



	Date	Start	Time	Information	Topic	Room	Marshak Ch.	Teacher				
Week 1	Mon	01-sep	10:00	11:45	INTRODUCTION - Earth System Sciences	SET UP OF AN INHABITABLE PLANET	Will-Olsson	Ch. 1	Richard	Week 1		
			13:00	14:45	FORMATION OF THE UNIVERSE, SOLAR SYSTEM, AND EARTH		Will-Olsson	Ch. 1	Richard			
	Tues	02-sep	10:00	11:45	PRESENTATION OF GROUP RESEARCH		Will-Olsson		Richard, Wei-Li, Iain			
			13:00	14:45	EARTH STRUCTURE		Will-Olsson	Ch. 2, 10 +	Richard			
			15:00	16:45	Online Quiz Exercise			Interlude D				
	Wed	03-sep	10:00	11:45	CHEMISTRY BASICS - elements to minerals	BASIC SCIENCE	Will-Olsson	Ch. 5	Pete		Week 2	
			13:00	14:45	Exercise Group A (Group B - READING - VALID FOR ALL HALF-CLASSES)		Y11		Pete + Richard			
			15:00	16:45	Exercise Group B (Group A - READING- VALID FOR ALL HALF-CLASSES)		Y11		Pete + Richard			
	Thurs	04-sep	10:00	11:45	MINERALS in ROCKS: Mineral properties - Mineral identification	EARTH MATERIALS - MINERAL & IGNEOUS ROCK	Will-Olsson	Ch. 5	Joakim			Week 3
			13:00	16:45	Exercise Group B - Mineral identification		Y11		Joakim + Ylva			
				Exercise Group A - Mineral identification	Y11			Joakim + Ylva				
Fri	05-sep	10:00	11:45	READING	READING							
		13:00	14:45									
Mon	08-sep	10:00	11:45	MINERALS in ROCKS; Rock forming minerals	ROCK	Will-Olsson	Interlude A	Joakim	Week 4			
		13:00	14:45	Exercise Group A - Mineral identification		Y11		Joakim				
		15:00	16:45	Exercise Group B - Mineral identification		Y11		Joakim				
Tues	09-sep	10:00	11:45	IGNEOUS ROCKS		Will-Olsson	Ch. 6	Joakim				
		13:00	15:45	Exercise Group B - igneous rock identification		Y11		Joakim				
		15:00	16:45	Exercise Group A - igneous rock identification		Y11		Joakim				
Wed	10-sep	10:00	11:45	VOLCANOES		Will-Olsson	Ch. 6	Alasdair				
		13:00	14:45	Lab-Group A		Y11		Alasdair				
		15:00	16:45	Lab-Group B		Y11		Alasdair				
Thur	11-sep	10:00	11:45	PLATE TECTONICS - INTRODUCTION		PLATE TECTONICS	Will-Olsson	Ch. 4		Richard	Week 5	
		13:00	14:45	PLATE TECTONICS - Exercises GROUP A	Y11			Richard				
		15:00	16:45									
Fri	12-sep	10:00	11:45	PLATE TECTONICS - INTERACTION AT THE BOUNDARIES	Will-Olsson		Ch. 4	Richard				
		13:00	14:45	PLATE TECTONICS - Exercises GROUP B	Y11			Richard + Ylva				
		13:00	15:45									
Mon	15-sep	10:00	11:45	SEDIMENTS - Surface processes, sedimentary structure	EARTH MATERIALS- SEDIMENT	Will-Olsson	Interlude B	Pete	Week 6			
		13:00	14:45	SEDIMENTS - Surface processes, sedimentary structure Exercise, Group B		Y11		Pete				
		15:00	16:45									
Tues	16-sep	10:00	11:45	SEDIMENTS - Sedimentary environment - Diagenesis and classification		Will-Olsson	Ch. 7	Wei-Li				
		13:00	14:45	SEDIMENTS - Surface processes, sedimentary structure Exercise, Group A		Y11		Wei-Li				
		15:00	16:45									
Wed	17-sep	10:00	11:45	READING	READING					Week 7		
		13:00	16:45									
Thurs	18-sep	10:00	11:45	METAMORPHISM	EARTH MTRL.	Will-Olsson	Ch. 8	Alasdair			Week 8	
		13:00	14:45	Lab-Group B - Metamorphic rock identification		Y11/U28		Alasdair				
		15:00	16:45	Lab-Group A - Metamorphic rock identification		Y11/U28		Alasdair				
Fri	19-sep	10:00	11:45	Minerals and Rocks identification extra exercise time		U28 + Y11		Richard				
		13:00	16:45	Minerals and Rocks identification extra exercise time	U28 + Y11							
Mon	22-sep	10:00	11:45	CLOCKS IN ROCKS I - Stratigraphy and Geological Time scale	CLOCKS IN ROCKS	Will-Olsson	Ch. 12	Helen	Week 9			
		13:00	14:45	Rock garden exercise GROUP A & B		Outside IGV		?				
		15:00	16:45									
Tues	23-sep	10:00	11:45	CLOCKS IN ROCKS II - Measuring time and Stratigraphic logs		U29	Ch. 12	Helen				
		13:00	14:45	Exercise Group A - Identifying unconformities/Relative geological time	Y11		?					
		15:00	16:45	Exercise Group B - Identifying unconformities/Relative geological time	Y11		?					
Wed	24-sep	10:00	11:45	STATISTICS & DATA REPRESENTATION - Basic statistics for geoscientists	BASIC SCIENCE	Will-Olsson		Jan		Week 10		
		13:00	14:45	Exercise Group A - statistical handling of geoscientific data		Y11						
		15:00	16:45	Exercise Group B - statistical handling of geoscientific data		Y11						
Thurs	25-sep	10:00	11:45	EARTHQUAKES AND TSUNAMIS	EARTH MATERIAL	Will-Olsson	Ch. 10	Alasdair			Week 11	
		13:00	14:45	Exercise Group B		Y11						
		15:00	16:45	Exercise Group A		Y11						
Fri	26-sep	10:00	11:45	DEFORMATION		Will-Olsson	Ch. 11	Uwe				
		13:00	14:45	Home assignment		Y11						
		15:00	16:45	Home assignment	Y11							
Mon	29-sep	10:00	11:45	METHOD: Introduction to GIS	METHOD	Will-Olsson		Richard	Week 12			
		13:00	14:45	Exercise Group A - Make a map using QGIS		U27		Richard + Jan				
		15:00	16:45	Exercise Group A - Make a map using QGIS		U27		Richard + Jan				
Tue	30-sep	10:00	11:45	GIS in research		Will-Olsson		Martin				
		13:00	14:45	Exercise Group B - Make a map using QGIS		U27		Richard + Jan +				
		15:00	16:45	Exercise Group B - Make a map using QGIS		U27		Ylva				
Wed	01-okt			Voluntary Training EXAM				Will-Olsson				

Week 5	Thu	02-okt			EXCURSION GOTLAND & UTÖ (Thursday 2 Oct - Wednesday 8 Oct) SEE SEPARATE SCHEDULE	E X C U R S I O N	Alasdair-Elisabeth-Christophe-Joakim-Otto- Richard-Pete			Week 5									
	Fri	03-okt																	
	Sat	04-okt																	
	Sun	05-okt	Transfer																
Week 6	Mon	06-okt								READING				Week 6					
	Tues	07-okt																	
	Wed	08-okt																	
	Thurs	09-okt																	
Week 7	Fri	10-okt	10:00	11:45										PALEONTOLOGY - Fossil record and fossilization	PALEONTOLOGY	Will-Olsson	Interlude E	Otto	Week 7
			13:00	14:45										Lab Group B		Y11			
			15:00	16:45	Lab Group A	Y11													
	Mon	13-okt	10:00	11:45	PALEONTOLOGY - Fossils of Gotland	Will-Olsson	Ch. 13	Otto											
			13:00	14:45	READING														
			15:00	16:45	READING														
	Tues	14-okt	10:00	11:45	THE HISTORY OF LIFE - origin of life to recent	LIFE, ECOSYSTEM, BIOGEOCHEMICAL CYCLES	Will-Olsson	Ch. 13	Pete										
			13:00	14:45	Quiz Online														
			15:00	16:45															
	Wed	15-okt	10:00	11:45	ECOSYSTEM FORM AND FUNCTION - Ecology, concepts, past ecosystems		Will-Olsson	Ch. 23 + Extra	Pete										
			13:00	14:45	Quiz Online														
			15:00	16:45															
	Thurs	16-okt	10:00	11:45	READING (Lecture at 13.00!)														
			13:00	14:45	BIOGEOCHEMICAL CYCLES		Will-Olsson	Ch. 23 + Extra	Wei-Li										
			15:00	16:45	Quiz Online														
Fri	17-okt	10:00	11:45	CLIMATE SYSTEM	Will-Olsson		Ch. 20, 23	Alasdair											
		13:00	14:45	Exercise Group A	Y11														
		15:00	16:45	Exercise Group B	Y11														
Week 8	Mon	20-okt	10:00	11:45	CRYOSPHERE - Ice in the Earth system	CLIMATE - OCEAN - CRYOSPHERE	Will-Olsson	Ch. 22	Sarah	Week 8									
			13:00	14:45	Online exercise														
			15:00	16:45	Online exercise														
	Tues	21-okt	10:00	11:45	CRYOSPHERE - Glacial geology		Will-Olsson	Ch. 22	Sarah										
			13:00	14:45	Field (Stora Skuggan, both groups)		field		Sarah + Richard +										
			15:00	16:45	Field (Stora Skuggan, both groups)		field		Ylva										
	Wed	22-okt	10:00	11:45	THE WORLD OCEAN - Ocean circulation (formation-size)		Will-Olsson	Ch. 18	Agatha										
			13:00	14:45	Exercise Group B														
			15:00	16:45	Exercise Group A														
	Thurs	23-okt	10:00	11:45	ANTHROPOCENE		Will-Olsson	Ch. 23	Alasdair										
			13:00	14:45	Exercise Group A		Y11												
			15:00	16:45	Exercise Group B		Y11												
Week 9	Mon	27-okt	13:00	14:45	COURSE CONCLUSION - QUESTIONS	SUMMARY	Will-Olsson		Richard, Pete	Week 9									
	Tues	28-okt			Exam preparation + report writing														
	Wed	29-okt			Exam preparation + report writing														
	Thurs	30-okt			Exam preparation + report writing														
	Fri	31-okt	09:00	14:00	EXAM			Y11	Will-Olsson		U10								