都立国際高校 年間授業計画/Tokyo Metropolitan Kokusai High School Course Syllabus

| | 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 | 国際学科国際バカロレアコース/IBDP(International Baccalaureate Diploma Programme) | | | | | | | |
| | | 教科/Subject | Science | | | | | | | |
| - | | 科目/Course Title | DP Biology Higher Level (HL) | | | | | | | |
| | | 学年・クラス/Year・Class | 2 (IBDP 1st Year) | | | | | | | |
| - | | 単位数/credits | | | | | | | | |
| - | | 科目板要情報/Course description Biology is the study of nature in the scale of living organisms. DP Biology aims to develop the understanding of the biology contbents and also develop skills and techniqu | | | | | | | | |
| | | 講座概要/Course description | that are necessary for scientific investigations in university level. | | | | | | | |
| | | 到達目標/Course objectives | 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 s * 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 | | | | | | | |
| - | | | Paper 1: 40 multiple-choice | | | | | | | |
| 評価方法と評価基準/ Evaluation method and criteria | | | 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 | | | | | | | |
| - | | 教科書/Textbooks | Biology (2014 Edition) by David Homer and Michael Bowen-Jones | | | | | | | |
| | | 校外学習/Field trip | | | | | | | | |
| | | 1 | 授集計画/Course schedule | | | | | | | |
| | | 指導項目/Topic | 指導內容/Contents | 評価の方法・基準/Evaluation method and criteria | 予定時数/ Alotted hours | | | | | |
| - | 4 | Plant Biology | Transport in the xylem of plants | | 14 | | | | | |
| | 月 | | | | | | | | | |
| | | | Transport in the phloem of plants | | 28 | | | | | |
| | | | Growth in plants | | | | | | | |
| | 5 | | | | | | | | | |
| | 月 | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| - | | Metabolism, cell respiration and | Reproduction in plants Metabolism | | 30 | | | | | |
| /1st semester | | photosynthesis | | | | | | | | |
| | | | | | | | | | | |
| 期/1: | 6 | | | | | | | | | |
| 1学期 | 月 | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | Cell respiration | | 16 | | | | | |
| | 1 | | | | | | | | | |
| | 7 | | | | | | | | | |
| | 月 | | | | | | | | | |
| | | | | | | | | | | |
| | | | Photosynthesis | | 20 | | | | | |
| | | Nucleic Acids | DNA structure and replication | | | | | | | |
| | 9 月 | | | | | | | | | |
| | | | | | | | | | | |
| | L | | Transmission and some summarian | | | | | | | |
| | | | Transcription and gene expression Translation | | 32 | | | | | |
| | | | | | | | | | | |
| | 10 | | | | | | | | | |
| | 月 | | | | | | | | | |
| ster | | | | | | | | | | |
| 2学期/2nd semester | | | | | | | | | | |
| | <u> </u> | Genetic and evolution | Meiosis | Assignments, Class Activity, Tests, | 32 | | | | | |
| | | | Inheritance Gene pools and speciation | Lab Report | | | | | | |
| | | | | | | | | | | |
| | 1 1 | | | | | | | | | |
| | 11 月 | | | | | | | | | |
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| | 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 |
|-------------------------|-------------------|--|---|------------------------|
| 12 月 | Animal physiology | Antibody production and vaccination | Assignments, Class Activity, Tests, Lab Report | 10 |
| mester 1 月 | | Movement The kidney and osmoregulation | | 18 |
| 3学期/3rd semester 目 7 | | Sexual reproduction Experiments and preparation for IA. | | 24 |
| 3 月 | Revision | Revision | Past examinations | 10 |

総授業時数/Total hours

234