



MA21101 Foundation Mathematics 1

Teacher	Mrs. Suphak Keereepart
Contact	EP Teacher Room, 1 st Floor Colombet Bldg. skeereepart@gmail.com
Class Time	EP-M1/1: Mon, period 3, Tues, period 4; Wed, period 5 EP-M1/2: Mon, period 1; Tues, period 4; Wed, period 2
Credits	1.5

Course Description

Numbers systems and geometry form the basis of Foundation Mathematics 1. These content areas are presented from three perspectives;

1. To build upon our student's current knowledge and skills in these areas.
2. To create awareness of the key concepts that underlie these mathematical areas.
3. To highlight connections to the scientific and technological uses of mathematics.

In order to establish an environment favorable for learning, our students will be asked to work collaboratively, sharing their ideas and assisting each other. Communicating mathematical ideas through reading, writing and speaking English will be a key component of each lesson. The creation of this environment at the start of the course will help to bring the students lasting success both in future mathematics courses and across other curricula areas.

Textbook

Mastering Mathematics 1A, Aksorn Charoen Taet 2020
ISBN- 8858649136657 & ISBN- 8858649136664

New Mathematics Counts, 2nd Edition, Singapore 2007
ISBN- 978-981-01-6418-8

Course Outline & Objectives

Rational numbers (*Indicator MA 1.1, S.1/1*)

- ✓ Factors of cardinal numbers
- ✓ Prime numbers of cardinal numbers
- ✓ Cardinal number factorization
- ✓ Find the GCD of cardinal numbers
- ✓ Find the LCM of the cardinal numbers
- ✓ Positive numbers and negative numbers and zero
- ✓ Comparing integers
- ✓ Adding integers
- ✓ Subtracting integers
- ✓ Multiplying integers



- ✓ Dividing integers
- ✓ Properties of integers and applications

Real numbers (*Indicator MA 1.1, S.1/1*)

- ✓ Real numbers
- ✓ Rational and irrational numbers
- ✓ A square root and a cube root of rational number
- ✓ Applying knowledge learned about real numbers

Powers (*Indicator MA 1.1, S.1/1*)

- ✓ Definition of powers
- ✓ Writing very large numbers in scientific notation
- ✓ Writing very small numbers in scientific notation
- ✓ Multiplying powers that have the same base and have integer exponents
- ✓ Dividing powers that have the integer exponents

End of Midterm Exam Content – Start of Final Exam Content
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Statistics (*Indicator MA 3.1 S.1/1*)

- ✓ Definition of data
- ✓ Presenting data and interpreting data
- ✓ Application

The basics of geometry and relationship between two-dimensional and three-dimensional geometric shapes (*Indicator MA 2.2 S.1/2*)

- ✓ Constructing geometric shapes by using compass and straightedge.
- ✓ Constructing simple geometric shapes by using the basics of construction.
- ✓ Exploring properties of geometric figures
- ✓ Image of two dimensional geometric figure formed when the three-dimensional geometric figure is unfolded.
- ✓ Two dimensional image visualized from front view, side view and top view of the three-dimensional geometric figure.
- ✓ Drawing or creating geometric figures from cubes

Academic Integrity Policy

Students are expected to adhere to the Assumption College student handbook. There is to be no plagiarism, no copying, and no cheating of any kind. These and any other acts of academic dishonesty lower the quality of the education and will not be tolerated. Students involved in



any form of academic dishonesty, including any student supplying or allowing the copying to take place, will receive a zero.

Plagiarism is the act of taking someone else's work or ideas and passing them off as one's own work or ideas. Examples of plagiarism include the failure to give appropriate acknowledgement when repeating another's idea, phrase, sentence or paragraph, or failure to give appropriate acknowledgement when paraphrasing any of those.

Behavioral Expectations

Students are expected to respect themselves, their classmates, the teacher, and the facilities. Students must accept responsibility for themselves and their actions. Students must speak English in class. Students are expected to be ready at the start of every class (notebooks, textbook, scientific calculator, writing utensils, etc.) and to actively participate throughout the lesson until class is dismissed.

Behaviour is monitored every class. At the end of the semester the points are accumulated and used for the student's behaviour score (10%).

Furthermore, all Thai students are expected to embrace the following *desired characteristics*:

- Love for the country and the King, faith in religion
- Possess discipline
- Be self-sufficient
- Be honest and upright
- Proud to be Thai
- Have a sense of public consciousness
- Eager to learn
- Dedicated to work
- Be an AC gentleman

Attendance & Tardiness

Attendance will be taken at the start of every class. Students are expected to be in class on-time, every time. Unexcused absences or tardiness will not be tolerated. In the case of planned absences, please notify the teacher as far in advance as possible. Students are expected to catch up on all missed work outside of class time.

Homework & Classwork

An assessment item must be submitted on or before the due date. **An assessment item submitted later than the due date, without an extension from the teacher, will not be graded and will result in an automatic score of zero.** Late homework, however, may be completed and submitted to qualify towards eligibility for exams. At the end of the semester, if the students have not completed a sufficient number of homework assignments to pass this aspect of the course, additional work will be set for them.



Grading

This course adheres to the Assumption College grading scale:

$Final\ Score \geq 80\%$	4.0
$75\% \leq Final\ Score < 80\%$	3.5
$70\% \leq Final\ Score < 75\%$	3.0
$65\% \leq Final\ Score < 70\%$	2.5
$60\% \leq Final\ Score < 65\%$	2.0
$55\% \leq Final\ Score < 60\%$	1.5
$50\% \leq Final\ Score < 55\%$	1.0
$Final\ Score < 50\%$	0.0

Evaluation and Assessment

The final semester grade for this course out of 100% is broken down as follows:

Online	20%
Projects	10%
Homework/Classwork	20%
Behaviour	10% (program mandated)
Midterm Exam	20% (program mandated)
Final Exam	20% (program mandated)

Recommendations for Success

Mathematics can be difficult for many students. All students are encouraged to do the following:

1. Read the course textbook. You may need to read the material multiple times to understand. By reading along at home with the lessons taught at school (typically only a few pages per night), students will be able to responsibly manage the material and gain the most from the course.
2. Complete all forms of assessment and submit all homework and assignments.
3. Search online, in either Thai or English, if you don't understand a topic discussed in class or simply to get a better understanding of the topic.
4. Do not copy the work of your classmates; try to struggle through on your own. This will help you learn.
5. Come see the teacher outside of class time for assistance.
6. Do more than just the bare minimum; do the additional problems in the textbook and the review questions at the end of the chapter and check your answers.
7. Study the notes and vocabulary at least a few minutes every day.



MA20201 Universal Mathematics 1

Teacher	Mr. Robert John Sylvester III
Contact	EP Teacher Room, 2 nd Floor Colombet Bldg. epac.robertsylvester@gmail.com
Class Time	EP-M1/1: Tues, period 6; Thurs, period 2 EP-M1/2: Tues, period 2; Wed, period 3
Credits	1.0

Course Description

This universal mathematics course focuses on the topics of factors and multiples, fractions, decimals and percentages. The course enables students to use mathematical skills and processes which are problem-solving, reasoning, communications, mathematical implication and presentation, mathematical connections, and creative thinking along with having systematic work, disciplines, responsibilities, caution, self-confidence, and positive attitude toward mathematics.

Textbook

Secondary Mathematics 1A, Aksorn Charoen Taet 2020
ISBN- 8858649136657

Course Outline & Objectives

Factors and Multiples

- Prime Numbers
- Prime Factorization
- Highest Common Factor
- Lowest Common Multiple

Fractions

- Improper and Mixed
- Multiplying and Dividing

End of Midterm Exam Content – Start of Final Exam Content

Decimals and Percentages

- Converting Decimals to Percentages
- Converting Percentages to Decimals
- Calculations with Decimals and Percentages

Academic Integrity Policy



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Behavioral Expectations

Students are expected to respect themselves, their classmates, the teacher, and the facilities. Students must accept responsibility for themselves and their actions. Students must speak English in class. Students are expected to be ready at the start of every class (notebooks, textbook, scientific calculator, writing utensils, etc.) and to actively participate throughout the lesson until class is dismissed.

Behaviour is monitored every class. At the end of the semester the points are accumulated and used for the student's behaviour score (10%).

Furthermore, all Thai students are expected to embrace the following *desired characteristics*:

- Love for the country and the King, faith in religion
- Possess discipline
- Be self-sufficient
- Be honest and upright
- Proud to be Thai
- Have a sense of public consciousness
- Eager to learn
- Dedicated to work
- Be an AC gentleman

Attendance & Tardiness

Attendance will be taken at the start of every class. Students are expected to be in class on-time, every time. Unexcused absences or tardiness will not be tolerated. In the case of planned absences, please notify the teacher as far in advance as possible. Students are expected to catch up on all missed work outside of class time.

Homework & Classwork

An assessment item must be submitted on or before the due date. **An assessment item submitted later than the due date, without an extension from the teacher, will not be graded and will result in an automatic score of zero.** Late homework, however, may be completed and submitted to qualify towards eligibility for exams. At the end of the semester, if the students have not completed a sufficient number of homework assignments to pass this aspect of the course, additional work will be set for them.



Grading

This course adheres to the Assumption College grading scale:

$Final\ Score \geq 80\%$	4.0
$75\% \leq Final\ Score < 80\%$	3.5
$70\% \leq Final\ Score < 75\%$	3.0
$65\% \leq Final\ Score < 70\%$	2.5
$60\% \leq Final\ Score < 65\%$	2.0
$55\% \leq Final\ Score < 60\%$	1.5
$50\% \leq Final\ Score < 55\%$	1.0
$Final\ Score < 50\%$	0.0

Evaluation and Assessment

The final semester grade for this course out of 100% is broken down as follows:

Online	20%
Projects	10%
Homework/Classwork	20%
Behaviour	10% (program mandated)
Midterm Exam	20% (program mandated)
Final Exam	20% (program mandated)

Recommendations for Success

Mathematics can be difficult for many students. All students are encouraged to do the following:

1. Read the course textbook. You may need to read the material multiple times to understand. By reading along at home with the lessons taught at school (typically only a few pages per night), students will be able to responsibly manage the material and gain the most from the course.
2. Complete all forms of assessment and submit all homework and assignments.
3. Search online, in either Thai or English, if you don't understand a topic discussed in class or simply to get a better understanding of the topic.
4. Do not copy the work of your classmates; try to struggle through on your own. This will help you learn.
5. Come see the teacher outside of class time for assistance.
6. Do more than just the bare minimum; do the additional problems in the textbook and the review questions at the end of the chapter and check your answers.
7. Study the notes and vocabulary at least a few minutes every day.



Teacher Mr. Robert John Sylvester III

Class Time EP-M1/1: Wed, Period 1
EP-M1/2: Fri, Period 3

Credits 0.5

MA20221 Supplemental Mathematics 1

Course Description

Thailand's Basic Education Core Curriculum B.E. 2551 (A.D. 2008) prescribes the mathematical understanding and skills for grades 8 to 12. The following table shows how MA20221 is related to the Ministry of Education's standards. The topics explored by each MA20221 unit are highlighted in **bold type**.

Textbook

Mastering Mathematics: Secondary 1A and Secondary 1B (2 books)

Teacher will also supply additional hand outs and online learning material (Khan, Kahoot, YouTube videos, etc)

Unit	Topic	Book Chapter
1	Algebraic Operations (<i>learning outcomes 5 - 12</i>) 1. Algebraic notation 2. The language of mathematics 3. Changing words to symbols 4. Generalizing arithmetic 5. Algebraic substitution 6. Collecting like terms 7. Product and quotient 8. simplification	Additional handouts/sheets
2	Algebraic Expansion and Solving equations (<i>learning outcomes 5 - 12</i>) 1. The distributive law 2. The expansion of $(a + b)(c + d)$ 3. The expansion rules 4. Expansion of radical expressions 5. The solution of an equation 6. Maintaining balance	Book 1A chapter 4



	7. Isolating the unknown 8. Formal solution of linear equations 9. Equations with repeated unknowns 10. Fractional equations 11. Unknown in the denominator	
3	Types of numbers <i>(learning outcomes 1-4)</i> 1. Roman numerals 2. Numbers in base	Additional handouts/sheets

Basic Resources

Pen, pencil, ruler, eraser, calculator.

White notebook, A4 plastic portfolio (to keep all student work and handouts)

Behavioral Expectations

Students are expected to respect themselves, their classmates, the teacher, and the facilities. Students must accept responsibility for themselves and their actions. Students must speak English in class. Students are expected to be ready at the start of every class (notebooks, textbook, scientific calculator, writing utensils, etc.) and to actively participate throughout the lesson until class is dismissed.

Behaviour is monitored every class. At the end of each semester, the points are accumulated and used for the student's behaviour score (10%).

Homework & Classwork

An assessment item must be submitted on or before the due date. **An assessment item submitted later than the due date, without an extension from the teacher, will be subject to a penalty (deduction of marks).** Late homework, however, may be completed and submitted to qualify towards eligibility for exams. At the end of the semester, if the students have not completed a sufficient number of homework assignments to pass this aspect of the course, additional work will be set for them.

Grading

This course adheres to the Assumption College grading scale:

$Final\ Score \geq 80\%$	4.0
$75\% \leq Final\ Score < 80\%$	3.5
$70\% \leq Final\ Score < 75\%$	3.0
$65\% \leq Final\ Score < 70\%$	2.5
$60\% \leq Final\ Score < 65\%$	2.0
$55\% \leq Final\ Score < 60\%$	1.5
$50\% \leq Final\ Score < 55\%$	1.0
$Final\ Score < 50\%$	0.0

Evaluation and Assessment

The final semester grade for this course out of 100% is broken down as follows:



Assignments	25%
Tests	25%
Behaviour	10% (program mandated)
Midterm Exam	20% (program mandated)
Final Exam	20% (program mandated)

Recommendations for Success

Mathematics can be difficult for many students. All students are encouraged to do the following:

1. Read the course textbook. You may need to read the material multiple times to understand. By reading along at home with the lessons taught at school (typically only a few pages per night), students will be able to responsibly manage the material and gain the most from the course.
2. Complete all forms of assessment and submit all homework and assignments.
3. Search online, in either Thai or English, if you don't understand a topic discussed in class or simply to get a better understanding of the topic.
4. Do not copy the work of your classmates work; try to struggle through on your own. This will help you learn.
5. Come see the teacher outside of class time for assistance.
6. Do more than just the bare minimum; do the additional problems in the textbook and the review questions at the end of the chapter and check your answers.
7. Study the notes and vocabulary at least a few minutes every day.



Foundation Health Studies 1 (M1)

Teacher	Mr. Brian Mallon
Contact	EP Staff Office, Level 2 bmal1332@gmail.com
Credits	0.5

HP21101

Course Description

Students will study the importance of healthy eating, the nervous system and endocrine system affecting health, growth, and development of adolescence, methods for taking care of nervous system and endocrine to function normally, analysis of growth status with the benchmarks and related factors, methods for developing one's self to grow up with maturity, physical, mental, emotional, and sexual development changes, characteristics of physical, mental, emotional, and sexual development changes, self-acceptance and self-adjustment to the physical, emotional, and sexual development changes, and sexual deviation. Use the process of establishing knowledge and understanding, practical skills, problem-solving skills, decision-making skills, value to create knowledge, understanding, and apply the knowledge to real-life situations with honesty and studiousness.

Textbook

Health & Physical Education Book 1 - *Think Big Plus*

Course Outline & Units

Unit 1: Human Growth and Development

- 1.1 - Nervous system and endocrine system affecting adolescence
- 1.2 - Growth status of adolescence
- 1.3 - Adolescents' growth standard criteria
- 1.4 - Growing with maturity
- 1.5 - Methods for growth analysis

Unit 2: Life and Family

- 2.1 - Health changes in Adolescence
 - 2.1.1 Physical changes
 - 2.1.2 Mental and emotional changes
 - 2.1.3 Change of sexual development in adolescence
 - 2.1.4 Sexual deviation
- 2.2 - Safety from harassment
 - 2.2.1 Definition and types of harassment
 - 2.2.2 Causes of harassment



- 2.2.3 Effects of harassment
- 2.2.4 Preventions and avoidance from harassment
- 2.2.5 Refusal skills to prevent harassment

Course Strands, Standards, and Indicators

Strand 1: Human Growth and Development

Standard H1.1: Understanding of nature of human growth and development

Indicators:

1. Explain the importance of the nervous system and endocrine system on health, growth, and development of adolescence.
2. Explain methods for taking care of the nervous system and endocrine system for normal functioning.
3. Analyze conditions of their own physical growth with standard criteria.
4. Search for guidelines for self-development to self-development to attain growth in accord with their ages.

Strand 2: Life and Family

Standard H2.1: Understanding and self-appreciation; family; sex education; and life skills.

Indicators:

5. Explain appropriate methods for self-adjustment to physical, mental and emotional changes and sexual development.
6. Show skills in refusing for self-protection from sexual harassment.

Resources

- Required • Health Book

Academic Integrity Policy

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Behavioral Expectations

For the sake of all the members of the class, students are expected to respect themselves, their classmates, the teacher, and the facilities. Students must accept responsibility for themselves and their actions. Students are expected to be ready at the start of every class and to actively participate throughout the lesson until class is dismissed.

All students are given a full score for behavior (10 points) which must be maintained throughout the course of the subject. Any student whose behavior score slips below 5 points over the course of time will be referred to the discipline master.



All Thai students are expected to embrace the following *desired characteristics*:

- Possess discipline
- Eager to learn
- Be an AC gentleman
- Dedicated to work

Attendance & Tardiness

For online classes, attendance will be determined by whether the student completed the weekly work or not. In the case where you know you will not be able to submit an assignment on time, please notify the teacher as far in advance as possible. Students are expected to catch up on all missed work.

Homework & Assignments

Homework will be assigned intermittently by the teacher. Any late work submitted may result in point's penalization. A student may request for more time to complete their homework which may or may not be granted by the subject teacher. This is granted at the discretion of the subject teacher.

Grading

This course follows to the Assumption College grading scale:

$Final\ Score \geq 80\%$	4.0
$75\% \leq Final\ Score < 80\%$	3.5
$70\% \leq Final\ Score < 75\%$	3.0
$65\% \leq Final\ Score < 70\%$	2.5
$60\% \leq Final\ Score < 65\%$	2.0
$55\% \leq Final\ Score < 60\%$	1.5
$50\% \leq Final\ Score < 55\%$	1.0
$Final\ Score < 50\%$	0.0

Evaluation and Assessment

The final semester grade for this course out of 100% is broken down as follows:

Quizzes	20% (formative scores)
Worksheets and Assignments	20% (formative scores)
Affective Domain	20% (program mandated)
Midterm Exam	20% (program mandated)
Final Exam	20% (program mandated)



Recommendations for Success

Do not play games or watch TV until your homework is done. Do not stay up late. You should be in bed by 8 or 9 pm so you can get a good night's sleep. If you cannot get a good 8 hours of sleep per night, it will affect both your attention span in class and your ability to learn. This course is very important to the habits you form later in your life.

Encourage you to do at least 20 to 30 minutes of physical activity every day. This will improve your physical, mental, social and emotional well-being.

Listen, learn and share your thoughts and feelings with your classmates, teacher and parents. Most importantly, always strive to do your very best.



EN20213 M1 Supplemental English

Teacher: Mr Jonas Godson
Contact: EP Teacher Room, 2nd floor Colombet Building
jonasinthailand@gmail.com

Class Time: EP – M1/1-2 Three periods per week each class
Credits: 1.5

Course Description

This class will focus on improving the fundamental skills in English, in particular - reading, writing, listening and speaking. The students will embark on a journey beyond the traditional boundaries between exam preparation and real-world language with the Open World Key textbook. Each unit in the Student's Book explores a different topic, allowing students to build up their confidence as they acquire the language and skills needed for everyday English situations as well as exams. A unique exam journey maximizes students' performance, providing a systematic route to exam success. The Workbook consolidates and extends the language and exam skills covered in the Open World Student's Book and includes downloadable audio for the listening activities.

Textbook

Open World A2 Key Cambridge Course book

Course Outline & Objectives

Week 1&2 – Open World Unit 1: A busy life

- Vocabulary – Jobs and routines. collocations with *do, make, take* and *spend*
- Grammar – Lists with *and*, conjunctions *and, but, or, because*
- Writing – Writing an email about a job

Week 3&4 – Open World Unit 2: Changing World

- Reading – Living in a different country
- Vocabulary – Leisure activities, descriptive adjectives and adverbs
- Grammar – Comparative and superlative adjectives, comparative adverbs
- Writing – writing an email invitation / asking for information

Week 5&6 – Open World Unit 3: Free time, screen time?

- Reading – A professional video gamer
- Grammar – Simple and continuous tenses
- Writing – reviewing email structure

Week 7&8 – Open World Unit 4: Keep fit, feel good

- Reading – Amazing athletes
- Vocabulary – Sports and fitness
- Grammar – modal verbs, *must, have/had to, may, can, could*

Week 9 – Revision of skills and content / Catch up on missed classes



Week 10&11 – Midterm exam week

Week 12&13 - Open World Unit 5: More than a holiday

- Reading – A journey in the Gobi Desert
- Grammar – The future tenses
- Writing – Forming a story

Week 14&15 – Open World Unit 6: Time for food

- Vocabulary – Describing a dinner party, cooking instruments
- Grammar – The present and past simple
- Writing – Writing a recipe

Week 16 & 17 – Open World Unit 7: Live life!

- Reading – An interview with an actor
- Vocabulary – Hobbies
- Grammar – Word order in questions, verbs in the *-ing* form

Week 18 - Revision of skills and content / Catch up on missed classes

Week 19 & 20 – Final Exam week

NOTE: Week numbers in the following outline may change due to school schedule changes.

Resources

Required

- 1 notebook (1 white notebook)
- Folder for English only (to keep hand-outs, etc.)
- Textbook + 2 novels
- Blue or black pen + red pen for checking work
- Dictionary (English to English)
- Other resources such as worksheets will be given throughout the semester.

Academic Integrity Policy

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Behavioural Expectations

For the sake of all the members of the class, students are expected to respect themselves, their classmates, the teacher, and the facilities. Students must accept responsibility for themselves and their actions. Students are expected to be ready at the start of every class (notebook, worksheets, English Folder, writing utensils, etc.) and to actively participate throughout the lesson until class is dismissed.

Additionally, all Thai students are expected to embrace the following *desired characteristics*:

- Possess discipline
- Eager to learn
- Be an AC gentleman
- Dedicated to work

Attendance & Tardiness

Attendance will be taken at the start of every class. Students are expected to be in class on-time, every time. Unexcused absences or tardiness will not be tolerated. In the case of planned absences, please notify the teacher in as far in advance as possible. Students are expected to catch up on all missed work outside of class time.

Homework & Classwork

Homework and classwork will be assigned often and must be submitted on or before the due date. Late assignments can be submitted but some marks will be taken off as a penalty. All late or missed assignments that are not turned in *before* the last week of the term will receive a zero.

Grading

This course follows to the Assumption College grading scale:

$Final\ Score \geq 80\%$	4.0
$75\% \leq Final\ Score < 80\%$	3.5
$70\% \leq Final\ Score < 75\%$	3.0
$65\% \leq Final\ Score < 70\%$	2.5
$60\% \leq Final\ Score < 65\%$	2.0
$55\% \leq Final\ Score < 60\%$	1.5
$50\% \leq Final\ Score < 55\%$	1.0
$Final\ Score < 50\%$	0.0

Evaluation and Assessment

The final semester grade for this course out of 100% is broken down as follows:

Formative 1	25%
Formative 2	25%
Behavior	10% (program mandated)
Midterm Exam	20% (program mandated)
Final Exam	20% (program mandated)



Recommendations for Success

English can be a difficult course for many students. All students are encouraged to try the following:

1. Have your materials for English on your desk at the beginning of class.
2. Pay attention and listen carefully while taking notes.
3. Always use English during discussions.
4. Do your homework yourself and do not copy.
5. Come see the teacher outside of class time for assistance.
6. Always do your best.



ST21103 Technology and Computing Science 1

Teacher Mr. Dave Thomas

Contact EP Teacher Room, 6th Floor, Colombet Bldg.

Credits 0.5

Course Description

To study and describe the meaning of technology, as well as demonstrate an understanding of Computer Hardware and Software.

To demonstrate an understanding of programming with robotics and identify basic programming and design concepts in the EV3 and Scratch Environment to produce movement and interaction with environment.

To create the project or improve the system with Engineering design process. Use materials, instruments and tools to solve problems properly and safely by using knowledge process, understanding, and problem-based learning which be able to apply, design, create, solve problems and use technology. Integrated in learning the desired characteristics: dedication in work, eagerness to learn, and responsibility.

Course Outline & Objectives

Topics include: [Indicators 1, 2, 3, 4]

Unit 1

Introduction to Robotics and the Mindstorms environment [Indicators 1, 2]

- Communicating for problem details and problem solving
- Problem-Solving Process
- Pseudo Code and framework writing
- Basic mobility of Robots (EV3)
- Sensors for environmental interaction in Robotics (EV3)

Unit 2 [Indicators 1, 2, 3, 4]

Use of Scratch

- Introduction to Scratch
- Looping on Scratch
- Selection / Decision
- Loops and Conditions

Unit 3 [Indicators 1, 2, 3, 4]

Hardware/Software

- basic hardware of a computer system
- Software and its uses.
- Open source and alternative software models

Unit 4 [Indicators 4]

Make Information Technology Safe

- Threats of Information Technology
- The Use of Information Technology



Resources

Required • EP Computer Lab

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Behavioral Expectations

For the sake of all the members of the class, students are expected to respect themselves, their classmates, the teacher, and the facilities. Students must accept responsibility for themselves and their actions. A behavior score (out of 10 points) is taken every day. At the end of the semester the average is taken and used for the student's behavior score (10%). Students *earn* the scores they receive.

Additionally, all Thai students are expected to embrace the following *desired characteristics*:

- Love for the country and the King, faith in religion
- Possess discipline
- Be self-sufficient
- Proud to be Thai
- Be an AC gentleman
- Eager to learn
- Dedicated to work
- Have a sense of public consciousness
- Be honest and upright

Attendance & Tardiness

Attendance will be taken at the start of every class. Students are expected to be in class on-time, every time. Unexcused absences or tardiness will not be tolerated. In the case of planned absences, please notify the teacher in as far in advance as possible. Students are expected to catch up on all missed work outside of class time.

Homework & Classwork

Homework and classwork will be assigned often and must be submitted on or before the due date. Late assignments can be submitted for a maximum of 50% up until the last week of the term. All late or missed assignments that are not turned in *before* the last week of the term will receive a zero.

Grading



This course follows to the Assumption College grading scale:

<i>Final Score</i> \geq 80%	4.0
$75\% \leq$ <i>Final Score</i> $<$ 80%	3.5
$70\% \leq$ <i>Final Score</i> $<$ 75%	3.0
$65\% \leq$ <i>Final Score</i> $<$ 70%	2.5
$60\% \leq$ <i>Final Score</i> $<$ 65%	2.0
$55\% \leq$ <i>Final Score</i> $<$ 60%	1.5
$50\% \leq$ <i>Final Score</i> $<$ 55%	1.0
<i>Final Score</i> $<$ 50%	0.0

Evaluation and Assessment

The final semester grade for this course out of 100% is broken down as follows:

STEM	10%
Homework/Classwork	10%
Quiz	10%
Coursework	20%
Behavior	10% (program mandated)
Midterm Exam/Project	20% (program mandated)
Final Exam	20% (program mandated)

Recommendations for Success

Information technology can be a difficult course for many students. All students are encouraged to try the following:

1. Read, read, read the textbook. Oftentimes, reading the text once is not enough even for native English speakers. You may need to read the material multiple times to understand. By reading along at home with the lessons taught at school (typically only a few pages per night), students will be able to responsibly manage the material and gain the most from the course.
2. Search online, in either Thai or English, if you don't understand a topic discussed in class or simply to get a better understanding of the topic.
3. Do **not** copy your classmates work; struggle through and do the work on your own! This is how you learn!
4. Come see the teacher outside of class time for assistance.
5. Do more than just the bare minimum; there are plenty of problems in the textbook. We only have time for so many of them. Do the review questions at the end of the chapter and see the teacher for the answers.
6. Study the notes and vocabulary at least a few minutes every day, such as in homeroom or during any free time you might have in other classes.



THE ENGLISH PROGRAM AT ASSUMPTION COLLEGE
Course Syllabus – Semester 1/2023

Teacher Mr. Matthew Harris
Contact Location: 5th Floor Computer Lab

Class Time EP-M 1/2: Thursday 9:20 – 11:10
Credits 1.0

Course Description

To understand and learn general and fundamental computer skills with the Microsoft Office suite, with Word, Excel and PowerPoint. Study about evolution/roles of the internet, principles on searching for information correctly on the internet, practice of searching for information, producing printing media such as word documents, cards, report covers, portfolio covers, PR documents and spreadsheets. Use in learning the practicing skills and analytical skills in order to acquire knowledge, understanding, ability to communicate, and ability to use technology. Integrated in learning the desired characteristics: honesty, public mindedness, determination in learning, and eagerness to learn.

Course Outline & Objectives

Topics include: [Indicator 1,2]

Computer for Education 1 & 2 [Indicator 1, 2]

Information Technology
Week 1: Operating systems Week 2: Microsoft Office Week 3: Presentations Week 4-5: Databases and data driven experiments Week 6-7: Client/Server architecture Midterm Exam (Week 8 and 9; Dec 15-23) Week 10-12: Automation & Web Technologies Week 13: Computer Crimes & Internet Security Week 14-15: Hardware and Software Final Exam (Week 16; Feb 8–12)

Resources

Required	<ul style="list-style-type: none"> • EP Computer Lab • Headphones
Suggested	

Academic Integrity Policy



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Plagiarism is the act of taking someone else's work or ideas and passing them off as one's own work or ideas. Examples of plagiarism include the failure to give appropriate acknowledgement when repeating another's idea, phrase, sentence or paragraph, or failure to give appropriate acknowledgement when paraphrasing any of those.

Behavioral Expectations

For the sake of all the members of the class, students are expected to respect themselves, their classmates, the teacher, and the facilities. Students must accept responsibility for themselves and their actions. A behavior score (out of 10 points) is taken every day. At the end of the semester the average is taken and used for the student's behavior score (10%). Students *earn* the scores they receive.

Additionally, all Thai students are expected to embrace the following *desired characteristics*:

• Love for the country and the king, faith in religion	
• Possess discipline	• Eager to learn
• Be self-sufficient	• Dedicated to work
• Proud to be Thai	• Have a sense of public consciousness
• Be an AC gentleman	• Be honest and upright

Attendance & Tardiness

Attendance will be taken at the start of every class. Students are expected to be in class on-time, every time. Unexcused absences or tardiness will not be tolerated. In the case of planned absences, please notify the teacher in as far in advance as possible. Students are expected to catch up on all missed work outside of class time.

Homework & Classwork

Homework and classwork will be assigned often and must be submitted on or before the due date. Late assignments can be submitted for a maximum of 50% up until the last week of the term. All late or missed assignments that are not turned in *before* the last week of the term will receive a zero.

Grading



This course follows to the Assumption College grading scale:

<i>Final Score</i> \geq 80%	4.0
$75\% \leq$ <i>Final Score</i> < 80%	3.5
$70\% \leq$ <i>Final Score</i> < 75%	3.0
$65\% \leq$ <i>Final Score</i> < 70%	2.5
$60\% \leq$ <i>Final Score</i> < 65%	2.0
$55\% \leq$ <i>Final Score</i> < 60%	1.5
$50\% \leq$ <i>Final Score</i> < 55%	1.0
<i>Final Score</i> < 50%	0.0

Evaluation and Assessment

The final semester grade for this course out of 100% is broken down as follows:

STEAM	10%
Homework/Classwork	30%
Coursework	30%
Behavior	10% (program mandated)
Midterm Exam/Project	10% (program mandated)
Final Exam	10% (program mandated)

Recommendations for Success

Information technology can be a difficult course for many students. All students are encouraged to try the following:

1. Read, read, read the teacher's online notes. Oftentimes, reading the text once is not enough even for native English speakers. You may need to read the material multiple times to understand. By reading along at home with the lessons taught at school (typically only a few pages per night), students will be able to responsibly manage the material and gain the most from the course.
2. Search online, in either Thai or English, if you don't understand a topic discussed in class or simply to get a better understanding of the topic.
3. Do **not** copy your classmates work; struggle through and do the work on your own! This is how you learn!
4. Come see the teacher outside of class time for assistance.
5. Do more than just the bare minimum; there are plenty of problems in the teacher's online notes. We only have time for so many of them. Do the review questions at the end of the chapter and see the teacher for the answers.
6. Study the notes and vocabulary at least a few minutes every day, such as in homeroom or during any free time you might have in other classes.



THE ENGLISH PROGRAM AT ASSUMPTION COLLEGE
Course Syllabus – Semester 1/2023

Contact EP Teachers room, 2nd Floor Colombet Bldg.

Class Time EP-M 1/1: Monday 4th period; Tuesday 1st period; Wednesday 2nd period
EP-M 1/2: Monday 7th period ; Tuesday 6th period; Wednesday 5th period

Credits 1.5

Course Description

The Foundation Science course encompasses a multidisciplinary approach to learning. The course embraces the unique spirit of Assumption in delivering both a dynamic and holistic approach to learning; addresses the needs of individual students at varying academic levels. Foundation science topics include an introduction to matter and properties of matter. Students will perform the scientific method and develop skills in observation, data collection, experimentation, data representation, data interpretation, drawing conclusions and using standard units. Students will understand the importance of applying knowledge to real-life situations with responsibility, honesty, integrity, discipline, creativity, self-sufficiency, a scientific mind and a positive attitude. See course outline and objectives below.

Textbook

Science Fusion: Matter and Energy (H). Holt McDougal (2012) ISBN- 978-0-547-58936-7
HMH Online Learning Platform

Course Outline & Objectives

Module A: Matter and Energy (Physical Science Text)

UNIT 1: Matter (Matter and Energy, Unit 1 pages 1-96 and worksheets) [Indicators 1-7]

Lesson 1: Introduction to Matter (pg 4-17)

- Define *matter*, *mass*, *weight*, *volume*, and *density*.
- Distinguish between mass and weight.
- Identify the equipment used to measure the mass and weight of an object.
- Determine the volume of a rectangular solid.
- Determine the volume of an object using displacement.
- Describe how mass, volume, and density are related.
- Calculate density, mass, or volume given two of the three variables.

Density Lab

Lesson 2: Properties of Matter (pg 20-33)

- Define *physical property* and *chemical property*.
- List common physical properties of matter.
- List common chemical properties of matter.
- Distinguish between physical properties and chemical properties.
- Use characteristic properties to identify substances.

Lesson 3: Physical and Chemical Changes (pg 34-45)

- Define *physical change* and *chemical change*.
- Identify physical changes of matter.
- Describe how temperature influences chemical changes.
- Differentiate between physical changes and chemical changes.
- Identify signs of chemical changes.



- Describe the law of conservation of mass.

Mid-term Exams (Week 10-11; July 18, 20, 24)

Module D: Ecology and the Environment [Indicators FS5 4-25/US5 1]

Lesson 4: Pure Substances and Mixtures (pg 50-63)

- Describe different ways in which the particles that make up matter can combine in various substances.
- Classify pure substances as elements or compounds.
- Name and classify examples of common elements and compounds.
- Compare homogenous mixtures and heterogeneous mixtures.
- Classify mixtures as solutions, colloids, and suspensions.
- Describe how various mixtures can be separated.

Lesson 5: States of Matter (pg 64-73)

- State that the particles (atoms and molecules) that make up matter are constantly in motion.
- Describe the motion of particles in solids, liquids, and gases
- Describe how the movement of particles (atoms and molecules) in solids affects the properties of solids.
- Describe how the movement of particles (atoms and molecules) in liquids affects the properties of liquids.
- Describe how the movement of particles (atoms and molecules) in gases affects the properties of gases.

Lesson 6: Changes of State (pg 74-89) -

- Explain what happens when a substance gains or loses energy.
- Explain that changes of state conserve energy.
- Explain melting and freezing.
- State the freezing point, melting point, and boiling point of water.
- Explain evaporation, boiling, and condensation.
- Explain sublimation and deposition.

Final Exams (Week 20 -21; September 26, 28 and October 2)

Resources

Required

- 1 notebook
- 1 plastic folder for course materials
- Red and blue pen. Liquid paper. Pencils. Ruler
- Headphones

Suggested

- Many different colored pens/markers/highlighters
- Electronic Thai-Eng translator / calculator (phone-based application acceptable **after** teacher approval)



Academic Integrity Policy

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Behavioral Expectations

For the sake of all the members of the class, students are expected to respect themselves, their classmates, the teacher, and the facilities. Students must accept responsibility for themselves and their actions. Students are expected to be ready at the start of every class and to actively participate throughout the lesson until class is dismissed.

All students are given a full score for behavior (10 points) which must be maintained throughout the course of the subject. Any student whose behavior score slips below 5 points over the course of time will be referred to the discipline master.

All Thai students are expected to embrace the following *desired characteristics*:

- Possess discipline
- Eager to learn
- Be an AC gentleman
- Dedicated to work

Attendance & Tardiness

Students are expected to be in class on-time, every time. Unexcused absences or tardiness will not be tolerated. In the case of planned absences, please notify the teacher in as far in advance as possible. Students are expected to catch up on all missed work outside of class time

Homework & Class work

Homework will be assigned intermittently by the teacher. Any late work submitted may result in point's penalization. A student may request for more time to complete their homework which may or may not be granted by the subject teacher. This is granted at the discretion of the subject teacher.

Grading

This course follows to the Assumption College grading scale:

<i>Final Score</i> ≥ 80%	4.0
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THE ENGLISH PROGRAM AT ASSUMPTION COLLEGE
Course Syllabus – Semester 1/2023

$75\% \leq \text{Final Score} < 80\%$	3.5
$70\% \leq \text{Final Score} < 75\%$	3.0
$65\% \leq \text{Final Score} < 70\%$	2.5
$60\% \leq \text{Final Score} < 65\%$	2.0
$55\% \leq \text{Final Score} < 60\%$	1.5
$50\% \leq \text{Final Score} < 55\%$	1.0
$\text{Final Score} < 50\%$	0.0

Evaluation and Assessment

The final semester grade for this course out of 100% is broken down as follows:

Notebook/ Class participation/ Quiz	20%
Labs/ projects	20%
STEM	10%
Behavior (speaking in English / on task / punctual)	10% (program mandated)
Midterm Exam	20% (program mandated)
Final Exam	20% (program mandated)

Recommendations for Success

Don't play games or watch TV until your homework is done. Don't stay up late. You should be in bed during the 9 pm hour so you can get a good night sleep. If you can't get a good 8 hours of sleep per night, it will affect both your attention span in class and your overall ability to learn.

ST20201 Universal Science 1

Teacher Ms. Darlene Howe



Contact Teachers' Room 2nd Floor Colombet Bldg.

Class Time EP-M1/1: Monday, period 1; Friday, period 4
EP-M1/2: Thursday, period 1; Friday, period 5

Credits 1.0

Course Description

The Universal Science course encompasses a multidisciplinary approach to learning. The course embraces the unique spirit of Assumption in delivering both a dynamic and holistic approach to learning; addresses the needs of individual students at varying academic levels. The course offers to cover aspects of scientific investigation, cell structure and function as well as plant physiology and matter. The first half of the course, before the midterm exam, is heavily focused on science laboratory basics and cell processes. Students will perform the scientific method and develop skills in observation, data collection, experimentation, data representation, data interpretation, drawing conclusions and using standard units. Students will understand the importance of applying knowledge to real-life situations with responsibility, honesty, integrity, discipline, creativity, self-sufficiency, a scientific mind and a positive attitude. See course outline and objectives below.

Textbook

Focus Smart Plus Science Mathayom 1 (2018) ISBN- 978-0-547-58945-9
HMH Online Learning Platform

Course Outline & Objectives

Module A: Cells and Heredity

UNIT 1: The Science Process (handouts and worksheets for Unit 1) [Indicators SC20201 1-7]

Lesson 1: Science Laboratory

- Recognize the importance of using a science lab to study science.
- Identify safe and unsafe practices for students in a science laboratory.
- Use lab equipment correctly

UNIT 2: Cells (Cells and Heredity, Unit 1 and class worksheets) [Indicators 8-19]

Lesson 1: The Characteristics of Cells (pg 4-13)

- Describe the relationship between cells and organisms.
- Perform an experiment to help explain why most cells are small in terms of their surface-area-to-volume ratio.
- Summarize the cell theory.
- Compare unicellular and multicellular organisms.
- Identify the parts that all cells have in common.

Lesson 3: Cell Structure and Function (pg 24-35)

- Recognize how prokaryotes differ from eukaryotes.
- Describe the cell membrane, cytoskeleton, and nucleus.



- Describe the structure and function of organelles found in eukaryotic cells, including mitochondria, ribosomes, endoplasmic reticulum, and Golgi complex.

-----End of Midterm Exam Content -----

-----Start of Final Exam Content-----

Module A: Cell and heredity

UNIT 2: Cells (class worksheets) [Indicators SC20201 1-7]

Microscope Task

Lesson 3: Homeostasis and Cell Processes

- Explain why homeostasis is important for survival.
- Identify the needs of cells.
- Explain that homeostasis is maintained at the cellular level and at higher levels
- Discuss why exchange is important for cells.
- Compare passive transport and active transport.

Lesson 4: Photosynthesis and Cellular Respiration (pg 66-77)

- State that all organisms need energy.
- Explain how organisms get energy.
- Define and describe photosynthesis.
- List the starting materials and the products of photosynthesis.
- State the location where photosynthesis takes place.
- Define and describe cellular respiration.
- List the starting materials and the products of cellular respiration.
- State the location where cellular respiration takes place.

Photosynthesis Lab

Unit Review (pg. 90-96)

Resources

Required	<ul style="list-style-type: none"> • 1 notebook • 1 plastic folder • Focus Smart Textbook and Workbook • Red and blue pen. Liquid paper. Pencils. • 1 ruler
Suggested	<ul style="list-style-type: none"> • Many different colored pens/markers/highlighters • Electronic Thai-Eng translator / calculator (phone-based application acceptable only after teacher approval)

Academic Integrity Policy

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Behavioral Expectations

For the sake of all the members of the class, students are expected to respect themselves, their classmates, the teacher, and the facilities. Students must accept responsibility for themselves and their actions. Students are expected to be ready at the start of every class and to actively participate throughout the lesson until class is dismissed.

All students are given a full score for behavior (10 points) which must be maintained throughout the course of the subject. Any student whose behavior score slips below 5 points over the course of time will be referred to the discipline master.

All Thai students are expected to embrace the following *desired characteristics*:

- Possess discipline
- Eager to learn
- Be an AC gentleman
- Dedicated to work

Attendance & Tardiness

Students are expected to be in class on-time, every time. Unexcused absences or tardiness will not be tolerated. In the case of planned absences, please notify the teacher in as far in advance as possible. Students are expected to catch up on all missed work outside of class time.

Homework & Class work

Homework will be assigned intermittently by the teacher. Any late work submitted may result in point's penalization. A student may request for more time to complete their homework which may or may not be granted by the subject teacher. This is granted at the discretion of the subject teacher.

Grading

This course follows to the Assumption College grading scale:

<i>Final Score</i> \geq 80%	4.0
$75\% \leq$ <i>Final Score</i> $<$ 80%	3.5
$70\% \leq$ <i>Final Score</i> $<$ 75%	3.0
$65\% \leq$ <i>Final Score</i> $<$ 70%	2.5
$60\% \leq$ <i>Final Score</i> $<$ 65%	2.0
$55\% \leq$ <i>Final Score</i> $<$ 60%	1.5
$50\% \leq$ <i>Final Score</i> $<$ 55%	1.0
<i>Final Score</i> $<$ 50%	0.0

Evaluation and Assessment

The final semester grade for this course out of 100% is broken down as follows:



THE **ENGLISH PROGRAM** AT ASSUMPTION COLLEGE
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Class work & homework	10%
End of Unit Tests & Quizzes	20%
Labs and projects	20
Behavior / Participation	10% (program mandated)
Midterm Exam	20% (program mandated)
Final Exam	20% (program mandated)

Recommendations for Success

Don't play games or watch TV until your homework is done. Don't stay up late. You should be in bed by 8 or 9 pm so you can get a good night sleep. If you can't get a good 8 hours of sleep per night, it will affect both your attention span in class and your ability to learn.

Teacher Mr. Derrick Thompson (Mr. Derrick)



Contact EP Science Lab Office, 2nd Floor Colombet
Bldg.
thompsonderrick30@gmail.com

**ST20221 Supplement
Science 1 (STEM)**

Credits 0.5

Course Description

This is a mostly hands-on course with a focus on problem solving and active learning. Students are presented with information and then given problems to solve. These problems are usually inspired by real-life situations and careful thought is put into the selection of activities so that they have relevance to both students' lives. Critical thinking skills are emphasized and students are encouraged to see the 'Big Picture' and apply the information that they learn to solve problems that face humanity.

Course Outline & Objectives

1. Scientific Thinking

What is the difference between science and non-science?

2. Definition and Importance of Scientific Process

What are the benefits of the scientific method?

How can we ensure that scientific standards are maintained?

3. Observation and Measurement Skills

Interpreting Information

Units of Measurement

4. Problem Analysis and Hypothesis Skills

How do we use what we know to start the process of gaining more information?

What does it mean to make an "educated guess?"

5. Defining Variables and Setting Control Skills

Independent Variables

Dependent Variables

Controlled Variables

6. S.T.E.M. Project Planning

Problem Identification

Brainstorming

Background Research

End of Midterm Exam Content – Start of Final Exam Content

7. Planning and Conducting Experiments

How do we put independent, dependent, and controlled variables together to design experiments?



8. Skills for Classifying and Organizing Information

Finding Meaning in Results

Making Tables and Graphs to Help Visualize Data

9. Forecasting Skills

Based on newly gained information, what do we predict will happen in the future?

How can we use the information gained to do further research to get even more information or continue research in other areas?

10. Making Conclusions

What can we say based on the results that we attained?

How are the results significant?

11. Semester Review

Resources

- | | |
|-----------|---|
| Required | <ul style="list-style-type: none">• At least 1 notebook (white or pink)• Folder for Science only (to keep handouts, etc.)• Ruler• Glue stick and stapler |
| Suggested | <ul style="list-style-type: none">• Many different colored pencils/highlighters• A Matthayom-level science practice book in Thai |

Academic Integrity Policy

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Behavioral Expectations

For the sake of all the members of the class, students are expected to respect themselves, their classmates, the teacher, and the facilities. Students must accept responsibility for themselves and their actions. Students are expected to be ready at the start of every class (2 notebooks, textbook, writing utensils, etc.) and to actively participate throughout the lesson until class is dismissed.



THE ENGLISH PROGRAM AT ASSUMPTION COLLEGE
Course Syllabus – Semester 1/2023

Additionally, all Thai students are expected to embrace the following *desired characteristics*:

- Possess discipline
- Eager to learn
- Be an AC gentleman
- Dedicated to work

Attendance & Tardiness

Attendance will be taken at the start of every class. Students are expected to be in class on-time, every time. Unexcused absences or tardiness will not be tolerated. In the case of planned absences, please notify the teacher in as far in advance as possible. Students are expected to catch up on all missed work outside of class time.

Homework & Classwork

Homework and classwork will be assigned often and must be submitted on or before the due date. All late or missed assignments that are not turned in *before* the last week of the term will receive a zero.

Grading

This course follows the Assumption College grading scale:

<i>Final Score</i> $\geq 80\%$	4.0
$75\% \leq \textit{Final Score} < 80\%$	3.5
$70\% \leq \textit{Final Score} < 75\%$	3.0
$65\% \leq \textit{Final Score} < 70\%$	2.5
$60\% \leq \textit{Final Score} < 65\%$	2.0
$55\% \leq \textit{Final Score} < 60\%$	1.5
$50\% \leq \textit{Final Score} < 55\%$	1.0
<i>Final Score</i> $< 50\%$	0.0

Evaluation and Assessment

The final semester grade for this course out of 100% is broken down as follows:

Labwork	20%
Notebooks	20%
Behavior/Participation (Affective Domain)	10%
Worksheets	5%
Quizzes	5%
Midterm Project	20%
Final Project	20%



Recommendations for Success

Science can be a difficult course for many students. All students are encouraged to try the following:

1. Read the textbook and websites that the teacher recommends.
2. When studying, learning in the classroom and doing homework, always try to think about how the topic we are learning fits into the 'Big Picture.'
3. Ask questions when you don't understand. If you don't understand something, there are likely other students who don't understand as well. If you ask, then you will be helping those students as well. If you feel more confident asking a question in private, then you may do so.
4. **Do not copy** any work from anyone. This will damage your potential for thinking and being creative. It will also get you a zero. Don't let other students copy your work either, as it will encourage your friends to be lazy and will harm them in the future.



EN21101 Foundation English

Teacher Mr. Nathan Hunter
Contact EP Teacher Room, 3rd Floor Colombet Bldg.
Nathanhunterm1m2english@yahoo.com

Credits 1.5

Course Description

The Foundation English Course focuses on the skills of Reading, Writing, Critical Thinking, and Vocabulary. In term one, M1 students will be using a two books for developing English Skills and three books for reading. The first two books will be a student book and a workbook designed to improve skills in grammar primarily, along with reading, writing, speaking, and listening skills. The second book will be a novel for them to read and improve their reading skills. By the end of the year the students should be able to write sentences and paragraphs with the correct grammar skills specified in each chapter. Students will be given assignments for each type of skill during the semester and in class assessments will include group work, using technology, and creative thinking to explore the unit's topics. Quizzes will be give throughout the year. This book will require students to do individual assignments in their pink notebooks and keep notes in their white notebooks.

This year our M1 students will be given the opportunity to use their ipads in the classroom along with the Smart Board. Students will share their work and upload assignments to Schoology for grading.

TEXT BOOK:

“*Th!nk*’ *Better Learning 2* Cambridge Student Book
(ISBN- 978- 1 -009 – 15194 – 8)

“*Th!nk Better Learning, 2*” Level 2 Cambridge, Workbook
(ISBN- 978- 1 -008 – 78597 – 6)

“The Bicycle Spy,” Yona Zeldis McDonough
(ISBN 9780545850957)

Resources

- | | |
|-----------|--|
| Required | <ul style="list-style-type: none">• 2 notebooks.(Pink and White)• Access to the internet for quizlet, edmodo, and schoology for grades• English Ahead Student book and Workook 1• Strategic Reading Book 1 (Orange Color)• Charlie and the Chocolate Factory |
| Suggested | <ul style="list-style-type: none">• Many different colored pens/markers/highlighters |



Academic Integrity Policy

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Behavioral Expectations

For the sake of all the members of the class, students are expected to respect themselves, their classmates, the teacher, and the facilities. Students must accept responsibility for themselves and their actions. Students are expected to be ready at the start of every class (notebooks, textbook, writing utensils, etc.) and to actively participate throughout the lesson until class is dismissed. Students will be given points for having the class materials ready for class on their desks.

Behavior is monitored every day as per the class rules that are set out at the beginning of the academic year (see the front of your note books). At the end of the semester the average is taken and used for the student's behavior score (10%). Students *earn* the scores they receive. Students' scores will also be calculated weekly in giving points for behavior on occasion.

Additionally, all Thai students are expected to embrace the following *desired characteristics*:

- Love for the country and the King, faith in religion
- Possess discipline
- Be self-sufficient
- Proud to be Thai
- Be an A.C. gentleman
- Eager to learn
- Dedicated to work
- Have a sense of public consciousness
- Be honest and upright

Attendance & Tardiness

Attendance will be taken at the start of every class. Students are expected to be in class on-time, every time. Unexcused absences or tardiness will not be tolerated.

In the case of planned absences, please notify the teacher in as far in advance as possible. Students are expected to catch up on all missed work outside of class time.

Grading

Down below is a table that will show you how the grades are combined for your son's score. Homework will be given in the form of writing assignments, reading assignments, classwork, and quizzes. Work will be assigned often and must be submitted on or before the due date for a score of 40 % of the final grade. Late assignments can be submitted for a maximum of 50% (10 points) up until the last week of the term. All late or missed assignments that are not turned in *before* the last week of the term will receive a zero.



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The chapters and content on the syllabi are what we will seek to cover. It is possible that some of the content may change given time and how fast we cover the material.

STEM

10% of the Students grade will be their grade in STEM. They will be expected to work in groups and participate in the activities. It is important for students to listen carefully to instructions and work together in their STEM class for them to get the work finished on time and produce a good final project. Their homeroom will be assigned a STEM teacher to help them with the project.

Grading

This course follows to the Assumption College grading scale:

<i>Final Score</i> \geq 80%	4.0
$75\% \leq$ <i>Final Score</i> < 80%	3.5
$70\% \leq$ <i>Final Score</i> < 75%	3.0
$65\% \leq$ <i>Final Score</i> < 70%	2.5
$60\% \leq$ <i>Final Score</i> < 65%	2.0
$55\% \leq$ <i>Final Score</i> < 60%	1.5
$50\% \leq$ <i>Final Score</i> < 55%	1.0
<i>Final Score</i> < 50%	0.0

Evaluation and Assessment

Grades will be kept up to date on the website called ‘Schoology.’ All students will sign up and be able to log in to see their grade and what work they have not turned in. This will also provide them with the latest score for their students work. Parents are able to also log in with their own account to see their student’s grade. Go to Schoology.com and sign up as a parent.

The final semester grade for this course out of 100% is broken down as follows:

Reading Ability	5%
Writing Ability	5%
Communication Ability	5%
Worksheets	15%
Tests/Quizzes	20%
Behavior (Affective Domain)	10%
Midterm (Summative) Exam	20% (program mandated)
Final Exam	20% (program mandated)



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Please use the following suggestions:

1. Read, read, read and read. The best way to learn English is to read literature. It helps with nearly every aspect of English. The best students are always the ones who *enjoy* reading. Find a book you like and keep at it. A little everyday is a good way to start.
2. Watching American movies or TV shows with the English subtitles is a good way to improve your speaking and listening skills; it also helps with vocabulary too. When you come across a new word, just pause the movie and write it down in your vocabulary book.
3. Search online (in English) if you don't understand a topic discussed in class to get a better understanding of the topic.
4. **Do not copy your classmate's work; struggle through and do the work on your own.** This is how you learn.
5. Come see the teacher outside of class time for assistance.
6. Study the notes and vocabulary at least a few minutes every day, such as in homeroom or during any free time you might have in other classes.
7. If you don't understand, ask! Communication is vital for success in English.

Weeks:	Content	Skill	Reading:	Assignments:
1-2	Schoology Learning to use the Smartboard Present Simple: 's' and 'es' with verbs. Present Simple Review The Bicycle Spy	Technology Technology Writing/Listening Reading.	No Reading N/A "The Bicycle Spy" p. 1-10	Upload Picture to Schoology Schoology Quiz Sentences with adverbs of frequency. Schoology Quiz P. 1-10, 11-20
3-4	Grammar Grammar: Think 2 (SB) Think 2 (SB)/(WB) Reading in Think.	Grammar: Past Simple Articles: a, an, the Present Perfect/Past Simple: just, already, yet Listening Skills "I've Never" Article: "Human Moles" Reading		Quiz on Schoology Quiz on Schoology "Think 2: SB, p. 14 Ex 1-4 "Think 2" WB. p. 10-11 SB: p. 15 WB: p. 12-13 Think 2: SB: p. 16-17



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	Novel: The Bicycle Spy		“The Bicycle Spy” p. 11-20	Schoology Quiz; p. 21-30, 31-40	
5-6	Present Continuous Grammar Novel: The Bicycle Thief	Reading/Writing Reading	 Read pages 21-30	Writing Sentences Schoology Quiz: p.41-50, 51-60	
7-8	Grammar: Verb Tenses Writing Sentences Novel: The Bicycle Spy	Grammar Past Simple/Past Continuous Writing Reading	 P. 61-70 P. 71-80	Think: (SB) p. 76 (WB) p. 74 Students will write sentences	Schoology Quiz
9-10	Review Week: Week 9 Exam Week: Week 10	Reading/Writing, Speaking	Review of Notes.	No Assignments	
11-12	Articles: a, an, the, some, any The Bicycle Spy	.Reading Simple Reading	 p. 71-90, 91-100		Schoology Quiz
13-14	Commas and Periods Brainstorming Topic Sentences The Bicycle Spy	Notes in class Writing Writing Writing	Worksheets in class. Notes in class. Notes in class. p. 101-110, 11-120	Worksheet Assignment. Doing a Mindmap Writing a paragraph.	Schoology Quiz



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15-16	Relative Classes: Listening Activity Reading Strategies: Unit 4 The Bicycle Spy	Writing Listening Reading Reading	Notes in class p. 121-130, 131-140	Writing Assignment	Schoology Quiz
17-18	Conditionals: zero/1 st /2 nd Read The Bicycle Spy	Grammar Reading	Think (SB) Unit 6: p. 61 Think (WB): p. 56 Think (SB) Unit 8: p. 79 Think (WB) p.74 p. 141-150, p. 151-160	None	Schoology Quiz
19-20	Review Week: 19 Exam Week 20		Students will review work, do a review sheet and do the Exam for week 20.		