

Section 5 - Lesson Plan and Assessment

1. Lesson plan

Week	Topic/Outline	Teaching-Learning Model	Program/Teaching Strategies	Content Management	Assessment
1	<ul style="list-style-type: none"> • Course Outline • Pretest • Introduction to mathematical problems solving • PISA (Program for International Student Assessment) 	Online	Google Meet	<ul style="list-style-type: none"> • GSP • PowerPoint • YouTube VDO 	<ul style="list-style-type: none"> • Attendance Record • System log • Pretest
2	<ul style="list-style-type: none"> • Mathematics questions; • Heuristics approach to problem solving; 	Online	Google Meet	<ul style="list-style-type: none"> • GSP • PowerPoint • Lecture Notes • Worksheet 	<ul style="list-style-type: none"> • Attendance Record • System log - Quiz
3-4	<ul style="list-style-type: none"> • problem-solving skills • problem strategies; and • Heuristics 	Online	Google Meet	<ul style="list-style-type: none"> • GSP • PowerPoint • Lecture Notes • Worksheet 	<ul style="list-style-type: none"> • Attendance Record • System log - Quiz
5	<ul style="list-style-type: none"> • problems posing; • problems extension; and • KWL: problems solving 	Online/ On Demand	Google Meet http://www.elic.ssrु.ac.th/	<ul style="list-style-type: none"> • GSP • Lecture Notes • Worksheet 	<ul style="list-style-type: none"> • Attendance Record • System log - Quiz
6.	<ul style="list-style-type: none"> • critical thinking skills and • decision making skills; 	Online/ On Demand	Google Meet http://www.elic.ssrु.ac.th/	<ul style="list-style-type: none"> • GSP • Lecture Notes • Worksheet 	<ul style="list-style-type: none"> • Attendance Record • System log

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7.	<ul style="list-style-type: none"> Project Work Assignments & Activities 	Online/ On Demand	<ul style="list-style-type: none"> Google Meet http://www.elic.ssrु.ac.th/ PISA & ONET Problems 	<ul style="list-style-type: none"> GSP Lecture Notes Worksheet 	<ul style="list-style-type: none"> Attendance Record System log
8.	<ul style="list-style-type: none"> Mid - Term Test Project Work Assignments & Activities 	Online/ On Demand	<ul style="list-style-type: none"> Google Meet http://www.elic.ssrु.ac.th/ 	<ul style="list-style-type: none"> GSP Lecture Notes Worksheet 	<ul style="list-style-type: none"> Attendance Record System log Test
9.-10	<ul style="list-style-type: none"> solving word problems using bar-model methods and others; 	Online	<ul style="list-style-type: none"> Google Meet 	<ul style="list-style-type: none"> GSP Lecture Notes Worksheet 	<ul style="list-style-type: none"> Attendance Record System log Quiz
11	<ul style="list-style-type: none"> solving word problems using stack-model methods and others; 	Online/ On Demand	<ul style="list-style-type: none"> Google Meet http://www.elic.ssrु.ac.th/ 	<ul style="list-style-type: none"> GSP Lecture Notes Worksheet 	<ul style="list-style-type: none"> Attendance Record System log Assignment
13-14	<ul style="list-style-type: none"> PISA-Collaborative problem solving; 	Online/ On Demand/ On site	<ul style="list-style-type: none"> Google Meet http://www.elic.ssrु.ac.th/ 	<ul style="list-style-type: none"> GSP Lecture Notes Worksheet 	<ul style="list-style-type: none"> Attendance Record System log Work assignment

15	<ul style="list-style-type: none">research on mathematical problem solving	Online/ On Demand	Google Meet http://www.elic.sru.ac.th/	<ul style="list-style-type: none">GSPLecture NotesWorksheet	<ul style="list-style-type: none">Attendance RecordSystem logAssignment
16	<ul style="list-style-type: none">Mark up classesStudents' Project Work Assignments & Activities			<ul style="list-style-type: none">GSPLecture NotesWorksheet	
17.	Final Examination				

Note: Lesson plan might be affected by the COVID-19 pandemic.