why a cell needs energy to carry out its function.

Units	Topics	Contents	B.E. 2551	B.E. 2551	Objectives
	ertebrates	 Types of invertebrates Insects, spiders, millipedes and crustaceans Starfish, sea urchins and sea cucumbers Jellyfish, corals and sea anemones Sponges Snails, slugs, clams and mussels Worms Comparing invertebrates 	Standards Standard Sc1.2:	Standard Sc1.2: -Categorise animals into groups by using external characteristics and some internal characteristics as criteria.	Students should be able to - describe the observable characteristics of each group of invertebrates.
6 Pho	otosynthesis	 Requirements for photosynthesis Process of photosynthesis Storage of starch 	Standard Sc1.1	Standard Sc1.1	Students should be able to describe "Photosynthesis", the process by which plants make their own food. investigate the requirements for photosynthesis to take place. Recount in detail the process of photosynthesis.

Units	Topics	Contents	B.E. 2551	B.E. 2551	Objectives
	_		Standards	Grade Level indicators	•
7	Reproduction	 Reproduction How human life begins Fertilised egg 	Standard Sc1.1	Standard Sc1.1 -Explain animal reproduction and propagation Explain life cycles of some kinds of animals and apply acquired knowledge for useful purposes.	Students should be able to - differentiate between sexual and asexual reproduction. - recognise that some living things reproduce sexually. - explain the process of fertilisation during sexual reproduction in humans. - understand how most living things develop from a fertilized egg and give examples.
8	Reproduction in flowering plants	 Parts of a flower Pollination Fertilisation From flower to fruit Dispersal of fruits and seeds Germination 	Standard Sc1.1:	Standard Sc1.1: Observe and specify components of flowers and structures involved in reproduction of angiosperms. 2. Explain reproduction of flowers, plants, plant propagation, and apply acquired knowledge for useful purposes.	Students should be able to identify the parts of the flower and their role in the processes involved in sexual reproduction of flowering plants. identify how seeds are dispersed based on their structure. investigate factors that are needed for seed germination. explain the growth of flowering plants from seedling stage to flowering and fruiting stage. Identify factors essential for the growth of plants.

Units	Topics	Contents	B.E. 2551 Standards	B.E. 2551 Grade Level indicators	Objectives
9	Ecosystem	 Ecosystem Making a model of an ecosystem Factors that affects the organisms in an ecosystem 	Standard Sc2.1:	Standard Sc2.1: 1 Explore various eco-systems in the local area and explain relationships of the components within the eco-systems.	Students should be able to identify the biotic and abiotic components of the ecosystem. design a model of an ecosystem. recognise and recall that the number of living things an ecosystem can support depends on the resources available and abiotic factors.

Units	Topics	Contents	B.E. 2551 Standards	B.E. 2551 Grade Level indicators	Objectives
10	Adaptations of living things to the environment	 Living things and their habitats Adaptations of living things Extinct and endangered living things. 	Standard Sc2.2:	Standard Sc2.2:	Students should be able to
					 explain what happens to animals and plants when the environment changes. Identify animals and plants that are near extinction or endangered.

Units	Topics	Contents	B.E. 2551 Standards	B.E. 2551 Grade Level indicators	Objectives
11	Pollution	Air pollutionWater pollutionSoil pollution	Standard Sc2.1:	Standard Sc2.1: (None)	Students should be able to Explain how pollution is a change in the environment. describe the effects of pollution.
12	Human Population	 Human population Population density 	Standard Sc1.2:	Standard Sc1.2: - Explore, compare and specify their own characteristics and those of their family members. -Explain genetic transmission of each generation of living things.	Students should be able to - explain why the size of a human population can increase or decrease due to some factors. - explain the concept of population density.

Units	Topics	Contents	B.E. 2551 Standards	B.E. 2551 Grade Level indicators	Objectives
13	Weather	 Types of the clouds Fog Dew Hail Wind 	Standard Sc4.2:	Standard Sc4.2: 1. Experiment and explain frictional forces and apply the knowledge gained for useful purposes.	Students should be able to identify the different types of clouds. describe how fog, dew, hail and wind are formed. explain the occurrence of wind due to the unequal heating of the Earth's surface. explain why land absorbs and releases heat faster than water. explain the effects of wind on living thngs and the environment.
			Final Exc	ım 1	

Total Score for Semester 1

Course Syllabus

Subject: Social Studies **Year:** 5 **Semester:** 1 2017_18

Units	Topics	Contents	B.E. 2551 Standard	B.E. 2551 Grade Level Indicator	Objectives
1	Family Life	 The Family The role of parents The role of children How to be a good member of society 	So1.2 Grade 5	1. Cite examples and conduct themselves in accord with the status, roles rights, freedoms and duties of good citizens.	- Students should be able to demonstrate what it means to be a good member of the family by taking responsibility for their actions, having good self-discipline, understanding their roles as children in Thai society.
2	Society	 Characteristics of a community Duties of people in the community Community Development 	So1.2 Grade 5	 Cite examples and conduct themselves in accord with the status, roles rights, freedoms and duties of good citizens. Appreciate the values of Thai culture that affect the way of life in Thai society. 	 Students should be able to identify a rural or urban community setting. Students should also be able to recognize the different characteristics of each community, including:

				- Population - Education - Occupation - Culture - Environment - Facilities Students should underdstand the importance of obeying Thai laws, honoring cultural traditions, paying taxes and the ongoing development of their
				communities.
Environ- ment	 Soil Soil Conservation Water Causes of Water Pollution Effects of Water Pollution Water Conservation Water Treatment Forests 	So5.1 Grade 6	2. Analyse influence of geographical conditions causing physical problems or natural disasters in Thailand and other regions of the world.	 Students should understand how to interpret their environment. Students should be able to identify the main parts of the natural environment(s), and demonstrate their knowledge of each topic

		 Types of Forests Effects of Deforestation Greenhouse Effect Forest Conservation 		Same action 2	through activity-based lessons in addition to bookwork.
				Semester 2	I a
4	Thailand's Neighbors	Laos Cambodia Malaysia	So5.1 Grade 5	 Use geographical instruments (various kinds of maps, photographs) for specifying important physical and social characteristics of the country. Explain relationships between physical characteristics and natural phenomena of the country. 	-Students should be able to identify the settings of Thailand's closest neighbors. -They should be able to recognize the different characteristics of each country, including: - Basic demographics - Geography - Culture - History - Students should be able
					 Students should be ab to demonstrate their knowledge about

Course Syllabus Subject: Health Year: 5 Semester: 1/2017_18

Units	Topics	Contents	B.E. 2551 Standards	B.E. 2551 Grade Level indicators	Objectives
1	Growth and Development	 Puberty The signs of Puberty 	Standard H1.1:	Standard H1.1: Understanding the nature of growth and development	 Students will be able to explain the important stages of growth and development of human beings. Students will be able to give examples of the stages of puberty.
2	Internal Organs	LiverKidneysBones and Muscles	Standard H1.1:	Standard H1.1: (No specific indicator for internal organs)	 Students will be able to identify and label important internal organs. Students will be able to

3	Care for Sexual Organs	 Changes during Puberty Male sexual organs Female sexual organs Menstruation Personal Hygiene 	Standard H1.1:	Standard H1.1: (No specific indicator for the care of sexual organs)	give specific functions and explain the importance of each learnt internal organ. - Students will be able to give examples of some changes that may occur in our bodies during the puberty stage Students will be able to give examples of how we might see changes in both the male and female sexual reproductive parts during puberty Students will be able to give examples of good personal hygiene.
Units			D.E. 0551	D.E. OEE1	, ,
units	Topics	Contents	B.E. 2551 Standards	B.E. 2551 Grade Level indicators	Objectives

				examples of the skills and characteristics needed to do these activities.
Final Exam 1				
Total Score for Semester 1				

Course Syllabus Subject: Phonics Year: 5 Semester: 1/2017_18

Units	Topics	Contents	B.E. 2551 Standards	B.E. 2551 Grade Level indicators	Objectives
1	Introduction,	Names. Why does English have so many	F1.1 Grade 5	Accurately read aloud sentences, texts and short poems by	- Students should be able to discriminate the key phonic sounds (phonemes) in the
	The two sounds of s (s and z) sound v The two sounds of g (g and j) sound r and r blends pr, fr, dr, tr, br, cr, gr Sound j dg dge	sounds? 1A. e.g. octopus claws 1B. e.g. valentine 1C. e.g. dog cage 1D.		observing the principles of reading. 1. Act in compliance with orders, requests and simple instructions heard and read.	focus words by listening to the teacher's model Students should be able to place high frequency vocabulary in lists based on their phonic sounds Students should be able to spell or read less common words that they do not

Sound ch chair,	1E. e.g. Japanese edge	know, by listening to the teacher's model.
Sound sh	1F. e.g. crunchy, beach	- Students should be able to confidently articulate the
	1G. shop,	sounds.
Unvoiced th	seashell, blush	
	station auction	
	1H. e.g thick	
	author north	

Units	Topics	Contents	B.E. 2551 Standards	B.E. 2551 Grade Level indicators	Objectives	
2	vowel sounds – a,e,i,o,u magic e -ake, -ale, -ame, -ate 300 instant sight words Long e ee ea long i - ie, igh, i-e two sounds ea two sounds ow two sounds of y split vowels i/a e/a i/o	2A. 2B. e.g. cake pale came late Fry's 300 instant sight words list 2C. e.g. sheep jeans 2D. e.g. pie high hive 2E. e.g. long - bread short - clean 2F. e.g. long - row short -yellow 2G. e.g. i - puppy ai - sly 2(H) e.g.pi-anist Kor-e-a i-di-ot	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 place high frequency vocabulary in lists based on their phonic sounds 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 Ex	am 1		
3	compound words	Stress the first word in compound words e.g. <u>break</u> fast <u>bath</u> room	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 attempt spelling or reading 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.	
Total Score for Semester 1						

Course Syllabus Subject : Mandarin Chinese Year : 5 Semester : 1/2017_18

Units	Topics	Contents	B.E. 2551 Standards	B.E. 2551 Grade Level indicators	Objectives
1	Chinese School	 Words and pictures Practicing Chinese dialogue Practicing Chinese pronunciation Let's sing a Chinese song! Chinese vocabulary Writing Chinese characters 		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.	 Students can use the Chinese school vocabulary in good sentences and in any given dialogue. Students can correctly pronunce the school vocabulary learnt. Students can spell and write the vocabulary learnt using Chinese characters.
2	Classroom Language	 Words and pictures Practicing Chinese dialogue Practicing Chinese pronunciation Let's sing a Chinese song! Chinese vocabulary Writing Chinese characters 		 Teach the standard pronunciation and the meaning of the new words. Read and translate the new sentences to students. Use all the sentences to make a dialogue. Teach the Chinese Characters stroke by stroke. 	 Students can use the Chinese classroom vocabulary in good sentences and in any given dialogue. Students can correctly pronunce the classroom vocabulary learnt. Students can spell and write the vocabulary learnt using Chinese characters.

Units	Topics	Contents	B.E. 2551 Standards	B.E. 2551 Grade Level indicators	Objectives	
3	'Da Long was late.'	 Words and pictures Practicing Chinese dialogue Practicing Chinese pronunciation Let's sing a Chinese song! Chinese vocabulary Writing Chinese characters 		 Teach the standard pronunciation and the meaning of the new words. Read and translate the new sentences to students. Use all the sentences to make a dialogue. Teach the Chinese Characters stroke by stroke. 	 Students can use the Chinese classroom vocabulary in good sentences and in any given dialogue. Students can correctly pronunce the classroom vocabulary learnt. Students can spell and write the vocabulary learnt using Chinese characters. 	
4	Class	 Words and pictures Practicing Chinese dialogue Practicing Chinese pronunciation Let's sing a Chinese song! Chinese vocabulary Writing Chinese characters 		 Teach the standard pronunciation and the meaning of the new words. Read and translate the new sentences to students. Use all the sentences to make a dialogue. Teach the Chinese Characters stroke by stroke. 	 Students can use the Chinese class vocabulary in good sentences and in any given dialogue. Students can correctly pronunce the class vocabulary learnt. Students can spell and write the vocabulary learnt using Chinese characters. 	
	Final Exam 1					

Total Score for Semester 1

Course Syllabus Subject: Japanese Year: 5 Semester: 1/2017_18

Units	Topics	Contents	B.E. 2551 Standards	B.E. 2551 Grade Level indicators	Objectives Assessment Scores	
1	Lesson4: At school	-Foods -Adjectives -Pronouns: この this one, そのthat one, あのthat one over there -Introduction to Japanese culture: Introduce Japanese traditional toys and itemsLikes and dislikes -Hiragana sounds and words.		-Using adjectives to describe things and food. -Making simple sentences with a good use of pronouns and adjectives. -Answering and asking questions about likes and dislikes regarding food, animals and sports. -Reading and writing hiragana 46 letters and simple words.	-Students will be able to speak in simple sentences using adjectives. -Students will be able to identify the relationship between language and the culture of Thailand. -Students will be able to read and speak in short sentences to convey information about food. - Through games and activities students will be able to identify hiaragana letters and words.	
Midterm Exam 1						

Units	Topics	Contents	B.E. 2551	B.E. 2551	Objectives
Units 2	Lesson5: School life	Contents -Counts numbers 21-50 -Month of the year -The day -The day of the week; Introduce kanji (Chinese characters) for days of the week.	Standards	Grade Level indicators -Forming questions about the date. -Asking and answering about the day, month of the year and the day of the week. -Asking and giving	-Students will be able to talk about the date and give some information about it. -Students will be able to read and correctly pronounce the date in Japaneses -Students will be able to
		-Relative time words; きょうtoday, あ したtomorrow		information about; •birthday •holidays •timetable •special days	recognize <i>kanji</i> for days of the week. - Through games and activities students will be able to identify hiaragana letters and words.
		-Hiragana letters and words.		-Writing simple hiragana words.	
		Revision: Lesson4- Lesson5	Final Ex	am 1	

Final Exam 1

Total Score for Semester 1