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 国際学科国際バカロレアコース/IBDP(International Baccalaureate Diploma Programme) 開講学科/Department 教科/Subject Science Physics Standard Level (SL) 科日/Course Title 3 (IBDP 2nd Year) 学年・クラス/Year・Class 単位数/credits 科目概要情報/Course description Physics is the most fundamental of the experimental sciences as it seeks to explain the universe itself, from the very smallest particles to the vast distance. agalaxies. Despite the exciting and extraordinary development of ideas throughout the history of physics, observations remain essential to the very core of the subject. Models are developed to try to understand observations, and these themselves can become theories that attempt to explain the observations. By studying physics students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the subject. Teachers provide students with opportunities to develop manipulative skills, design investigations, collect data, analyse results and evaluate and communicate their findings. 講座概要/Course description Through the overarching theme of the nature of science, the aims of the DP physics course are to enable students to: appreciate scientific study and creativity within a global context through stimulating and challenging opportunities acquire a body of knowledge, methods and techniques that characterize science and technology apply and use a body of knowledge, methods and techniques that characterize science and technology develop an ability to analyse, evaluate and synthesize scientific information * develop a critical awareness of the need for, and the value of, effective collaboration and communication during scientific activities 到達目標/Course objectives * develop experimental and investigative scientific skills including the use of current technologies . become critically aware, as global citizens, of the ethical implications of using science and technology Students will be evaluated as follows Paper 1: 40 multiple-choice questions, duration 1 hour, weighing 20%, marks 40 Paper 2: Short-answer and extended-response questions on core and AHL, duration 2 hours and 15 minutes, weighing 36%, marks 95 Paper 3: Questions on core and HL option material, duration 1 hour and 15 minutes, weighing 20%, marks 24 Internal assessment: Duration 10 hours, weighing 20%, 24 marks 評価方法と評価基準/ Physics (2014 Edition) by David Homer and Michael Bowen-Jones 教科書/Textbooks 校外学習/Field trip 授業計画/Course schedule 評価の方法・基準/Evaluation method 予定時数/ 指導項目/Topic 指導内容/Contents and criteria Alotted hours nternal Assessment 12 Internal Assessment Paper 3 type data-based questions. ractical work nternal Assessment Paper 1 and Paper 2 types of 5 月 questions, practical work Paper 1 and Paper 2 types of questions, practical work Revision Revision 20 1学期/1 6 月 Revision Paper 1 and Paper 2 types of 16 questions, practical work Paper 1 and Paper 2 types of 9 月 questions, practical work Paper 1 and Paper 2 types of Revision Revision 26 10 月 inal Examination Paper 1 and Paper 2 types of 2学期/2nd questions, practical work 12 月

3世型/3rd semester 3rd semester 3 月