		都立	国際高校 年間授業計画/Tokyo Metropolitan Kokusai High School	Course Syllabus	
			科目基礎情報/Course information		
		開講年度/Academic year	令和4年度/2022年度		
開講学科/Department		開講学科 / Department	国際学科国際バカロレアコース/IBDP(International Baccalaureate Diploma Programme)		
教科/Subject		教科/Subject	Science		
科目/Course Title		科目/Course Title	DP Chemistry Higher Level (HL)		
学年・クラス/Year・		学年・クラス/Year・Class	2 (IBDP 1st Year)		
		単位数/credits	6		
			科目概要情報/Course description		
講座概要/Course description 到達目標/Course objectives 評価方法と評価基準/ Evaluation method and criteria		講座概要/Course description	Chemistry is a branch of science that deals with structure, composition and properties of matter found in living and non-living organisms. Chemistry concepts are usually characterized by interactions of atoms at the atomic and molecular level. It is central to the study of physical environments and biological system and as such the course carries an underlying content of Biology and Physics in addition to the chemistry content. The course involves consolidating content with practical experiments.		
		到達目標/Course objectives	1. Appreciate scientific study and creativity within a global context through stimulating and challenging opportunities 2. Acquire a body of knowledge, methods and techniques that characterize science and technology 3. Apply and use a body of knowledge, methods and techniques that characterize science and technology 4. Develop an ability to analyse, evaluate and synthesize scientific information 5. Develop a critical awareness of the need for, and the value of, effective collaboration and communication during scientific activities 6. Develop experimental and investigative scientific skills including the use of current technologies 7. Develop and apply 21st century communication skills in the study of science 8. Become critically aware, as global citizens, of the ethical implications of using science and technology 9. Develop an appreciation of the possibilities and limitations of science and technology 10. Develop an understanding of the relationships between scientific disciplines and their influence on other areas of knowledge. Lab Reports, Assignments, Class Activities, Tests		
教科書/Textbooks		教科書/Textbooks	Oxford IB Diploma Programme Chemistry		
		校外学習/Field trip			
			授業計画/Course schedule		
		指導項目/Topic	指導内容/Contents	評価の方法・基準/Evaluation method and criteria	予定時数/ Alotted hours
		Stoichiometry	The Particulate Nature of Matter	Class activities, Assignments and Tests	20
			Chemical Change		
	4 月		The Mole Concept		
			Calculations involving the mole, volumes and masses		
er		Atomic Structure	The atom and Electronic structure	Class activities, Assignments, Test and Experiments	30
1学期/1st semester	5	Periodicity	The Periodic Table and Periodic Trends		
st se	5 月	Chemical bonding	Chemical bonding		
/推					
李 1		Chemical bonding	Chemical bonding		30
	6	Measurement and data processing	Measurement and data processing		
	月	Chemical Kinetics	Chemical Kinetics		
	7	Equilibrium	Equilibrium	1	20
	月				
	9	Acids and Bases	Acids and Bases	Class activities, Assignments and Tests	22
	月				
r.		Acids and Bases	Acids and Bases	Class activities, Assignments, Test and Experiments	30
2学期/2nd semester	10 月	Energectics and Thermochemistry	Energectics and Thermochemistry		
	н	<u> </u>			
期/2	11	Energectics and Thermochemistry	Energectics and Thermochemistry		24
2季	月				
	12	Redox Processes	Redox Processes	1	10
	月				
3学期/3rd semester	1	Redox Processes	Redox Processes	Class activities, Assignments and Tests	16
	月			1000	
		Oznazia Ohamista	Ouncir Chamitte.	0	
3rds	2 月	Organic Chemistry	Organic Chemistry	Class activities, Assignments, Test and Experiments	22
₩.		1		1	1
学期					
3学期	3 月	Measurement and data processing	Measurement and data processing		1