



# Sec 2 Parents' Briefing

29 January 2016



Details	Speaker
Introduction	Principal
Briefing on Applied Subjects	Ngee Ann Polytechnic Academic Staff, SST Academic Staff
Q & A on Applied Subjects	
Address by Principal	Principal
Q & A	



# Sec 2 Form Teachers

Class	Form and Co-Form Teachers
S2-01	Desmond Peh
S2-02	Ng Li Ping
S2-03	Yeo Chuen Chuen
S2-04	Azizah Bte Ahmad
S2-05	Wong Ho Yan
S2-06	Teng Juin Yan
S2-07	Margaret Helen Brown
S2-08	Christine Lam



# Student Support

Name	Designation
Mr Tan Chuan Leong	Head of Year 2
Ms Karen Ann Sciberras	School Counsellor
Ms Doreen Tan	Head of Department (Student Development)
Mr Lim Ming Yang	Subject Head (Student Development)



# Course of Study

## Lower Secondary

- Language Arts
- Science
- Mathematics
- (Higher) Mother Tongue Language (MTL)
- Integrated Humanities
- Art, Design, Media & Technology (ADMT)
- Interdisciplinary Research Studies
- Infocomm Tech (ICT)
- Innovation & Entrepreneurship (I&E)

## Upper Secondary

- English Language
- (Higher) Mother Tongue Language (MTL)
- 2-3 Pure Sciences (choice)
  - Biology
  - Chemistry
  - Physics
- Mathematics
- Additional Mathematics
- Combined Humanities (Social Studies + History/Geography)
- Applied Subjects
  - Biotechnology
  - Design Studies
  - Electronics
  - Computing



# Briefing on Applied Subjects

Ngee Ann Polytechnic Academic Staff

SST Academic Staff



# Biotechnology

Dr Timothy Tan



# Design Studies

Mr Jason Hoo





# Electronics

Ms Karen Teo



# Computing

Mr Dean Ang





# Address by Principal

Briefing to Parents of Secondary 2  
Students

29 January 2016



Sharing on Sec 2 students' perception

Journey from Sec 2 to Sec 3

How you can partner SST in your child's journey



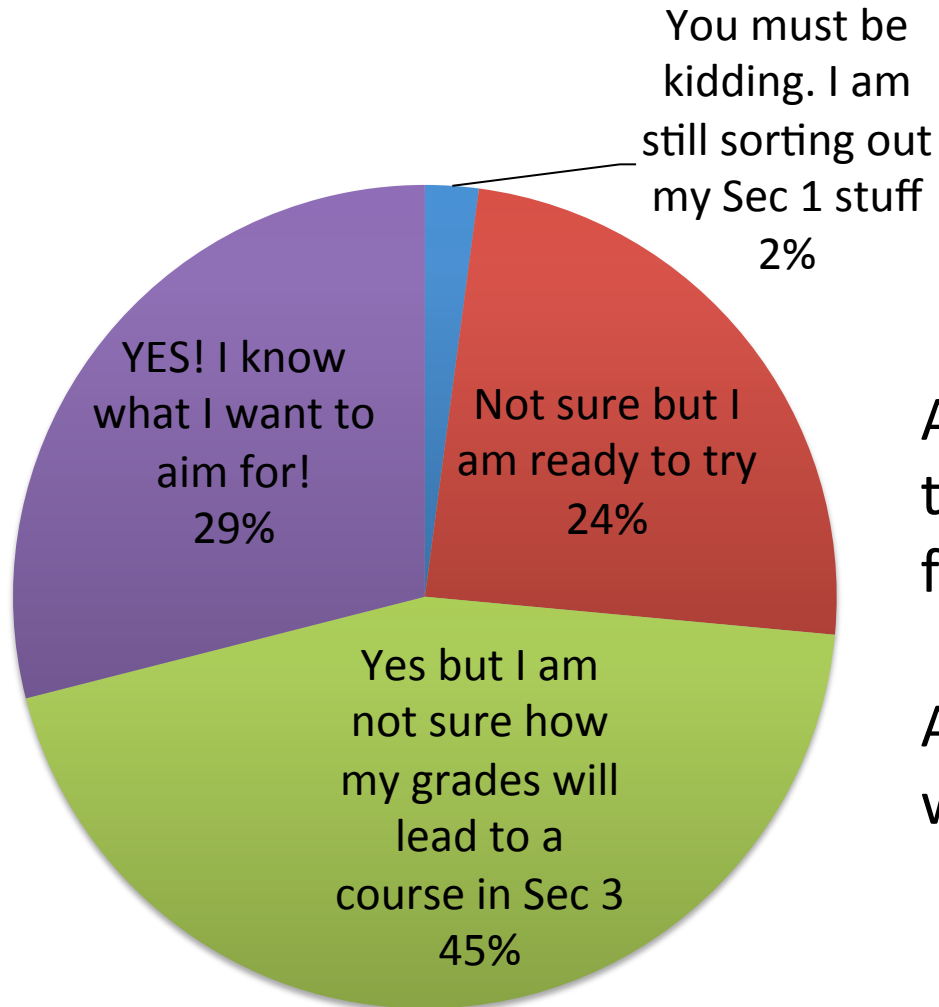
# Sharing on 2016

## Sec 2

### Students' Perception



# How ready are you for this journey at this moment?

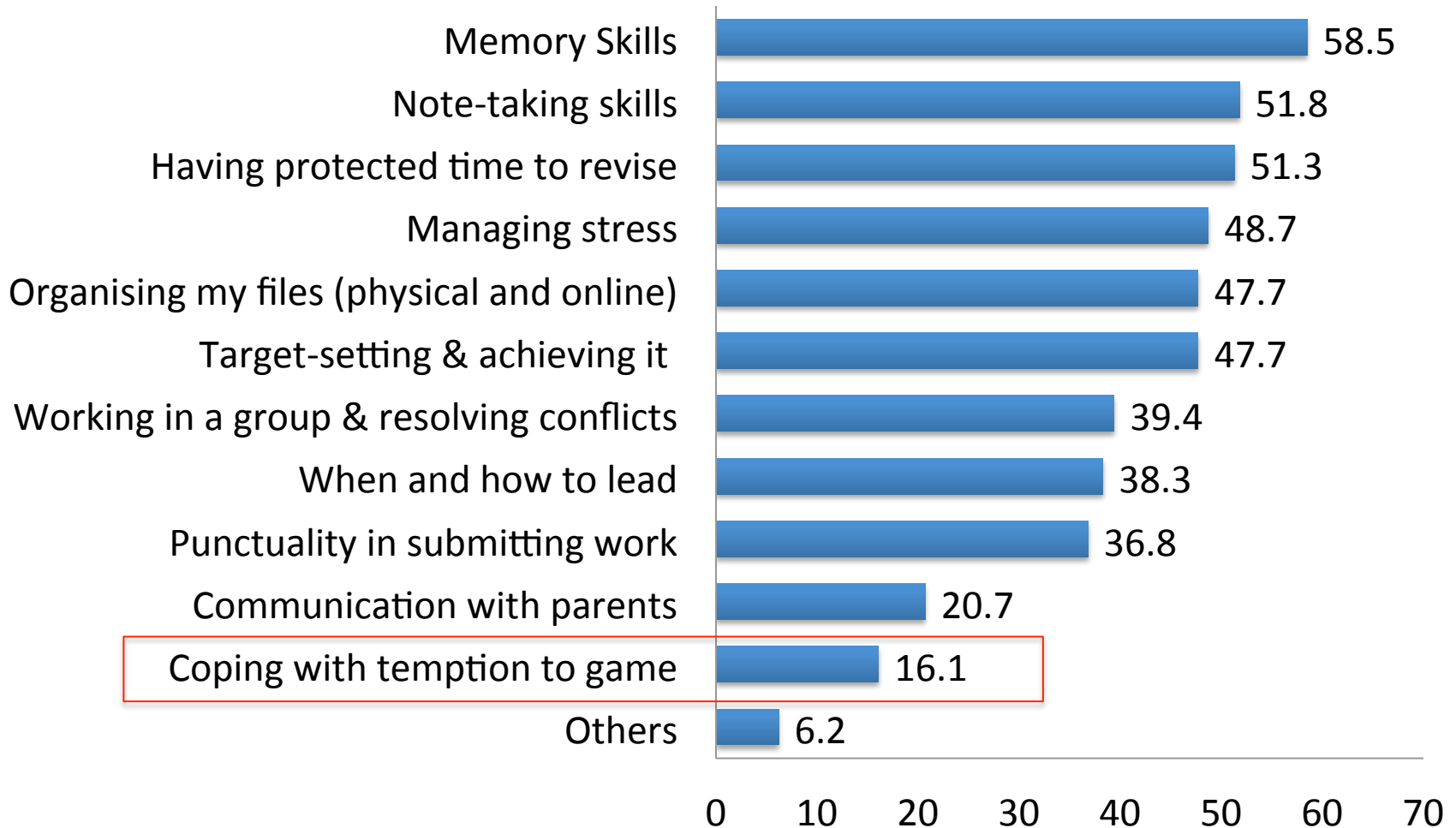


About three quarters of the students are ready for Sec 2

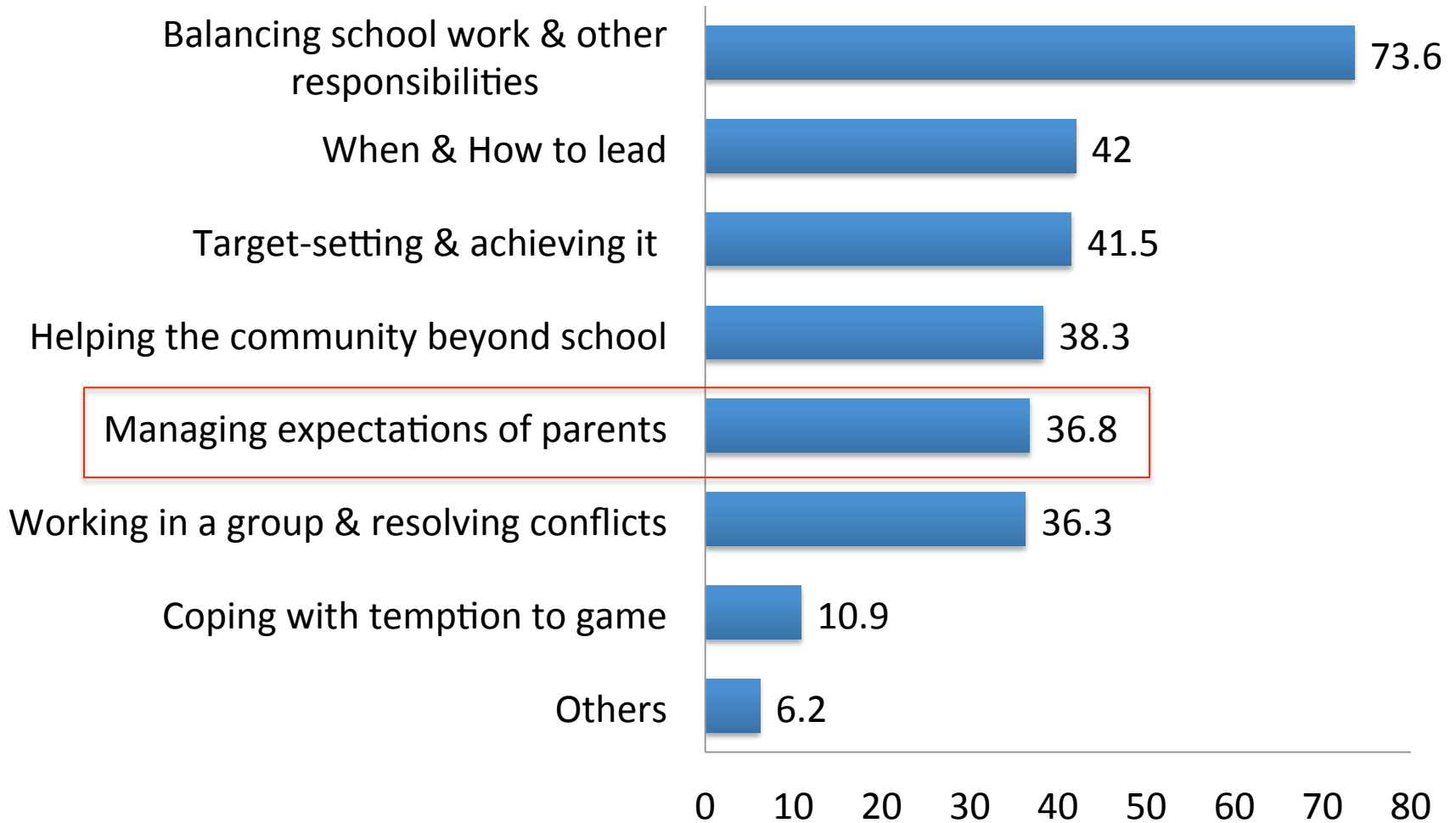
Almost everyone is willing to try



# Knowledge & Skills needed for School Work

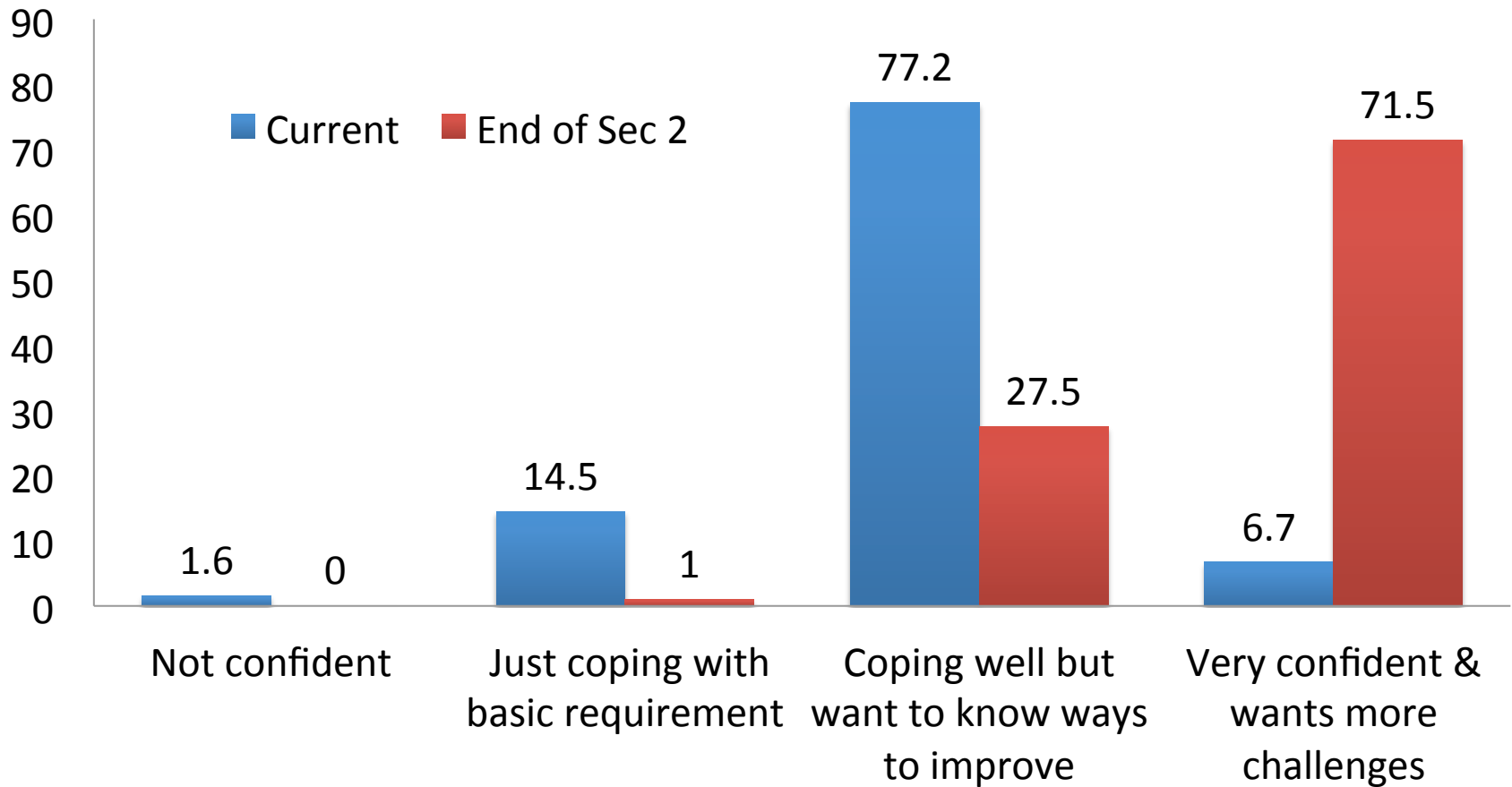


# Knowledge & Skills needed to Understand Myself & My Potential

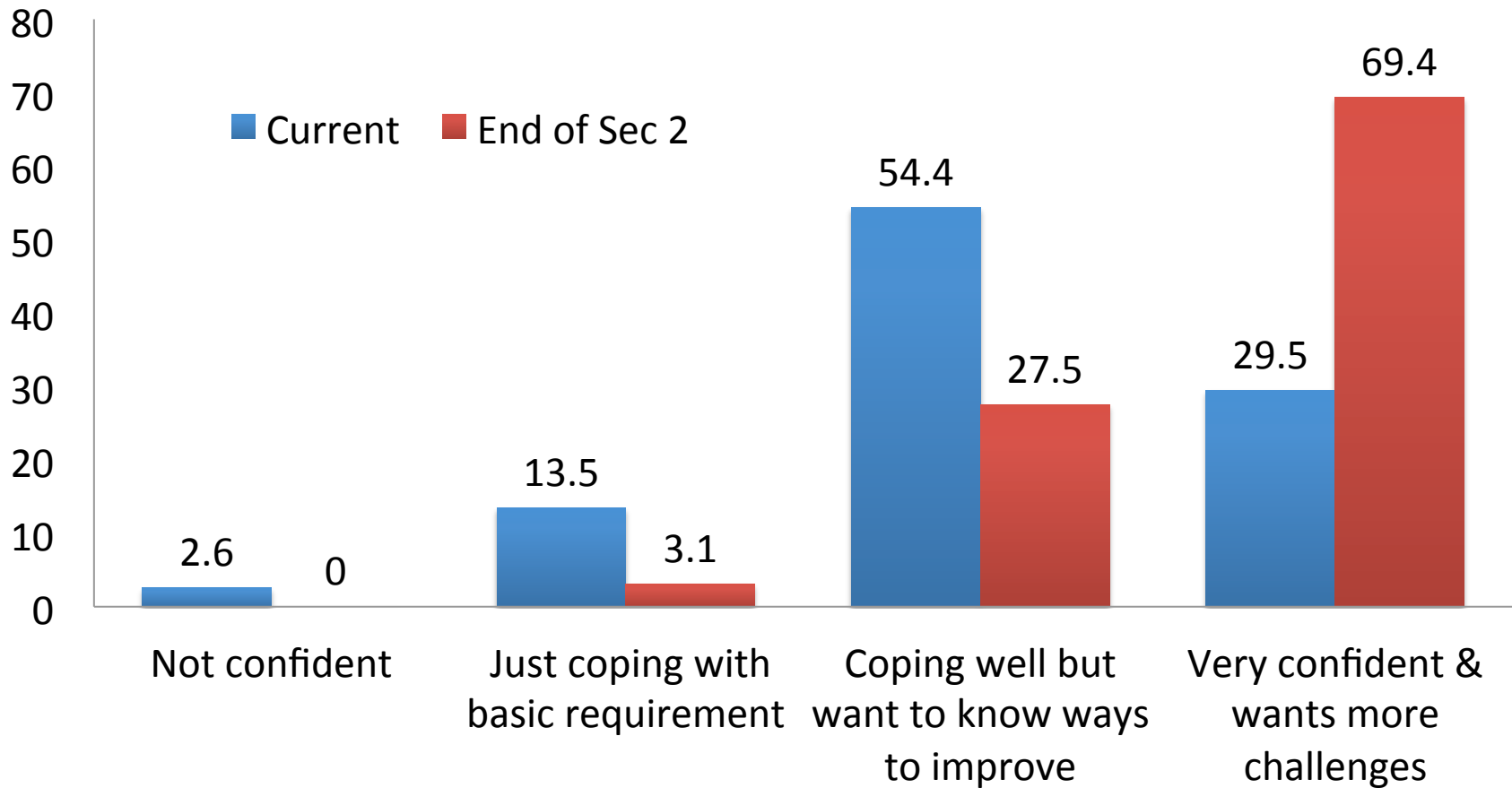




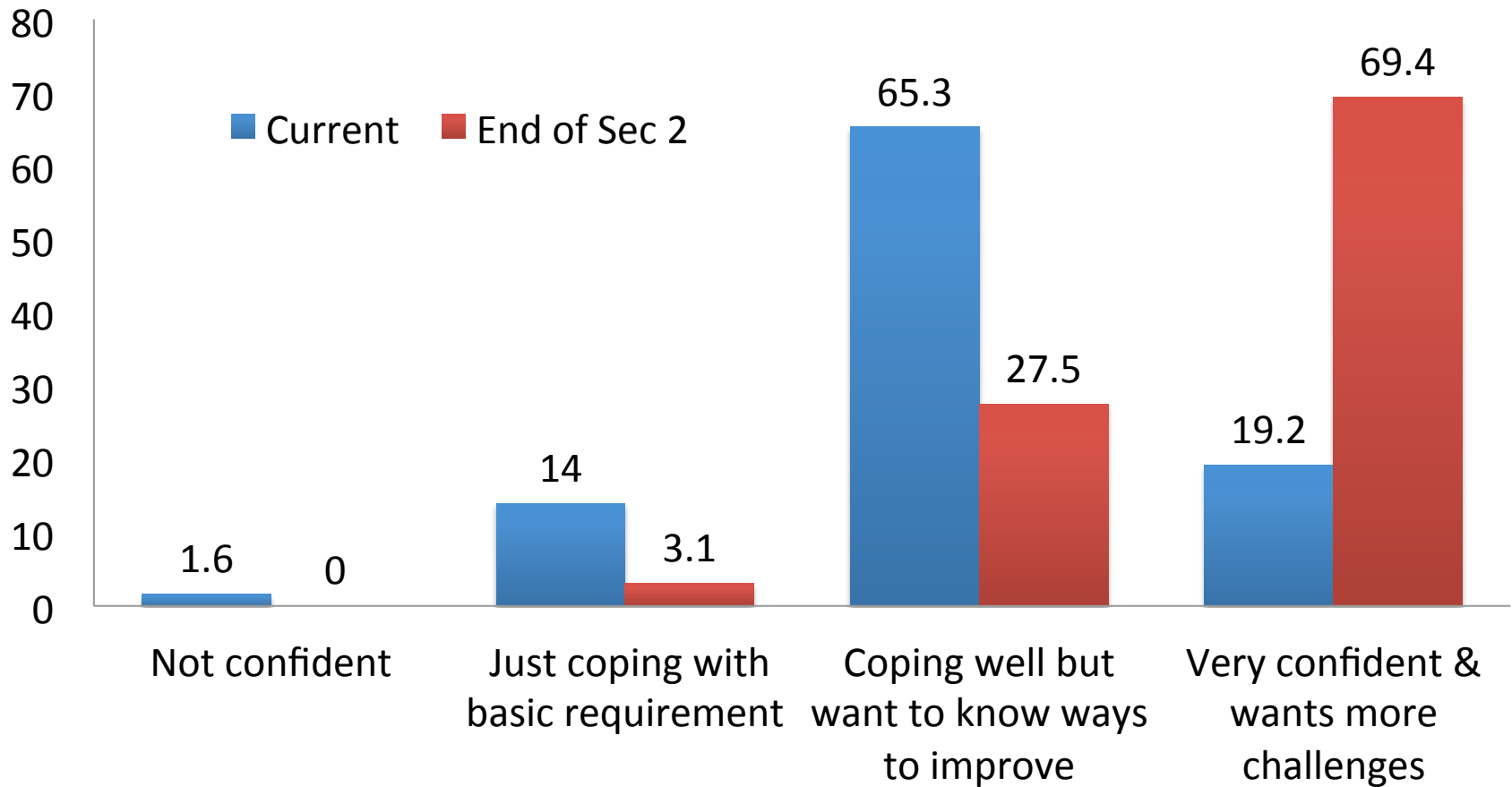
# Managing School Work



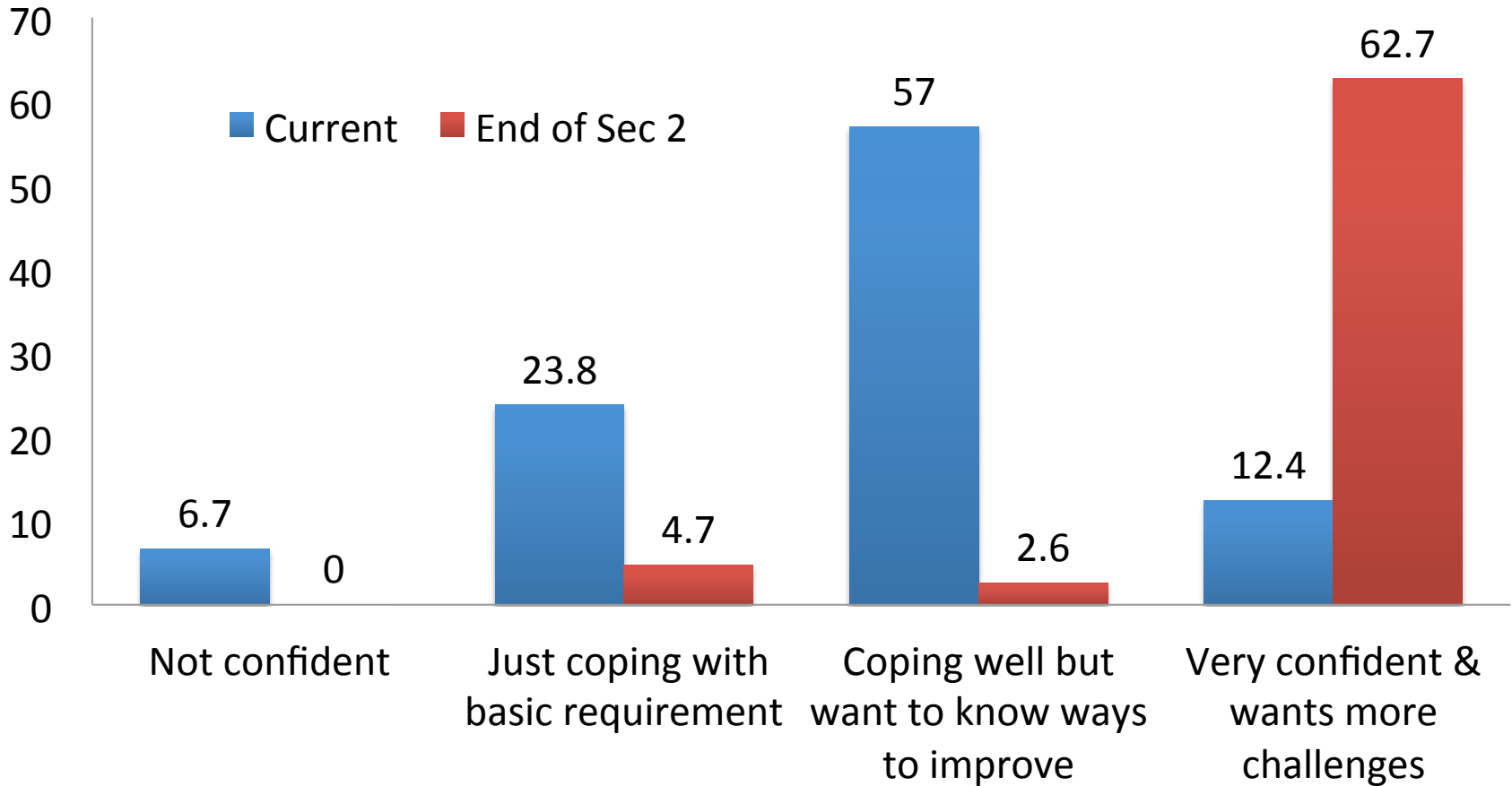
# Managing Social Relationships



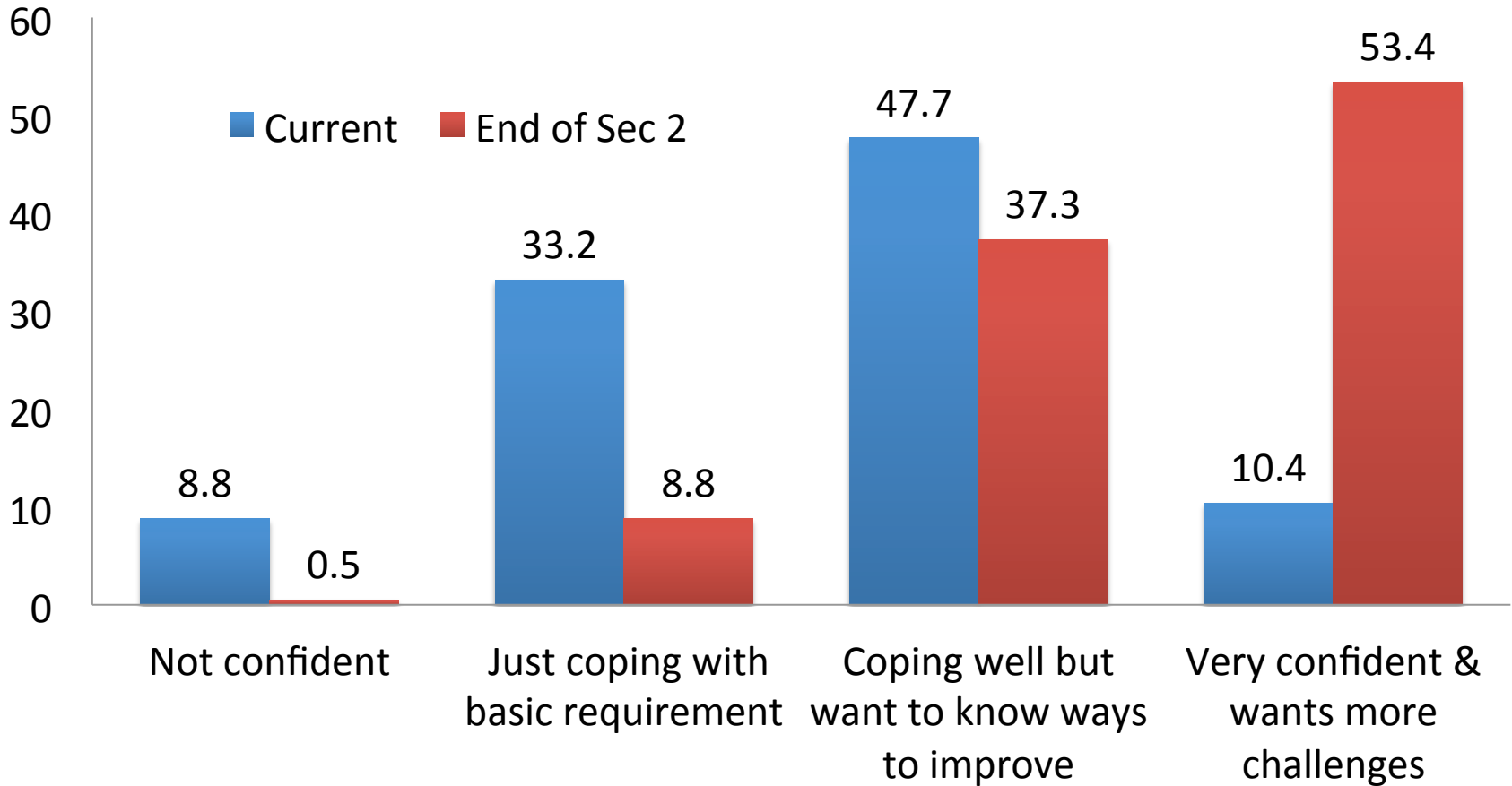
# Growing Talents (CCA, TDP)



# Leading Others



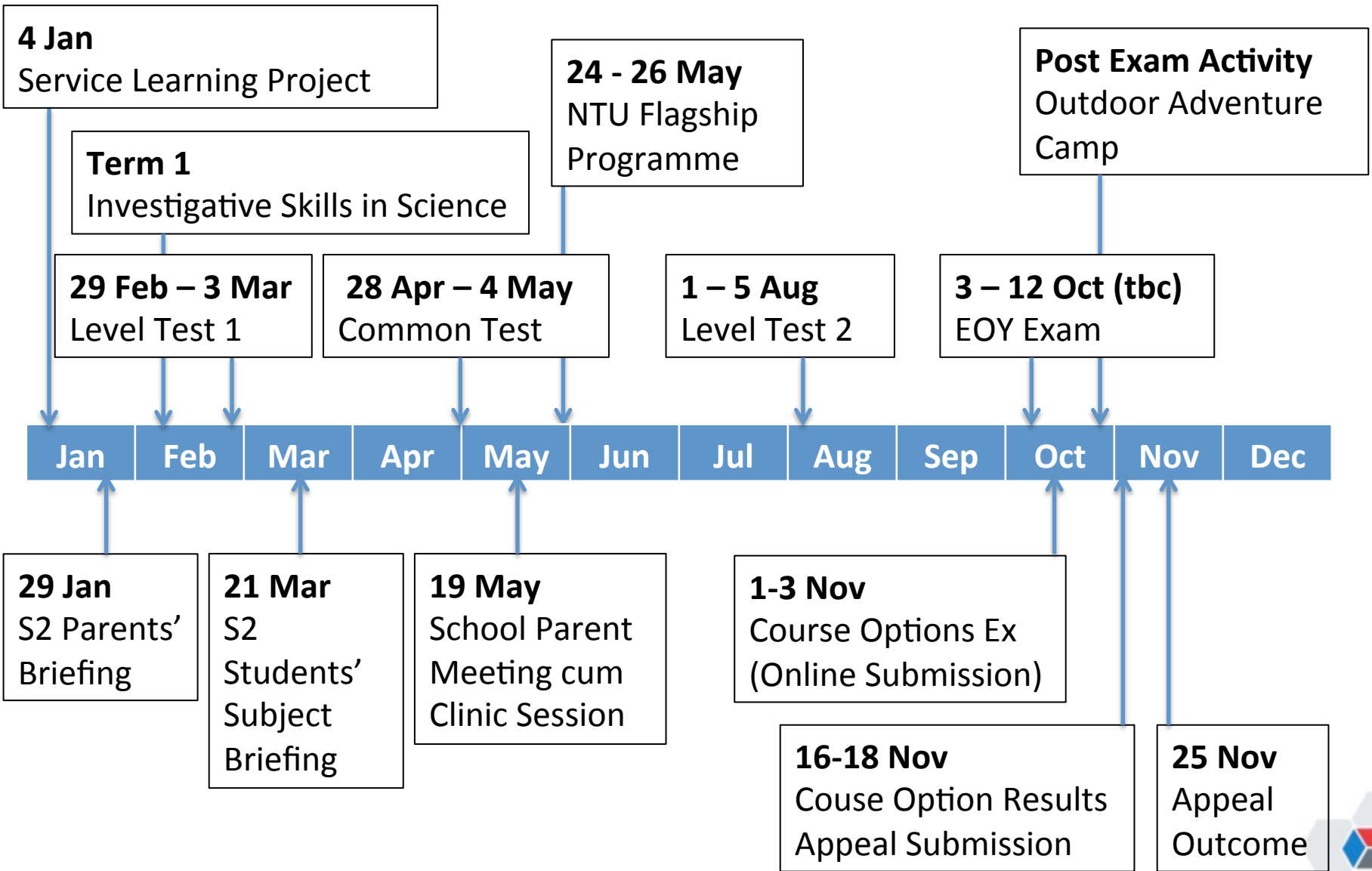
# Helping the Community Beyond School



# Journey from Sec 2 to Sec 3



# Overview of Sec 2



# School Structures (New)

- Second recess break
- Study Support Programme
  - Consultation
  - Homework Support
  - Supervised Study (for selected students)
  - Remediation





# Course of Study from Sec 2 to Sec 3



## SEC 1 & 2

Language Arts  
Higher/Mother Tongue  
Science  
Math  
Integrated Humanities  
ADMT  
IRS / ICT  
Sports & Wellness  
Character Education  
Innovation & Enterprise

### Enrichment Programmes

e.g. Academic TDP, GCP, NTU  
Flagship Programme, I&E  
Camp, Animation & Games  
Development



## SEC 1 & 2

Language Arts  
Higher/Mother Tongue  
**Science**  
**Math**  
**Integrated Humanities**  
**ADMT**  
~~IRS / ICT~~  
Sports & Wellness  
Character Education  
Innovation & Enterprise  
Enrichment Programmes  
e.g. Academic TDP, GCP, NTU  
Flagship Programme, I&E  
Camp, Animation & Games  
Development

## SEC 3 & 4

Chemistry, Physics, Biology

A. Math, Math

Social Studies,  
History or Geography Elective

Applied Subjects  
Biotechnology,  
Design Studies,  
Electronics,  
Computing



# What SST Offers

★ 8- or 9-subject combination

★ Broad-based education



# Sec 3 Course of Study

## ● 5+1 Compulsory 'O' Level Subjects

- English Language
- Higher/Mother Tongue Language
- Additional Mathematics
- Mathematics
- Chemistry
- Combined Humanities (Social Studies + Geography or History)



# Sec 3 Course of Study

## Choice of another 2 or 3 'O' Level Subjects

### Science Subjects (choice of 1 or 2)

Physics	Biology
---------	---------

### Applied Subjects (choice of 1 only)

Biotechnology	Design Studies
Electronics	Computing



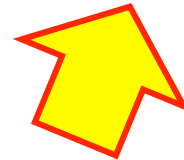
# 8-Subject Comb.

5 COMPULSORY SUBJECTS					6 <sup>th</sup> COMPULSORY SUBJECT							
EL	MT/ HMT	A-MA	MA	CHEM	1 COMBINED HUMANITIES		1 SCIENCE		1 APPLIED SUBJECT			
					SS- HIS	SS- GEO	PHY	BIO	BT	DS	EN	CP



# 8-Subject Comb.

<b>5 COMPULSORY SUBJECTS</b>					<b>6<sup>th</sup> COMPULSORY SUBJECT</b>							
<b>EL</b>	<b>MT/ HMT</b>	<b>A-MA</b>	<b>MA</b>	<b>CHEM</b>	<b>1 COMBINED HUMANITIES</b>		<b>1 SCIENCE</b>		<b>1 APPLIED SUBJECT</b>			
					<b>SS- HIS</b>	<b>SS- GEO</b>	<b>PHY</b>	<b>BIO</b>	<b>BT</b>	<b>DS</b>	<b>EN</b>	<b>CP</b>



## 9-Subject Comb.

Students take BOTH Phy AND Bio.





# 9-Subject Comb. Requirement

Students must obtain:

- a minimum OVERALL score of 70%
- a minimum score of 75% for BOTH Math AND Science



# Higher MTL & MTL

- Students with HMTL in Sec 2 may continue with the subject in Sec 3.
- Applications for transfer from HMTL will be based on lower sec overall academic results AND MT teacher's recommendation.
- For enquiries, email HOD MT Languages at [bek su ling@sst.edu.sg](mailto:bek_su_ling@sst.edu.sg) or call during office hour at 6571 7200 (ext no. 230).



# Third Language

- Students already taking a 3<sup>rd</sup> language in Sec 2 may continue with the 3<sup>rd</sup> language as the 9<sup>th</sup> subject.



# Applied Subjects (AS)

- Integral part of the SST curriculum, count towards GCE O-Level results
- Lessons are conducted in SST with class size of 24 and below
- Selection Criteria and max number of classes:
  - Computing : Aptitude Test; 2 classes
  - Design Studies : no specific requirement; 2 classes
  - Biotechnology : no specific requirement; 2 classes
  - Electronics : no specific requirement; 3 classes
- Allocation to AS will be based on merit, expressed choice, and availability of resources



# Considerations

- There is NO best combination for all students.
- When choosing the options, do consider the following factors:
  - Career Aspirations
  - Interest
  - Aptitude
  - Ability



# Sec 3 Promotion Criteria

- EL and 2 other subjects: **C6 or higher**
- Overall: **50% or higher**



# Post Secondary Entry Requirements

## Junior College

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

## Polytechnic

- $ELR2B2 \leq 26$ 
  - Technology Courses R2
    - Math  $\leq C6$
    - Science  $\leq C6$
  - Non-Technology Courses R2
    - Math  $\leq C6$
    - Humanities  $\leq C6$



S/N	EVENT	DATE / TIME
1	Online submission of Course Option <u>by students</u> via SDM.	T4W8 1 – 3 Nov 2016
2	Release of course options results via SDM.	T4W10 16 Nov 2016
3	<p>Appeals (after release of course options results); <u>must be submitted via SDM.</u></p> <p>Submission of appeal <u>after 18 Nov 2016</u> will NOT be <u>entertained.</u></p>	By 18 Nov 2016
4	Outcomes of appeals will be sent to parents' email. (Pls ensure parents' emails are correctly updated in SDM.)	25 Nov 2016





# Course Options Info Booklet

## Hard Copy

Will be issued next week

## Soft Copy

Will be available on Student Googlesite and School website



# Family-School-Student Partnership

Sharing on  
How People Learn



# How People Learn

- Expert learners have **well-organised knowledge**, not just problem-solving strategies
- Expert knowledge is **organised to support understanding**, not just recall. The organisation is grounded in a field's foundational concepts
- Expert knowledge is **conditionalised** and the conditional relationships form patterns that experts recognise and rely upon
- An expert's fluency allows the **easy retrieval of relevant knowledge**.

Reference: John Bransford, Ann L Brown & Rodney R Cocking. (2000). How People Learn: Brain, Mind, Experience and School,



# Transfer of Learning

- Factors necessary for transfer of learning:
  - A threshold of initial learning is necessary to support transfer
  - Rote repetition is not sufficient to ensure effective learning, but deliberate practice will. **Deliberate practice** consists of activities purposely designed to improve performance.
  - Learning with understanding is more likely to promote transfer than simply memorising information from a text. Need to focus on larger themes of causes and consequences of events and not just facts and details.



# Implications on Student

- Need to
  - Have a deep foundation of factual knowledge
  - Understand the facts and ideas in context of a conceptual framework
  - Organise knowledge in ways that facilitate retrieval and application



# Students: Making the Effort

- Being Present
  - Be engaged in school
  - Be proactive; consult teachers in a timely manner
- Having a Plan
  - Regular revision
  - After-school timetable
- Being Focused and Prepared
  - Read and understand the facts and ideas
  - Organise the knowledge
  - Complete assignment, deliberate practice
  - Support one another



# Parents: Motivate and Monitor

- Move with the school
  - Leverage school plans for your child
  - Send consistent message
- Monitor your child
  - Work closely with the school
  - Know your child and help them minimise their distractions
  - Look out for unusual behaviour
- Motivate your child
  - Constant encouragement
  - Remind your child to take responsibility
  - Praise for effort
  - Be with them



Work with us

Together

Let us help our children

do their best and be proud of themselves

