Briefing on Sec 2 Streaming

Friday
4 March 2016
# Programme

<table>
<thead>
<tr>
<th>Time</th>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.15 pm</td>
<td>Registration</td>
</tr>
<tr>
<td>6.30 pm</td>
<td>Principal’s Address</td>
</tr>
<tr>
<td>6.40 pm</td>
<td>Sec 1 Prize Giving Ceremony</td>
</tr>
<tr>
<td>7.00 pm</td>
<td>Tea Break</td>
</tr>
<tr>
<td>7.00 pm</td>
<td>2E/NA (School Hall)</td>
</tr>
<tr>
<td>7.15 pm</td>
<td>2NT (i-Space)</td>
</tr>
<tr>
<td>7.15 pm</td>
<td>Polytechnic Education Talk by Nanyang Polytechnic</td>
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<tr>
<td>7.45 pm</td>
<td>Briefing on Sec 2 Streaming</td>
</tr>
<tr>
<td>8.30 pm</td>
<td>Q&amp;A</td>
</tr>
<tr>
<td>8.45 pm</td>
<td>End of Briefing</td>
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</tbody>
</table>
Sec 2 Streaming

- Post Secondary Education
- Promotion Criteria
- Subject Combinations 2017
- Streaming Process
Post Secondary Education

INTEGRITY
I have the moral courage to always do what is right.

CARE
I want to make the world a better place.
“A” Levels
Entry Requirements

**JC**
- L1 + R5 ≤ 20 pts
- Plus
  - EL ≤ C6
  - Math, MT ≤ D7 or a pass for syllabus B
- R5 must include
  - Humanities
  - Math / Science

**MI**
- L1 + R4 ≤ 20 pts
- Plus
  - EL ≤ C6
  - Math, MT ≤ D7
- R4 must include
  - 2 from H / M / S
  - (CCA may be used)
<table>
<thead>
<tr>
<th>L1</th>
<th>First Language</th>
<th>English/ Higher Mother Tongue</th>
</tr>
</thead>
<tbody>
<tr>
<td>R5</td>
<td>Relevant Subject 1</td>
<td>Humanities/ Higher Art/ Higher Music</td>
</tr>
<tr>
<td>R5</td>
<td>Relevant Subject 2</td>
<td>Mathematics/ Science</td>
</tr>
<tr>
<td>R5</td>
<td>Relevant Subject 3</td>
<td>Humanities/ Higher Art/ Higher Music/ Mathematics/ Science</td>
</tr>
<tr>
<td>R5</td>
<td>Relevant Subject 4</td>
<td>Any GCE 'O' Level subjects</td>
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<tr>
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<td>(except Religious Knowledge and CCA)</td>
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<td>Relevant Subject 5</td>
<td>Any GCE 'O' Level subjects</td>
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<td>(except Religious Knowledge and CCA)</td>
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<td>L1</td>
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<tr>
<td>----</td>
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</tr>
<tr>
<td>R4</td>
<td>Relevant Subject 1</td>
<td>-</td>
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<tr>
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<td>Relevant Subject 2</td>
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<td></td>
<td>Relevant Subject 3</td>
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<tr>
<td></td>
<td>Relevant Subject 4</td>
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</tr>
</tbody>
</table>
3-Level Subject Structure

- **H1**: Half of H2 in terms of curriculum time
- **H2**: Equivalent to ‘A’ Level
- **H3**:
  - For students with exceptional abilities in the subject
  - could be advanced content, research project, university module, etc
H1 Subjects

Maths & Science Group
1. Mathematics
2. Chemistry
3. Physics
4. Biology

Humanities & Arts Group
1. Economics
2. Geography
3. History
4. Literature in English
5. Art
6. China Studies
H2 content-based subjects

**Maths & Science Group**
1. Mathematics
2. Biology
3. Chemistry
4. Physics
5. Computing
6. Principles of Accounting

**Humanities & Arts Group**
1. Economics
2. Geography
3. History
4. Literature in English
5. Theatre studies & drama
6. Art
7. Music
8. Management of business
9. French
10. German
11. Japanese
12. Mother Tongue Language

**Diligence**
I work hard to achieve my goals.

**Discipline**
I respect rules and behave responsibly.
Polytechnic Education

• Practice-based learning
• Emphasis on Lifeskills
  – Communication
  – Problem-solving
• Lecturers who have industry experience
• Relevant to career & industry
• Opportunities for further development in studies & career
Polytechnic Courses

• Technology
  – Communication & Telecommunications
  – Electrical & Electronics
  – Maritime & Shipbuilding
  – Mechanical & Mechatronics
  – Building-related
  – Chemical-related
  – Info-tech

• Non-Technology
  – Business, Finance & Law
  – Community Services Mgt
  – Health Sciences
  – Tourism & Hospitality
  – Design
Entry requirements

- **EL + 2 Relevant Subjects (R2) + 2 Best Subjects (B2) ≤ 26**
  - Technology Courses R2
    - Math ≤ C6
    - Science ≤ C6
  - Non-Technology Courses R2
    - Math ≤ C6
    - Humanities ≤ C6
- Cannot include CCA in ELR2B2
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<tr>
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<tr>
<td>EL</td>
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<tr>
<td>ELR2</td>
<td>Elementary Mathematics</td>
<td>Additional Mathematics</td>
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<tr>
<td>B2</td>
<td>Best 2 other subjects excluding CCA</td>
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</table>
CCA Bonus Points

• For admission to JCs/Polys/ITE
• Students with an 'A' grade in CCA enjoy 2 bonus points, while those with a 'B' or 'C' grade enjoy 1 bonus point.
• Cannot be used to meet minimum entry requirement.
<table>
<thead>
<tr>
<th>S/No</th>
<th>Junior College</th>
<th>Arts Course Code</th>
<th>Arts Net L1R5</th>
<th>Science Course Code</th>
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<tr>
<td>1</td>
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<td>22S</td>
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<td>25S</td>
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## Computation of L1R5

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<th>Subject</th>
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<tr>
<td>English Language</td>
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<td>L1</td>
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<tr>
<td>Combined Humanities (SS/Geog)</td>
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<tr>
<td>Mathematics</td>
<td>2</td>
<td>R1</td>
</tr>
<tr>
<td>Science (Phy / Chem)</td>
<td>3</td>
<td>R2</td>
</tr>
<tr>
<td>Accounts</td>
<td>4</td>
<td>R3</td>
</tr>
<tr>
<td>Design &amp; Technology</td>
<td>4</td>
<td>R4</td>
</tr>
<tr>
<td>Chinese as 2\textsuperscript{nd} Language</td>
<td>2</td>
<td>R5</td>
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Eligible for Innova and Yishun JC
(with 2 bonus points)

18
<table>
<thead>
<tr>
<th>Courses by Group</th>
<th>Poly</th>
<th>Course Code</th>
<th>2014 JAE COP</th>
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<tbody>
<tr>
<td><strong>A. APPLIED SCIENCES</strong></td>
<td></td>
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<tr>
<td>Applied Chemistry with Pharmaceutical Science</td>
<td>SP</td>
<td>S64</td>
<td>11</td>
</tr>
<tr>
<td>Applied Food Science &amp; Nutrition</td>
<td>TP</td>
<td>T26</td>
<td>18</td>
</tr>
<tr>
<td>Baking &amp; Culinary Science</td>
<td>TP</td>
<td>T44</td>
<td>15</td>
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<tr>
<td><strong>B. BUILT ENVIRONMENT</strong></td>
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<tr>
<td>Architecture</td>
<td>SP</td>
<td>S66</td>
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<tr>
<td>Civil Engineering with Business</td>
<td>SP</td>
<td>S68</td>
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<tr>
<td>Environmental &amp; Water Technology</td>
<td>NP</td>
<td>N74</td>
<td>16</td>
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<tr>
<td><strong>C. BUSINESS &amp; MANAGEMENT</strong></td>
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<tr>
<td>Accountancy</td>
<td>NP</td>
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<td>Accountancy &amp; Finance</td>
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<td>Accounting &amp; Finance</td>
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</table>

http://www.polytechnic.edu.sg/polyguide/JAE.html
Computation of ELR2B2

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<tbody>
<tr>
<td>English Language</td>
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<td>Mathematics</td>
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<tr>
<td>Additional Maths</td>
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<tr>
<td>Science (Phy/Chem)</td>
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<td></td>
<td></td>
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<tr>
<td>Design &amp; Technology</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chinese as 2nd Lang</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Eligible for Civil Engineering (SP) & Environment Engineering (NP) (with 2 bonus points).

Not eligible for Architecture (NP) or Accountancy (SP & NP).
## Admission Exercises

<table>
<thead>
<tr>
<th>Admission Exercise</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Direct Polytechnic Admission (DPA)</strong></td>
<td>Final year secondary school students can apply for a place in SP even before sitting for their GCE 'O' Level exams.</td>
</tr>
<tr>
<td><strong>Joint Admissions Exercise (JAE)</strong></td>
<td>Open to GCE 'O' level holders, JAE begins the same day as the release of the GCE &quot;O&quot; Level results.</td>
</tr>
<tr>
<td><strong>Joint Polytechnic Special Admissions Exercise (JPSAE)</strong></td>
<td>Open to GCE 'O' level holders with special aptitude and talents for admission, and who are eligible to participate in the JAE.</td>
</tr>
</tbody>
</table>
New Pathways for N(A) Students
Pathway: Polytechnic Foundation Programme (PFP)

- Caters to top 10% of Sec 4N(A) students
- Commenced with 1200 places in 2013
- More than 70% of Poly Diploma courses will be offered
Eligibility Criteria

- ELMAB3 (English + Math + Best 3 subjects) ≤ 11 (excluding CCA pts) and
  - EL ≤ 3 & MA ≤ 3 (for 75% of courses e.g. Applied Sciences, Engineering, Information & Digital, selected Business & Management and selected Media & Design courses)
  - EL ≤ 2 & MA ≤ 3 (for 25% of courses, e.g. Business & Management, Media & Design, Humanities and Outdoor & Adventure Learning courses)
- Subjects included for B3 must be Grade 3 or better
Progression to Polytechnics

- Students who pass all modules in Foundation Prog (FP) and hence successfully completed FP will be admitted into first year of pre-selected poly courses
GCE ‘O’ Level Exams

2 years JC/3 years CI
3 years NAFA/Lasalle

2 years ITE Higher NITEC
2 years ITE NITEC

3 years Polytechnic

GCE ‘N’ Level Exams

Express
Normal (A)
Normal (T)

Universities

2 years poly

2 years ITE Direct Entry Scheme to Higher NITEC

3 years Polytechnic

1 year Foundation Programme
Pathway: Direct Entry Scheme to Polytechnic Programme (DPP)

- DPP to Poly builds on ITE Direct Entry Scheme (DES) introduced in 2008
- Caters to top 10th percentile to 30th percentile of 4N(A) cohort from 2012, doubling the number of places to 1000
- Students who meet the qualifying GPA in Higher Nitec prog will be assured of either a first year or second year place in related Poly Diploma course
Eligibility Criteria

• ELMAB3 ≤ 19 (excluding CCA pts) and
  – EL ≤ 4 & MA ≤4 (for Applied Sciences, Engineering, Info-communications Technology Higher Nitec DES prog)
  – EL ≤ 3 & MA ≤4 (for Business & Services Higher Nitec DES prog)
Progression to Polytechnics

To be assured of place in Poly Diploma course related to Higher Nitec DES prog, the following GPA criteria must be met:

Applied Sciences, Engineering or Info-communications technology Higher Nitec DES prog

- ITE raw GPA of 2.5 pts (excluding CCA bonus pts) – 1st year place
- ITE raw GPA of 3.5 pts (excluding CCA bonus pts) – 2nd year place

Business & Services Higher Nitec DES prog

- ITE raw GPA of 3.0 pts (excluding CCA bonus pts) – 1st year place

CCA bonus pts used for computing the ITE net GPA for selection & posting to Poly Diploma Course
PFP & DPP

• Although PFP & DPP were meant for the top 30% of the cohort, more than 80% of our students actually qualified for them during the past 3 years.
Promotion Criteria
Sec 2 Normal (Academic) to Sec 3 Normal (Academic)

Pass in:

a) EL and 2 other subjects
or
b) 4 subjects
CRITERIA FOR PROMOTION FOR SEC 2 N(A)

Sec 2 N(A)

- Pass in EL and 2 other subjects
- Pass in 4 subjects

70% or higher in the average of all subjects

Sec 3 Express
Sec 3 Normal

Repeat
Promotion Criteria
from Sec 4N(A) to Sec 5N(A)

EL ≤ 5
Math ≤ 5
EL+Math+B3 ≤ 19
Sec 2 Express to Sec 3 Express

- Pass in EL and
- A pass percentage in the average for all subjects
CRITERIA FOR PROMOTION FOR SEC 2 EXPRESS

Sec 2 Express

- Pass in EL and
- Pass percentage in average for all subjects

YES  →  Sec 3 Express

NO   →  Sec 3 N(A)
Subject
Combinations for 2017
Normal (Academic) Stream
Compulsory Subjects for Secondary 3 N (A)

- English Language
- Mother Tongue Language
- Elementary Mathematics
- Combined Humanities
- Science
Combined Humanities

- Social Studies with Geography
- Social Studies with History
SCIENCE

• Sc (Physics/Chemistry)
• Sc (Physics/Biology)
Other Subjects

- Art*
- Design & Technology*
- Food & Nutrition*
- Principles of Accounts

* Includes a coursework component
<table>
<thead>
<tr>
<th>Option Code</th>
<th>English</th>
<th>Mother Tongue</th>
<th>SS/Geog or SS/SS</th>
<th>Mathematics</th>
<th>Art</th>
<th>Food &amp; Nutrition</th>
<th>Design &amp; Technology</th>
<th>O Level Sc(Phy/Chem)</th>
<th>O Level Maths</th>
<th>Additional Mathematics (NA)</th>
<th>O Level Maths</th>
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</table>
“O” Level Subjects

School may offer ‘NA’ students who excel the opportunity to take the following subjects at ‘O’ Level:

• Mother Tongue Language
• Elementary Mathematics
• Science (Physics/Chemistry)

Subjects will only be offered only if there is sufficient demand.

Those who fail the subjects at Sec 3 will be asked to switch to the same subjects at ‘NA’ Level.
“NA” Additional Mathematics

• Offered as a 7th subject to selected “NA” students who have done well in Mathematics (Option N6).

• Selected students must also take “O” Level Mathematics AND “O” Level Science (Phy/Chem)

• Some of the lessons will be conducted in the afternoons.
Express Stream
Compulsory Subjects for Secondary 3 Express

- English Language
- Mother Tongue Language
- Elementary Mathematics
- Combined Humanities
- 1 Science Subject
Combined Humanities

- Social Studies with Geography
- Social Studies with History
- Social Studies with Literature
SCIENCE

- Sc (Phy/Chem)
- Pure Physics*
- Pure Chemistry*
- Pure Biology*

* There will be a revised syllabus next year.
Other Subjects

- Geography
- Additional Mathematics
- Principles of Accounts
- Design & Technology*
- Art*

* Includes a coursework component
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Options E11 and E12 (8 subjects) are only offered to those who have achieved good overall academic results. In addition, students must also have obtained good results in Maths and Science.

Additional Mathematics is only offered to those who have done well in Mathematics.

Depending on demand, some options may not be offered. In general, an option will only be offered if more than 15 students opted and met the qualifications for it.
Streaming Process
Streaming depends on:

- Number of places available in each subject combination
- Your options
- Specific additional criteria
Streaming is based on MERIT!
Your overall results matters!

Overall Mark = CA1 (15%) + SA1 (25%) 
+ CA2 (15%) + SA2 (45%)
Streaming Exercise

• An On-line Streaming Survey will be conducted after Mid-Year exams to gauge interest in different options

• Actual Streaming Exercise will be conducted in after EOY Exams in Term 4. Again, it will be done On-line.

• Make use of all your options

• Results of Streaming will be released in early November (during school holidays)
Points to Note

- There is no best combination for all students.
- When choosing the options, do consider the following factors:
  - Career Aspirations
  - Interest
  - Aptitude
  - Ability
If I am unsuccessful in first choice subject combination, how does it affect my chances of getting the second choice?

It does NOT affect your chances of getting into your second choice. Streaming is based on merit – the best students get streamed into their choice of subject combination first.
I am interested in studying Medicine. Is triple science compulsory?

• To be eligible for Medicine, candidates must have done Chemistry at ‘H2’ level and either Biology or Physics in addition to Chemistry. The ‘triple science’ combination is no longer required for Medicine, and candidates who present the ‘triple science’ have no advantage in the admissions process. (NUS website)
I am interested in studying an Engineering Course in the University. Is Physics compulsory?

Physics is important in all engineering programs.
I am interested in studying a life science course in the Polytechnic? Is Biology compulsory?

Any Science subject will do.
Useful Websites

- www.tp.edu.sg
- www.sp.edu.sg
- www.np.edu.sg
- www.nyp.edu.sg
- www,rp.edu.sg
- www.nus.edu.sg
- www.ntu.edu.sg

Briefing slides will be uploaded into the school website by next week.
Thank You