



Year 10 Content Summaries Semester 2 Academic Year 2023

Weeks 1 - 10

Teacher Mr.Mahesh Kumar

Subject	Foundation Mathematics	Subject Code :	MA30102
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Unit	Description	Text / Resource
3	Probability <ol style="list-style-type: none">1. Sample Space and Probability2. Theoretical Probability3. Experimental Probability and Algebra of Events4. Comparison between Theoretical Probability and Experimental Probability5. Axioms of Probability	Worksheets Google classroom

Teacher Mr.Mahesh Kumar

Subject	Supplemental Mathematics	Subject Code :	MA30202
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Unit	Description	Text / Resource
3	Functions <ol style="list-style-type: none">1. Definition of a function2. Graphs of Functions3. Algebra of Functions4. Composition of Functions5. Inverse of a function	Worksheets Google Classroom

Teacher	Mr.Daniel Cracknell
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Subject	Foundation English 2	Subject Code :	EN30102
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Unit	Description	Text / Resource
Past Times	History, Expressing frequency, Reading – We used to sleep twice a night, Present & Past habits, Writing an article, Weekly reading & writing tasks.	Prepare 7 Students book & Workbook
Totally Emotional	Expressing emotions, Adverbs – type and position, Reading – When fear becomes phobia, Be/get used to, Listening to short conversations, Generalising, Weekly reading & writing tasks.	Prepare 7 Students book & Workbook

Teacher	Mr.Nick Steber
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Subject	Foundation Health Studies & PE 2	Subject Code :	HP30102
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Unit	Description	Text / Resource
Introduction to PE & Fitness Assessment	Introduction to the physical education curriculum. - Conducting fitness assessments to establish baseline fitness levels. - Discussing the importance of fitness and setting personal fitness goals.	https://www.shapeamerica.org/Common/Uploaded%20files/document_manager/standards/pe/Grade-Level-Outcomes-for-K-12-Physical-Education.pdf http://academic.obec.go.th/images/document/1525235513_d_1.pdf
Football Skills & Games	- Developing football skills including dribbling, passing, and shooting. - Organizing mini football matches to apply skills and teamwork. - Learning about the rules and strategies of football.	

Unit	Description	Text / Resource
Volleyball Fundamentals & Net Sports	<ul style="list-style-type: none"> - Introducing the basics of volleyball, including serving, passing, and spiking. - Playing mini volleyball games to practice skills and teamwork. 	
Chairball Skills & Court Games	<ul style="list-style-type: none"> - Developing chairball skills such as dribbling, passing, and shooting. - Playing mini chairball games to apply skills and teamwork. - Understanding chairball rules and strategies. 	
Fitness	<p>Engaging in fitness activities such as circuit training, agility drills, and strength exercises.</p> <ul style="list-style-type: none"> - Setting fitness goals and tracking progress through fitness assessments. 	

Teacher	Mr. John Stillie
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Subject	Reading and Writing 2	Subject Code :	EN30202
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Unit	Description	Text / Resource
1	IELTS Reading	Achieve IELTS textbook
2	IELTS Writing	Achieve IELTS textbook

Teacher	Mr.John Stillie
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Subject	Listening and Speaking 1	Subject Code :	EN30213
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Unit	Description	Text / Resource
1	IELTS Listening	Achieve IELTS textbook
2	IELTS Speaking	Achieve IELTS textbook

Teacher	Mr.Douglas Mulvaney
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Subject	Public Speaking and Presentation	Subject Code :	EN30219
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Unit	Description	Text / Resource
What makes a good presentation?	Students will view and analyze a curated selection of effective speeches and presentations. Students will learn about the criteria of good presentations. Students will also learn about what not to do during a presentation.	Handouts Google Classroom Digital Resources
Speech Roadmaps: Introductions, Transitions, and Conclusions	Students focus on the structural elements of speeches and learn to use introductions, transitions, and conclusions to guide listeners through a speech. They view and analyze an informative oral report, exploring how simple visual aids help listeners comprehend speeches. They learn techniques for engaging audiences, develop a simple visual aid, and practice a short speech using transitions.	Handouts Google Classroom Digital Resources
Informative Speech	Informing classmates about a topic of your choice. The purpose of this speech is to sharpen research skills, provide evidence for your claims, and develop confidence speaking in front of others.	Handouts Google Classroom Digital Resources

Unit	Description	Text / Resource
Persuasive Speech	Students will view and analyze a curated selection of effective speeches and presentations. Students will learn about the criteria of good presentations. Students will also learn about what not to do during a presentation.	Handouts Google Classroom Digital Resources

Teacher **Mr. Kevin Baker**

Subject	English for Academic Purposes 1	Subject Code :	EN30214
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Unit	Description	Text / Resource
1	Word families in texts Organizing information Making comparisons Dealing with questions in presentations Presentation practice IELTS early preparation materials	In-class handouts, Google Classroom and digital resources
2	Problem / solution phrases Writing practice Abstract thinking Listening practise through quizzes Conditional expressions IELTS based activities and projects	In-class handouts, Google Classroom and digital resources

Teacher	Mr.Matthew Lee
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Subject	Earth & Space Astro	Subject Code :	ST30261
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Unit	Description	Text / Resource
1	The geologic Column Construct a scientific explanation based on evidence from rock strata for how the geologic time scale is used to organize Earth's 4.6-billion-year-old history.	Textbook and in class lectures and laboratory experiments

Teacher	Mr.Sviatoslav Blokhin
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Subject	Computer For Graphic	Subject Code :	ST30271
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Unit	Description	Text / Resource
Introduction to UX/UI Design	In this foundational unit, Year 10 students are introduced to the exciting field of UX/UI design. They explore the fundamentals of user-centered design, understanding user needs, and the importance of creating seamless digital experiences.	Education materials, design software, design assets, design guidelines
Information Architecture and Wireframing	In this unit, students explore the structural foundation of UX/UI design. They learn about information architecture, site mapping, and content organization to ensure logical and intuitive user journeys.	Education materials, design software, design assets, design guidelines

Unit	Description	Text / Resource
User Research and Persona Development	This unit delves into the critical phase of user research and persona development. Students discover how to conduct user interviews, surveys, and usability testing to gather insights into user behavior and preferences.	Education materials, design software, design assets, design guidelines

Teacher	Mr.Dana Blouin
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Subject	Design with Nature	Subject Code :	ST30274
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Unit	Description	Text / Resource

Teacher	Mr.Dana Blouin
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Subject	Graphic Design	Subject Code :	ST30106
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Unit	Description	Text / Resource

Teacher Ms.Shashi Saihgal

Subject

Chemistry 1

Subject Code :

ST30221

Unit	Description	Text / Resource
7	<p>Rate of reaction</p> <ul style="list-style-type: none">- describe experiments to investigate the effects of changes in surface area of a solid, concentration of a solution, temperature and the use of a catalyst on the rate of a reaction- describe the effects of changes in surface area of a solid, concentration of a solution, pressure of a gas, temperature and the use of a catalyst on the rate of a reaction	Textbook and worksheets in google classroom
8	<p>Reversible reactions and equilibrium</p> <p>State that a reversible reaction in a closed system is at equilibrium when:</p> <p>(a) the rate of the forward reaction is equal to the rate of the reverse reaction</p> <p>(b) the concentrations of reactants and products are no longer changing</p> <p>Describe how changing the conditions can change the direction of a reversible reaction for:</p> <p>(a) the effect of heat on hydrated compounds</p> <p>(b) the addition of water to anhydrous compounds limited to copper(II) sulfate and cobalt(II) chloride</p>	Textbook and worksheets in google classroom

Teacher Ms. Shashi Saihgal

Subject

Biology 1

Subject Code :

ST30241

Unit	Description	Text / Resource
11	<p>Gas exchange in humans</p> <ul style="list-style-type: none">- Describe the features of gas exchange surfaces in humans, limited to: large surface area, thin surface, good blood supply and good ventilation with air- Identify in diagrams and images the following parts of the breathing system: lungs, diaphragm, ribs, intercostal muscles, larynx, trachea, bronchi, bronchioles, alveoli and associated capillaries	Textbook and worksheets in google classroom
12	<p>Diseases and immunity</p> <ul style="list-style-type: none">- Describe a pathogen as a disease-causing organism- Describe a transmissible disease as a disease in which the pathogen can be passed from one host to another- State that a pathogen is transmitted:- (a) by direct contact, including through blood and other body fluids- (b) indirectly, including from contaminated surfaces, food, animals and air- Describe the body defenses, limited to: skin, hairs in the nose, mucus, stomach acid and white blood cells	Textbook and worksheets in google classroom

Teacher**Ms.Geethulakshmi Kolanghat**

Subject

Physics 1

Subject Code :

ST30201

Unit	Description	Text / Resource
1	Work, Energy and Power <ul style="list-style-type: none">- Work and energy- Kinetic energy and potential energy- Power- Energy and efficiency	International A level Physics Chapter 5: Work, Energy and Power
2	Circular motion and rotational dynamics <ul style="list-style-type: none">- Uniform circular motion- Centripetal acceleration- Angular acceleration- Moment of inertia- Rotational kinetic energy- Angular momentum	International A level Physics Chapter 15: motion in a circle Chapter 25: Rotational Dynamics



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Weeks 1 - 10

Teacher Ms.Lawan Phumprasert

Subject	Foundation Thai 2	Subject Code :	TH30102
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Unit	Description	Text / Resource
1	<ul style="list-style-type: none">- การสื่อสารเพื่อกิจธุระ- ผังมโนภาพ	<ul style="list-style-type: none">- หนังสือหลักภาษาและ การใช้ภาษาเพื่อการสื่อสาร- สมุดจดงาน
2	<ul style="list-style-type: none">- หัวใจชายหนุ่ม- มงคลสูตรคำฉันท์	<ul style="list-style-type: none">- หนังสือวรรณคดีวิจิตร- สมุดจดงาน

Teacher	Mr.Auttapon Sapkam
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Subject	Foundation Social 2	Subject Code :	SO30102
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Unit	Description	Text / Resource
หน่วยการเรียนรู้ที่ 5 ระบบการเมืองการปกครอง	<ul style="list-style-type: none"> - ลักษณะการเมืองการปกครอง - รูปแบบของรัฐ - การปกครองระบบประชาธิปไตยอันมีพระมหากษัตริย์ทรงเป็นประมุข - สถานการณ์การเมืองการปกครองของไทย - ปัญหาการเมืองสำคัญที่เกิดขึ้นภายในประเทศ 	หนังสือเรียนวิชาหน้าที่พลเมือง รายวิชาพื้นฐาน ม.4-ม.6
หน่วยการเรียนรู้ที่ 6 รัฐธรรมนูญแห่งราชอาณาจักรไทย	<ul style="list-style-type: none"> - ความเป็นมาของรัฐธรรมนูญแห่งราชอาณาจักรไทย - โครงสร้างและความสำคัญของรัฐธรรมนูญ - หลักการที่กำหนดไว้ในรัฐธรรมนูญ - แนวทางการปฏิบัติตนตามบทบัญญัติของรัฐธรรมนูญ - การตรวจสอบการใช้อำนาจอธิปไตยตามรัฐธรรมนูญ 	

Teacher	Mr.Auttapon Sapkam
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Subject	History 2	Subject Code :	SO30108
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Unit	Description	Text / Resource
หน่วยการเรียนรู้ที่ 8 วัฒนธรรมและ ภูมิปัญญา	<ul style="list-style-type: none"> - วัฒนธรรม - ภูมิปัญญา 	หนังสือเรียนวิชาประวัติศาสตร์ รายวิชาพื้นฐาน ม.4-ม.6
หน่วยการเรียนรู้ที่ 9 อิทธิพลของ วัฒนธรรมตะวันออก และ วัฒนธรรมตะวันตก ต่อสังคมไทย	<ul style="list-style-type: none"> - อิทธิพลของวัฒนธรรมตะวันออกต่อสังคมไทย - อิทธิพลของวัฒนธรรมตะวันตกต่อสังคมไทย 	

Unit	Description	Text / Resource
หน่วยการเรียนรู้ที่ 10 บุคคลสำคัญ	- บุคคลสำคัญที่มีส่วนสร้างสรรค์วัฒนธรรมไทย และประวัติศาสตร์ไทย - บุคคลสำคัญที่ส่งเสริมสร้างสรรค์ภูมิปัญญาไทย และวัฒนธรรมไทย	หนังสือเรียนวิชาประวัติศาสตร์ รายวิชาพื้นฐาน ม.4-ม.6

Teacher	Ms.Kakanang Wangcherdchuwong Mr.Yodsapon Wonglamtong Mr.Puwin Kongpibala
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Subject	MUSIC	Subject Code :	AR30102
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Unit	Description	Text / Resource
1	ประวัติสังคีตกริ	Powerpoint / VDO
2	บทบาทของดนตรีในการสะท้อนแนวความคิด และค่านิยมของสังคม	
3	Music Theory : Chord Progession / Chord Triad / 7th	
4	Music Theory : Chord Progession / Chord Triad / 4th	
5	ปฏิบัติเครื่องดนตรี : แนะนำเครื่องดนตรีต่าง ๆ และให้นักเรียนเลือกตามความสนใจ	Yamaha Textbook
6	ปฏิบัติเครื่องดนตรี : Exercise and Reading Notes	
7		
8	ปฏิบัติเครื่องดนตรี : Chord Triad	
9	ปฏิบัติเครื่องดนตรี : Chord 7th	

Unit	Description	Text / Resource
10	สอบเก็บคะแนนปฏิบัติเครื่องดนตรี	Yamaha Textbook