

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

- 4 classes in S4
- 3 blocks of elective subjects
- All students take 3 elective subjects
- CMI school

**Subjects Offered in S4 (2009/10):** (13 subjects)

生物、化學、物理、組合科學(生物+化學)、組合科學(物理+生物)、中國歷史、經濟、地理、旅遊與款待、企業、會計與財務概論、設計與應用科技、資訊及通訊科技、視覺藝術

**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	7	8	9	10	11	12	13	14	Total
生物	40	1	33	10	10	11	22	11	13	6	14	17	7	0	0	0	0	121
化學	40	1	65	56	12	9	10	18	23	15	14	14	32	0	0	0	0	203
物理	40	1	43	23	8	17	17	14	9	13	12	7	7	0	0	0	0	127
生化	40	1	17	10	6	9	10	10	5	10	7	7	5	0	0	0	1	80
物生	40	1	17	13	4	2	8	9	8	10	6	4	5	0	0	1	0	70
中史	40	1	16	6	2	6	13	9	12	9	11	6	11	0	0	0	0	85
經濟	40	2	71	19	25	33	23	9	10	10	11	6	3	0	0	0	0	149
地理	40	1	25	2	10	17	18	12	17	20	12	11	2	0	0	0	0	121
旅遊	40	1	42	22	13	7	10	7	11	8	7	28	34	1	0	0	0	148
企業	40	1	62	24	33	11	10	13	9	11	15	13	10	0	0	0	0	149
BAFS	40	1	33	5	25	14	6	11	10	12	6	11	7	0	0	0	0	107
設計	40	1	1	0	0	1	4	5	4	9	11	7	3	0	0	0	0	44
資訊	40	1	14	0	5	10	2	19	13	14	14	7	12	0	0	0	0	96
視藝	40	1	8	2	2	4	1	3	9	6	13	12	12	0	1	0	0	65

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

**Remark:**

企業 - 企業、會計與財務概論(商業管理單元)

BAFS - 企業、會計與財務概論(會計單元).

**Time Blocks in S4 (2009/10):**

Time blocks are generated with a view to maximising students' satisfaction according to their preferences.

	4A	4B	4C	4D
Block 1 (4)	化學	經濟_1	旅遊	企業
Block 2 (5)	生物 / 生化 / 地理 / BAFS / 資訊			
Block 3 (6)	物理 / 物生 / 中史 / 經濟_2 / 設計 / 視藝			

Subject Group	Block 1	Block 2	Block 3
生物 - 生物		生物	
化學 - 化學	化學		
物理 - 物理			物理
科學：組合科學 (生物及化學) - 生化		生化	
科學：組合科學 (物理及生物) - 物生			物生
中國歷史 - 中史			中史
經濟 - 經濟組別 1	經濟組別 1		
經濟 - 經濟組別 2			經濟組別 2
地理 - 地理		地理	
旅遊與款待 - 旅遊	旅遊		
企業、會計與財務概論 - 企業	企業		
Business, Accounting and Financial Studies - BAFS		BAFS	
設計與應用科技 - 設計			設計
資訊及通訊科技 - 資訊		資訊	
視覺藝術 - 視藝			視藝

**Time Block with Satisfaction Rate (2009/10):**

1<sup>st</sup> Trial: Subjects were allocated to all students by using 'Choice 1' (i.e. one of each student's choices will be fulfilled in each iteration).

**Allocation Results**

Subject Group	Block 1	Block 2	Block 3
生物		生物 (9/40)	
化學	化學 (0/40)		
物理			物理 (0/40)
生化		生化 (13/40)	
物生			物生 (17/40)
中史			中史 (17/40)
經濟組別 1	經濟組別 1 (6/40)		
經濟組別 2			經濟組別 2 (0/40)
地理		地理 (6/40)	
旅遊	旅遊 (5/40)		
企業	企業 (0/40)		
BAFS		BAFS (1/40)	
設計			設計 (38/40)
資訊		資訊 (22/40)	
視藝			視藝 (21/40)
Allocated Seats/No. of Student	149/150	149/150	147/150

\* (Vacancies/Capacity)

Preference	Assigned	Not Assigned	%
1	136	13	91.28%
2	115	34	77.18%
3	72	77	48.32%
4	40	109	26.85%
5	28	121	18.79%
6	28	121	18.79%
7	21	128	14.09%
8	15	134	10.07%
9	8	141	5.37%
10	8	140	5.41%
11	0	1	0.00%
12	0	1	0.00%
13	0	1	0.00%
14	0	1	0.00%
Number of Subjects Assigned	445		
Number of Student Options of the Top 3 Priority	450		
Number of Student Options Entered	1493		
Overall Allocated Rate	98.89%		
Overall Satisfaction Rate	77.63%		

2<sup>nd</sup> Trial: Subjects were allocated to the top 40 students by using ‘Choice 3’ and the remaining students by using ‘Choice 1’.

### Allocation Results

#### Time Block Allocation

Subject Group	Block 1	Block 2	Block 3
生物		生物 (8/40)	
化學	化學 (0/40)		
物理			物理 (0/40)
生化		生化 (13/40)	
物生			物生 (20/40)
中史			中史 (15/40)
經濟 組別 1	經濟 組別 1 (8/40)		
經濟 組別 2			經濟 組別 2 (0/40)
地理		地理 (7/40)	
旅遊	旅遊 (3/40)		
企業	企業 (0/40)		
BAFS		BAFS (1/40)	
設計			設計 (38/40)
資訊		資訊 (22/40)	
視藝			視藝 (21/40)
Allocated Seats/No. of Student	149/150	149/150	146/150

\* (Vacancies/Capacity)

Preference	Assigned	Not Assigned	%
1	134	15	89.93%
2	115	34	77.18%
3	73	76	48.99%
4	43	106	28.86%
5	29	120	19.46%
6	29	120	19.46%
7	18	131	12.08%
8	14	135	9.40%
9	8	141	5.37%
10	7	141	4.73%
11	0	1	0.00%
12	0	1	0.00%
13	0	1	0.00%
14	0	1	0.00%
Number of Subjects Assigned	444		
Number of Student Options of the Top 3 Priority	450		
Number of Student Options Entered	1493		
Overall Allocated Rate	98.67%		
Overall Satisfaction Rate	78.30%		

#### ***Suggested Examination Timetable for elective subjects:***

Based on the aforesaid ***Time Blocks in S4 (2009/10)***, a minimum of 6 days is suggested for the examination time-table of elective subjects.

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
<ul style="list-style-type: none"> <li>• 化學</li> <li>• 旅遊</li> </ul>	<ul style="list-style-type: none"> <li>• 經濟</li> </ul>	<ul style="list-style-type: none"> <li>• 生物</li> <li>• 地理</li> <li>• 資訊</li> </ul>	<ul style="list-style-type: none"> <li>• 企業</li> </ul>	<ul style="list-style-type: none"> <li>• 組合科學</li> </ul>	<ul style="list-style-type: none"> <li>• 物理</li> <li>• 中史</li> <li>• 設計</li> <li>• 視藝</li> </ul>

#### ***School's Considerations:***

##### Class arrangement

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

##### Subjects offered

- Since only 2 students are allocated the subject ‘設計與應用科技’ , the school is considering not offering this subject in 2009/10.

##### Subject allocation

- The school uses ‘Choice 1’ to allocate subjects to students in the 1<sup>st</sup> Trial hoping that every student can have their first option satisfied. The results show that some of the top-ranking students could not have their first three options satisfied.

SOP – Example 1

- In the 2<sup>nd</sup> Trial, ‘partial allocation’ is adopted. The top 40 students are first allocated with ‘Choice 3’. The remaining students are then allocated with ‘Choice 1’. The results show that there was no significant difference between the two trials in the overall satisfaction rate, but the satisfaction rate for the top 40 students is higher in the 2<sup>nd</sup> Trial. The school has to decide on which method of subject allocation will be used.

(Updated as at 15 June 2009)