



	Date	Start	Time	Information	Topic	Room	Book Chapter	Teacher		
Week 1	Mon	02-sep	10:00	11:45	INTRODUCTION - Earth System Sciences	SET UP OF AN INHABITABLE PLANET	Will-Olsson	Chap.1	Richard	Week 1
			13:00	14:45	FORMATION OF THE UNIVERSE, SOLAR SYSTEM, AND EARTH		Will-Olsson	Chap.20	Richard	
	Tues	03-sep	10:00	11:45	PRESENTATION OF GROUP RESEARCH		Will-Olsson		Richard, Volker, Iain	
			13:00	14:45	EARTH STRUCTURE		Will-Olsson	Chap.20	Richard	
					Online Quiz Exercise					
	Wed	04-sep	10:00	11:45	MINERALS IN ROCKS: Structure of matter - minerals	EARTH MATERIALS - MINERAL & IGNEOUS ROCK	Will-Olsson	Chap. 3	Joakim	
			13:00	14:45	Exercise Group A (Group B - <b>READING - VALID FOR ALL HALF-CLASSES</b> )		Y11			
			15:00	16:45	Exercise Group B (Group A - <b>READING - VALID FOR ALL HALF-CLASSES</b> )					
	Thurs	05-sep	10:00	11:45	MINERALS IN ROCKS: Mineral properties - Mineral identification		Will-Olsson	Chap. 3	Joakim	
			13:00	14:45	Exercise Group B		Y11			
		15:00	16:45	Exercise Group A						
Fri	06-sep	10:00	11:45	MINERALS in ROCKS; Rock forming minerals	Will-Olsson	Chap. 4	Joakim			
		13:00	14:45	Exercise Group A - Microscopy	U28					
				Exercise Group B - Microscopy	U28					
					Will-Olsson	Chap. 4	Joakim			
Week 2	Mon	09-sep	10:00	11:45	IGNEOUS ROCKS	EARTH MATERIALS - METAMORPHISM	Will-Olsson	Chap. 4	Joakim	Week 2
			13:00	14:45	Exercise Group B		Y11			
			15:00	16:45	Exercise Group A					
	Tues	10-sep	10:00	11:45	VOLCANOES	Will-Olsson	Chap. 7	Alasdair		
			13:00	15:45	Lab-Group A	Y11				
			15:00	16:45	Lab-Group B	Y11				
	Wed	11-sep	10:00	11:45	METAMORPHISM	Will-Olsson	Chap. 7	Alasdair		
			13:00	14:45	Lab-Group B - Microscopy	Y11/U28				
			15:00	16:45	Lab-Group A - Microscopy	Y11/U28				
	Thur	12-sep	07:45	11:45	PLATE TECTONICS - INTRODUCTION	PLATE TECTONICS	Will-Olsson	Chap. 2	Richard	
		13:00	14:45	READING						
		15:00	16:45	READING						
Fri	13-sep	10:00	11:45	PLATE TECTONICS - INTERACTION AT THE BOUNDARIES	Will-Olsson		Chap. 2	Richard		
		13:00	14:45	READING						
		13:00	15:45	READING						
Mon	16-sep	10:00	11:45	PLATE TECTONICS - Exercises GROUP A	PLATE TECTONICS	U27		Richard	Week 3	
		13:00	14:45	PLATE TECTONICS - Exercises GROUP B		U27		Richard		
Tues	17-sep			READING						
Wed	18-sep	10:00	11:45	SEDIMENTS - Surface processes, sedimentary structure	EARTH MATERIALS - SEDIMENT	Will-Olsson	Chap. 6	Vicky		
		13:00	14:45	SEDIMENTS - Sedimentary environment - Diagenesis and classification		Will-Olsson	Chap. 7			
		15:00	16:45							
Thurs	19-sep	10:00	11:45	SEDIMENTS - Surface processes, sedimentary structure Exercise, Group B	EARTH MATERIALS - SEDIMENT	Y11		Mohammad		
		13:00	14:45	SEDIMENTS - Surface processes, sedimentary structure Exercise, Group A		Y11		Vicent + Blanda		
		15:00	16:45							
Fri	20-sep	10:00	11:45	CLOCK IN ROCKS I - Stratigraphy and Geological Time scale	CLOCK IN ROCKS	Will-Olsson	Chap. 9	Helen		
		13:00	14:45	Exercise Group A - Identifying unconformities/Relative geological time		Y11		Mohammad		
		15:00	16:45	Exercise Group B - Identifying unconformities/Relative geological time		Y11		Vicent + Blanda		
Mon	23-sep	10:00	11:45	CLOCK IN ROCKS II - Measuring time and Stratigraphic logs	CLOCK IN ROCKS	Will-Olsson	Chap. 9	Helen	Week 4	
		13:00	14:45	Rock garden exercise GROUP A & B		outside IG		Richard		
		15:00	16:45							
Tues	24-sep	10:00	11:45	PALEONTOLOGY - Fossil record and fossilization	PALEONTOLOGY	Will-Olsson	Chap. 6	Otto		
		13:00	14:45	Lab Group B		Y11				
		15:00	16:45	Lab Group A		Y11				
Wed	25-sep	10:00	11:45	PALEONTOLOGY - Fossils of Gotland		Will-Olsson	Chap. 6	Otto		
		13:00	14:45	READING						
		15:00	16:45	READING						
Thurs	26-sep			Exam A preparation						
Fri	27-sep			Exam A preparation						
Mon	30-sep	09:00	14:00	<b>EXAM A</b>					Week 5	
				U28 Will-Olsson Y11 U13						
Tue	01-okt			<b>EXCURSION GOTLAND &amp; UTÖ</b> ↓ <b>(Tuesday 1 Oct - Monday 7 Oct)</b> <b>SEE SEPARATE SCHEDULE</b>						
Wed	02-okt									
Thu	03-okt		↓							
				<b>EXCURSION</b> ↓ <b>Alasdair-Elisabeth-Joakim-Otto-Richard-Pete</b>						



Week	Day	Date	Time	Activity	Topic	Staff			
Week 5	Fri	04-okt		EXCURSION GOTLAND & UTÖ (Tuesday 1 Oct - Monday 7 Oct) SEE SEPARATE SCHEDULE	EXCURSION	Alasdair-Elisabeth-Joakim-Otto-Richard-Pete			
	Sat	05-okt							
	Sun	06-okt							
Week 6	Mon	07-okt							
	Tues	08-okt	10:00 - 11:45	Reading					
			13:00 - 14:45						
			15:00 - 16:45						
	Wed	09-okt	10:00 - 11:45	EARTHQUAKES AND TSUNAMIS	EARTH MATERIAL	Will-Olsson	Chap. 5	Alasdair	
			13:00 - 14:45	Exercise Group A		Y11		Alasdair	
			15:00 - 16:45	Exercise Group B		Y11		Alasdair	
	Thurs	10-okt	10:00 - 11:45	DEFORMATION		Will-Olsson	Chap. 10	Alasdair	
			13:00 - 14:45	Home assignment		home			
15:00 - 16:45			Home assignment	home					
Fri	11-okt	10:00AM - 11:45	METHOD: Introduction to GIS	METHOD	Will-Olsson		Richard		
		13:00 - 14:45	Exercise Group A - Make a map using QGIS		U27		Richard		
		15:00 - 16:45	Exercise Group A - Make a map using QGIS		U27		Richard		
Week 7	Mon	14-okt	10:00 - 11:45	GIS in research	METHOD	Will-Olsson		Martin	
			13:00 - 14:45	Exercise Group B - Make a map using QGIS		U27		Richard	
			15:00 - 16:45	Exercise Group B - Make a map using QGIS		U27		Richard	
	Tues	15-okt	10:00 - 11:45	ORIGIN OF LIFE - GREAT OXIDATION EVENT	LIFE, ECOSYSTEM, BIOGEOCHEMICAL CYCLES	Will-Olsson	Chap. 22	Pete	
			13:00 - 14:45	Quiz Online		Y11			
			15:00 - 16:45						
	Wed	16-okt	10:00 - 11:45	FUNCTION AND PATHWAYS OF ENERGY IN ECOSYSTEM -		Will-Olsson	Chap. 17-22	Pete	
			13:00 - 14:45	Exercise Group A		Y11			
			15:00 - 16:45	Exercise Group B		Y11			
Thurs	17-okt	10:00 - 11:45	MAIN BIOGEOCHEMICAL CYCLES		Will-Olsson	Chap. 17-22	Pete		
		13:00 - 14:45	Exercise Group B		Y11				
		15:00 - 16:45	Exercise Group A		Y11				
Fri	18-okt	10:00 - 11:45	CLIMATE SYSTEM	CLIMATE SYSTEM	Will-Olsson	Chap. 12	Alasdair		
		13:00 - 14:45	Exercise Group A		Y11				
		15:00 - 16:45	Exercise Group B		Y11				
Week 8	Mon	21-okt	09:00 - 11:45	CRYOSPHERE - Ice in the Earth system	CLIMATE SYSTEM	Will-Olsson	Chap. 15	Sarah	
			13:00 - 14:45	Online exercise		Y11			
			15:00 - 16:45	Online exercise		Y11			
	Tues	22-okt	10:00 - 11:45	CRYOSPHERE - Glacial geology		Will-Olsson	Chap. 15	Sarah	
			13:00 - 14:45	Field (Stora Skuggan, both groups)		field			
			15:00 - 16:45	Field (Stora Skuggan, both groups)		field			
	Wed	23-okt	10:00 - 11:45	THE WORLD OCEAN - Ocean circulation (formation-size)		Will-Olsson	Chap. 14	Agatha	
			13:00 - 14:45						
			15:00 - 16:45						
Thurs	24-okt	10:00 - 11:45	ANTHROPOCENE		Will-Olsson	Chap. 13	Alasdair		
		13:00 - 14:45	Exercise Group B		Y11				
		15:00 - 16:45	Exercise Group A		Y11				
Fri	25-okt	10:00 - 11:45	READING						
		13:00 - 14:45							
		15:00 - 16:45							
Week 9	Mon	28-okt	13:00 - 14:45	COURSE CONCLUSION - QUESTIONS	SUMMARY	Will-Olsson		Richard, Pete	
	Tues	29-okt							
	Wed	30-okt							
	Thurs	31-okt							
Fri	01-nov	09:00 - 14:00		EXAM B		U28			
						Will-Olsson	Y11		