

School H**Basic Information (2009/10):**

- 4 classes in S4
- 4 blocks of elective subjects
- Students may take 3 or 4 elective subjects
- EMI school

Subjects Offered in S4(2009/10): (14 subjects)

Biology, Chemistry, Physics, Combined Science (Chem+Bio), 中國歷史, Economics, ERS, Geography, History, BAFS, ICT, *Music, 視藝, PE

*Students will be participated in the Schools Collaboration Scheme of Music Training for Senior Secondary Students

S3 students' preferences, Maximum no. of group size and No. of Groups:

| Subject | Max Size | No. of Groups | NOR* | 1 | 2 | 3 | 4 | 5 | 6 | Total |
|---------|----------|---------------|------|----|----|----|----|----|----|-------|
| BIO | 32 | 2 | 69 | 18 | 26 | 23 | 18 | 11 | 7 | 103 |
| CHEM | 42 | 2 | 93 | 47 | 33 | 13 | 3 | 6 | 4 | 106 |
| PHY | 42 | 2 | 88 | 48 | 27 | 13 | 8 | 4 | 11 | 111 |
| C&B | 30 | 1 | 20 | 4 | 9 | 7 | 16 | 16 | 9 | 61 |
| 中史 | 30 | 1 | 11 | 0 | 2 | 9 | 2 | 15 | 8 | 36 |
| ECON | 41 | 2 | 76 | 12 | 26 | 32 | 26 | 15 | 9 | 120 |
| ERS | 30 | 1 | 4 | 0 | 0 | 1 | 3 | 4 | 5 | 13 |
| GEO | 30 | 1 | 17 | 1 | 4 | 11 | 9 | 24 | 26 | 75 |
| HIST | 30 | 1 | 7 | 0 | 1 | 4 | 10 | 11 | 17 | 43 |
| BAFS | 40 | 2 | 67 | 18 | 16 | 24 | 25 | 21 | 11 | 115 |
| ICT | 30 | 2 | 18 | 0 | 4 | 8 | 15 | 15 | 23 | 65 |
| MUS | 3 | 1 | 2 | 1 | 0 | 0 | 1 | 1 | 6 | 9 |
| 視藝 | 8 | 1 | 7 | 0 | 1 | 3 | 3 | 0 | 3 | 10 |
| PE | 16 | 1 | 7 | 0 | 0 | 1 | 8 | 4 | 7 | 20 |

* NOR - Number of Requests according to the number of electives students need to take

Time Blocks in S4 (2009/10):

| | 4A | 4B | 4C | 4D |
|-------------|--|-------|--------|--------|
| Block 1 (4) | CHEM_1 | PHY_1 | ECON_1 | BAFS_1 |
| Block 2 (6) | BIO_1 / CHEM_2 / Com Sci (C&B) / HIST / BAFS_2 / ICT_1 | | | |
| Block 3 (6) | BIO_2 / PHY_2 / 中史 / ECON_2 / GEOG / ICT_2 | | | |
| Block 4 (4) | ERS / MUS / VA / PE | | | |

SOP – Example 8

| Subject Group | Block 1 | Block 2 | Block 3 | Block 4 |
|---|--------------|--------------|--------------|---------|
| Biology - BIO Group 1 | | BIO Group 1 | | |
| Biology - BIO Group 2 | | | BIO Group 2 | |
| Chemistry - CHEM Group 1 | CHEM Group 1 | | | |
| Chemistry - CHEM Group 2 | | CHEM Group 2 | | |
| Physics - PHY Group 1 | PHY Group 1 | | | |
| Physics - PHY Group 2 | | | PHY Group 2 | |
| Science: Combined Science (Biology and Chemistry) - C&B | | C&B | | |
| 中國歷史 - 中史 | | | 中史 | |
| Economics - ECON Group 1 | ECON Group 1 | | | |
| Economics - ECON Group 2 | | | ECON Group 2 | |
| Ethics and Religious Studies - ERS | | | | ERS |
| Geography - GEO | | | GEO | |
| History - HIST | | HIST | | |
| Business, Accounting and Financial Studies - BAFS Group 1 | BAFS Group 1 | | | |
| Business, Accounting and Financial Studies - BAFS Group 2 | | BAFS Group 2 | | |
| Information and Communication Technology - ICT Group 1 | | ICT Group 1 | | |
| Information and Communication Technology - ICT Group 2 | | | ICT Group 2 | |
| Music - MUS | | | | MUS |
| Visual Arts - VA | | | | VA |
| Physical Education - PE | | | | PE |

Time Block with Satisfaction Rate (2009/10):

Subjects were allocated to all students by using ‘Choice 3’ (i.e. all the choices of each student would be allocated in one iteration) and 'Block 1' is set as the ‘Compulsory Block’.

Allocation Results

Time Block Allocation

| Subject Group | Block 1 | Block 2 | Block 3 | Block 4 |
|---------------|------------------------|------------------------|------------------------|-------------|
| BIO Group 1 | | BIO Group 1 (0/32) | | |
| BIO Group 2 | | | BIO Group 2 (0/32) | |
| CHEM Group 1 | CHEM Group 1 (3/42) | | | |
| CHEM Group 2 | | CHEM Group 2 (0/42) | | |
| PHY Group 1 | PHY Group 1 (2/42) | | | |
| PHY Group 2 | | | PHY Group 2 (0/42) | |
| C&B | | C&B (1/30) | | |
| 中史 | | | 中史 (13/30) | |
| ECON Group 1 | ECON Group 1 (2/41) | | | |
| ECON Group 2 | | | ECON Group 2 (0/41) | |
| ERS | | | | ERS (18/30) |
| GEO | | | GEO (10/30) | |
| HIST | | HIST (19/30) | | |
| BAFS Group 1 | BAFS Group 1 (8/40) | | | |
| BAFS Group 2 | | BAFS Group 2 (0/40) | | |
| ICT Group 1 | | ICT Group 1 (22/30) | | |
| ICT Group 2 | | | ICT Group 2 (15/30) | |

SOP – Example 8

| | | | | |
|--------------------------------|---------|---------|---------|-----------|
| MUS | | | | MUS (0/3) |
| 視藝 | | | | 視藝 (0/8) |
| PE | | | | PE (0/16) |
| Allocated Seats/No. of Student | 150/170 | 162/170 | 167/170 | 39/170 |

* (Vacancies/Capacity)

Satisfaction Rate

| Preference | Assigned | Not Assigned | % |
|---|----------|--------------|--------|
| 1 | 139 | 10 | 93.29% |
| 2 | 121 | 28 | 81.21% |
| 3 | 121 | 28 | 81.21% |
| 4 | 37 | 110 | 25.17% |
| 5 | 30 | 117 | 20.41% |
| 6 | 18 | 128 | 12.33% |
| Number of Subjects Assigned | 518 | | |
| Number of Student Options of the Top 4 Priority | 529 | | |
| Number of Student Options Entered | 887 | | |
| Overall Allocated Rate | 97.92% | | |
| Overall Satisfaction Rate | 82.77% | | |

School's Considerations:

Class arrangement

- Subjects in Block 1 are used to arrange students into classes.

Subject choices

- Students should select one subject from Block 1 and two to three subjects from Block 2 to Block 4.

Lesson arrangement

- Lessons of Block 4 subjects are arranged after school or on Saturday.
- Students study 3 electives and are allocated with a subject in Block 4, they will have free lessons in either Block 2 or Block 3.

Group size

- Group size of all subjects in Block 1 is limited to 40.
- Other than Music, Visual Arts and PE, class size of all subjects in Block 2 to Block 4 is limited to 30.
- The group sizes of Music, Visual Arts and PE are limited to 3, 8 and 16 respectively.
- Since SOP does not allow setting different group sizes for the same subject, 20 virtual students are created to limit the group size of subjects Chemistry, Physics, BAFS and Economics in Block 2 and Block 3 to 30.

Subject allocation

- Chemistry and Physics or BAFS & Economics are manually assigned to those virtual students at the before generating allocation result. This is to reduce group size of these subjects to 30 in

