

**Course Syllabus (Mid – term – Semester 2)****Learning Group: Mathematics****Subject code****Subject: Math****Year Level: 10****Total: 1.0 credit**

<b>No.</b>	<b>Topics</b>	<b>Contents</b>	<b>Objectives</b>	<b>Reference</b>
1	Relations and functions	1.1 Introduction to relations and functions 1.2 Ordered-pair numbers and relation 1.3 Types of functions 1.4 Domain 1.5 Range 1.6 Graphs of functions 1.7 Inverse functions 1.8 Graphs of inverse functions	<ul style="list-style-type: none"><li>• By the end of this chapter, students should be able to<ul style="list-style-type: none"><li>➤ Understand what relations and functions are</li><li>➤ Identify ordered-pair and relation properly</li><li>➤ Identify all types of functions correctly</li><li>➤ Find the domain of a given function accurately</li><li>➤ Find the range of a given function correctly</li><li>➤ Draw a graph of a function given clearly</li><li>➤ Find the inverse function of a given function</li><li>➤ Draw a graph of an inverse function</li></ul></li></ul>	

Chapter/ Unit	Topics	Contents	Objectives	Reference
6	Photosynthesis	6.10 Photosynthesis 6.11 Mechanism of Photosynthesis 6.12 Factors affecting photosynthesis  4.8 Primary and Secondary growth in Plants	<ul style="list-style-type: none"><li>• By the end of this chapter, students should be able to<ul style="list-style-type: none"><li>➤ Describe and explain the process of photosynthesis</li><li>➤ Describe and explain the mechanism of photosynthesis</li><li>➤ Describe, explain and differentiate primary and secondary growth in plants</li></ul></li></ul>	Page 164- 172  Page 460-462
5	Inheritance	5.1 The concept of Inheritance based on Mendel's Experiment 5.2 Inheritance 5.3 Genes and Chromosomes	<ul style="list-style-type: none"><li>• By the end of this chapter, students should be able to<ul style="list-style-type: none"><li>➤ Describe and explain the principles of genetics based from Mendel's Experiments</li><li>➤ Describe and explain Inheritance</li><li>➤ Describe and explain Genes and Chromosomes</li></ul></li></ul>	Page 473-488

**Course Syllabus (Mid – term – Semester 2)**

**Learning Group: Social Studies**

**Year Level: 10**

**Subject code**

**Total: 1.0 credit**

**Subject: Social studies**

Chapter/Unit	Topics	Contents	Objectives	Reference
1	Culture	1.1 Culture – Introduction 1.2 Early Systems of Beliefs 1.3 Beliefs and Society 1.4 Religion and Philosophy 1.5 Religion <ul style="list-style-type: none"> <li>○ Hinduism</li> <li>○ Buddhism</li> <li>○ Islam</li> </ul> 1.6 Philosophy <ul style="list-style-type: none"> <li>○ Confucianism</li> <li>○ Philosophy of Confucianism during</li> <li>○ Tang Dynasty</li> <li>○ Taoism</li> <li>○ Legalism</li> <li>○ Philosophy of Legalism during Qin Dynasty</li> <li>○ Golden Age</li> <li>○ Artistic and Scientific Development</li> <li>○ Golden age in China, India and Southeast Asia</li> </ul>	<ul style="list-style-type: none"> <li>● By the end of this chapter, students should be able to                             <ul style="list-style-type: none"> <li>➤ Define culture.</li> <li>➤ Differentiate religion and philosophy.</li> <li>➤ Define the term ‘belief’</li> <li>➤ Outline the basic beliefs of Hinduism, Buddhism and Islam.</li> <li>➤ Understand how religions and philosophies spread.</li> <li>➤ Outline the basic beliefs of Confucianism and Taoism.</li> <li>➤ Outline the basic beliefs of Legalism.</li> <li>➤ Understand the spread of Legalism in China, Hinduism in Southeast Asia and Islam in Southeast Asia.</li> <li>➤ Outline the characteristics that make up a ‘Golden Age’.</li> <li>➤ Understand the development of Golden Age in China, India and Southeast Asia.</li> </ul> </li> </ul>	
2	Contact and Interaction	2.1 Contact and Interaction: Introduction 2.2 Making contact 2.3 Two types of contact ‘Hostile contact’ and ‘Peaceful contact’ 2.4 Interaction	<ul style="list-style-type: none"> <li>● By the end of this chapter, students should be able to                             <ul style="list-style-type: none"> <li>➤ Understand the term ‘contact’ and ‘interaction’</li> <li>➤ Identify the reasons why people made contact.</li> <li>➤ Identify the features of ‘hostile contact’ and ‘peaceful contact’.</li> <li>➤ Compare the impact of the two types of contact on countries.</li> <li>➤ Define the term 'interaction.</li> <li>➤ List the advantages and disadvantages of having interaction.</li> </ul> </li> </ul>	