

The Effect of a Pre-University Academy on Access and Success

27 June 2024



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Overview

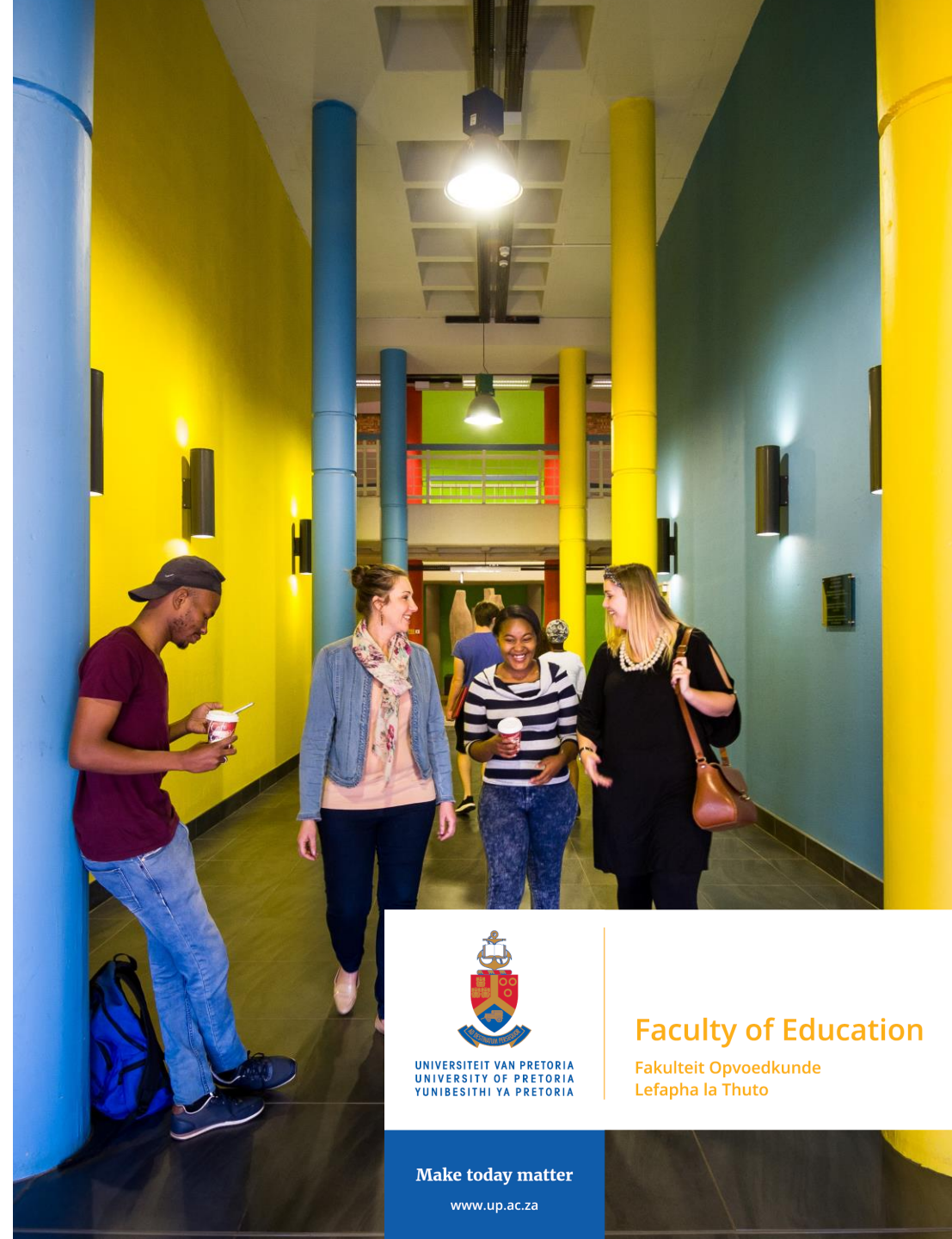
Overview of the UP-PUA

Learner support for access and success in the UP-PUA

Review of 2023 UP-PUA Evaluations through the learners' voice

Discussion and comparison of learners' marks in the UP-PUA and in school

The effect of the UPPUA on student access and success



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What subjects are offered?

Groenkloof Campus



Year: 2023 Grade 10 & 11

Mathematics
Physical Science
Chemistry
English
Computer Literacy
Examination Preparation

Mamelodi Campus



Year: 2023 Grade 8 & 9

Mathematics
Natural Science
English
Computer literacy
Examination Preparation

Developing Realistic Career Pathways

1.
Career Preference survey
(22 July 2023)

COMPLETED:
51 out of 54 Learners done

2.
Career Guidance Workshop
(2 and 5 October 2023)
MAMELODI CAMPUS

- Personality Test & NCAP Testing
- Study Methods Course
- Career Talk (videos)

3.
Mini Career Fair
7 October 2023
GROENKLOOF CAMPUS

FACULTIES:
-SCIENCE & AGRIC
-ENGINEERING
-ECONOMICS
-HEALTH SCIENCES
-VETERINARY
-EDUCATION

4.
NCAP Individual Feedback
(November 2023)

Grade 11s and Parents TO BE NOTIFIED OF ARRANGEMENTS AT A LATER STAGE

5.
Career Preference survey
(Readministration - November 2023)

REALISTIC CAREERPATH Choices??

2023 Research Question

Through the learner voice, what impact does the UP-PUA have on learners' access and success to higher education?



UP-PUA Evaluation Structure

Two formative surveys

- Term 1- Content not learned in school and innovative T&L strategies
- Term 2- T&L Materials and learning experiences

One summative survey

- Reflect on success of the programme overall
- Term 4- Impact of the programme

Themes from the programme evaluation

- Subject enjoyment
- Grade improvement in STEAM
- Motivation

Engagement



- Time-management
- Computer literacy
- Team-work
- Communication
- Language proficiency

Skills development



- Creative teaching and learning methods
- Critical thinking
- Problem solving

Conceptual understanding



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How has enrolment in the UP-PUA affected your progress in school?

“I have gotten better grades in Mathematics, English and Science and I am very grateful for their hard work in helping us succeed”

“Since my inception into the program, I have learnt to manage my time more efficiently. The enrolment got me introduced me to some great minds”

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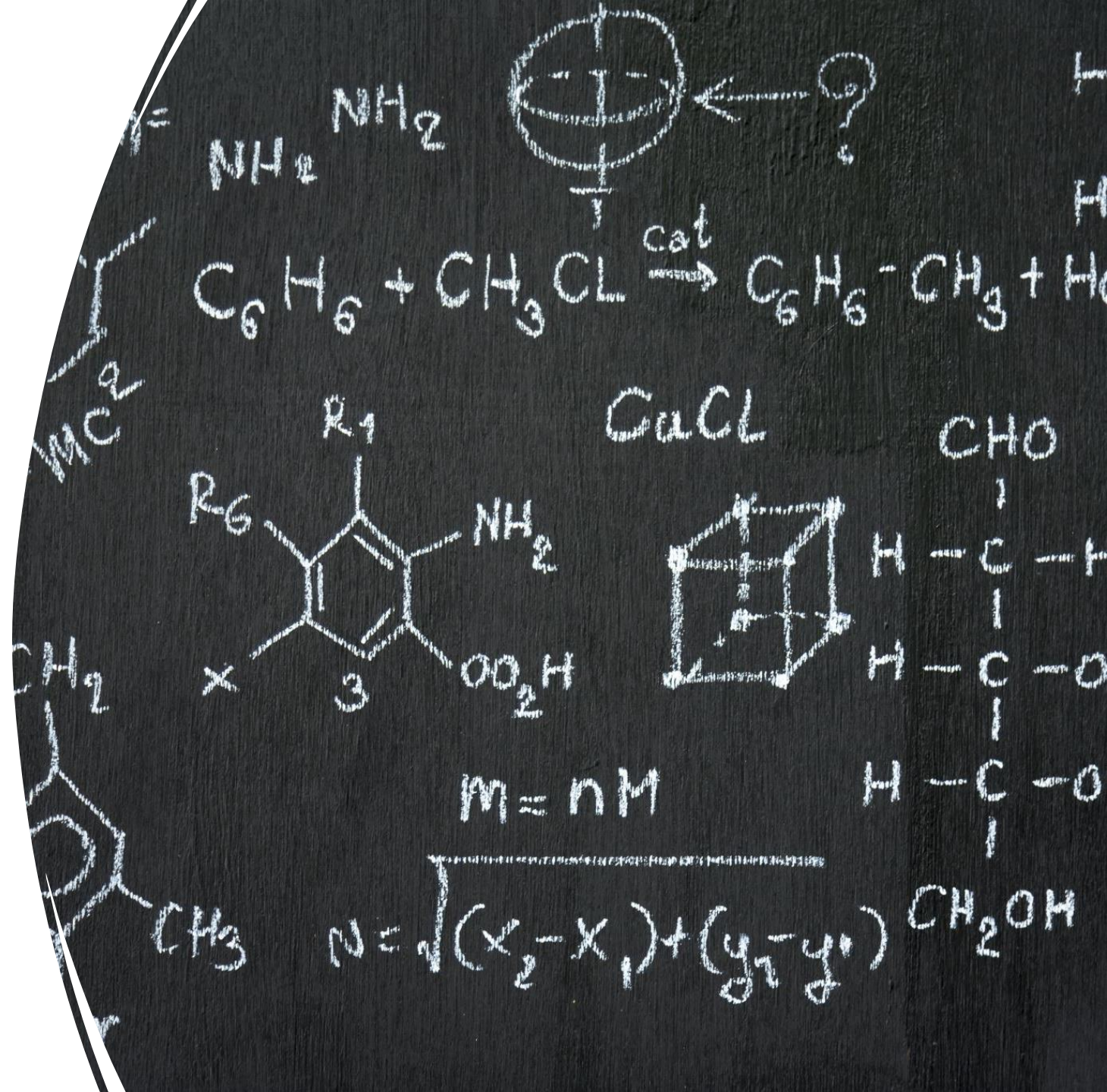
Research Question

Through the analysis of learners' marks, what effect does the UP-PUA have on learners' access and success to higher education?

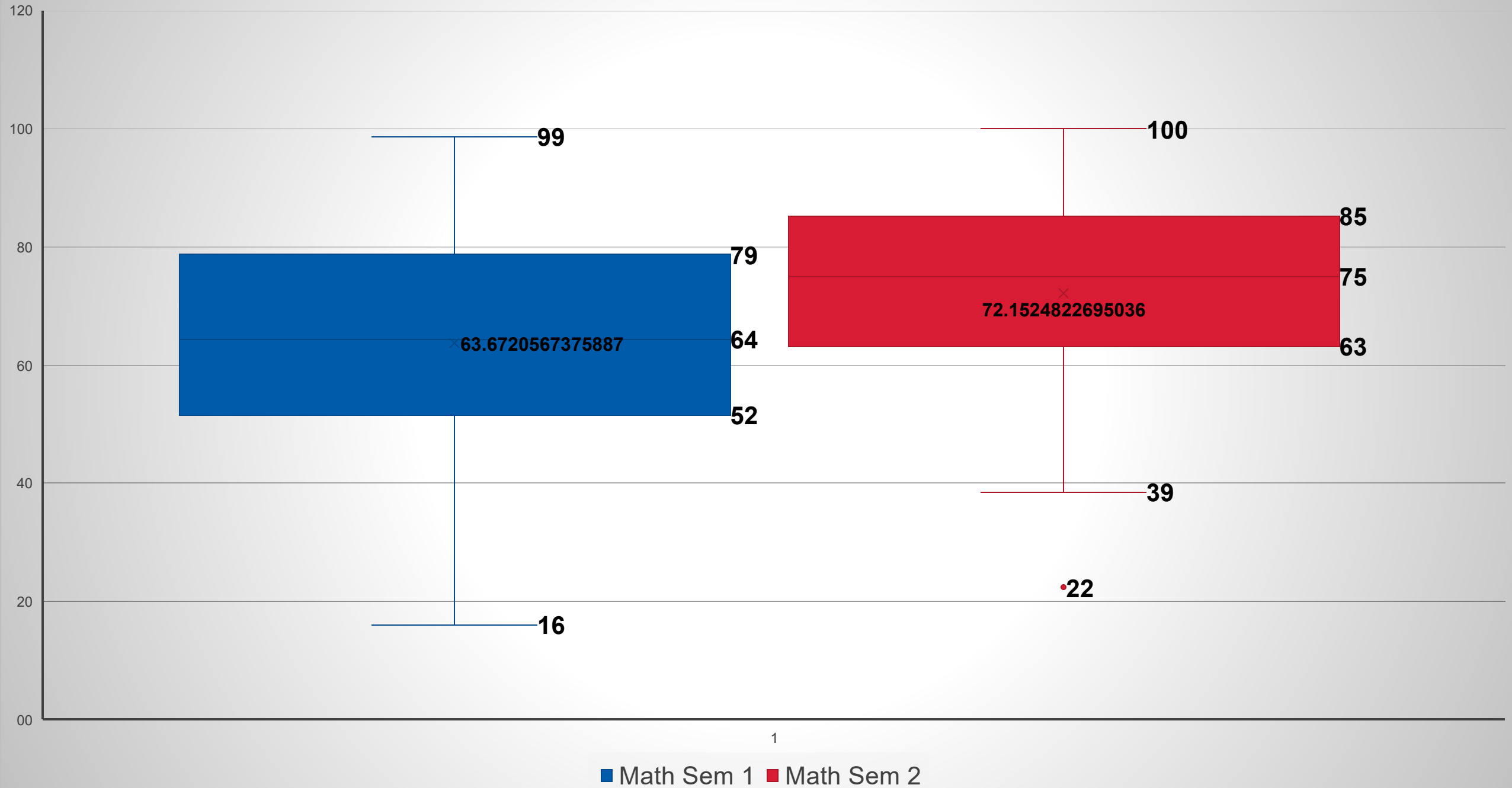


Data Collected

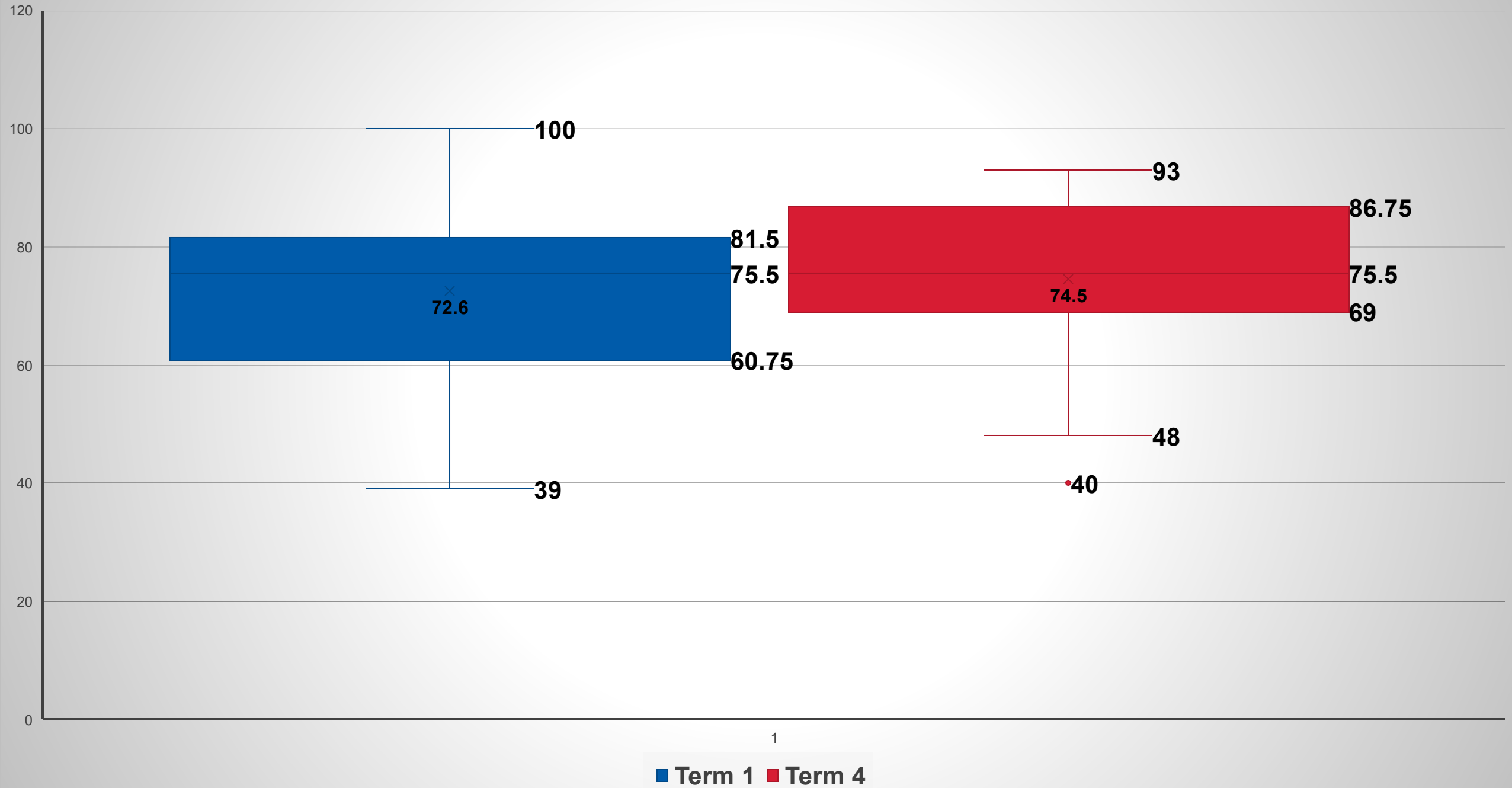
- Summative grade 11 marks comparing semester 1 and 2 of Physics, Chemistry and Mathematics in the PUA
- Summative marks from school comparing term 1 and term 4 results in Physical Sciences and Mathematics



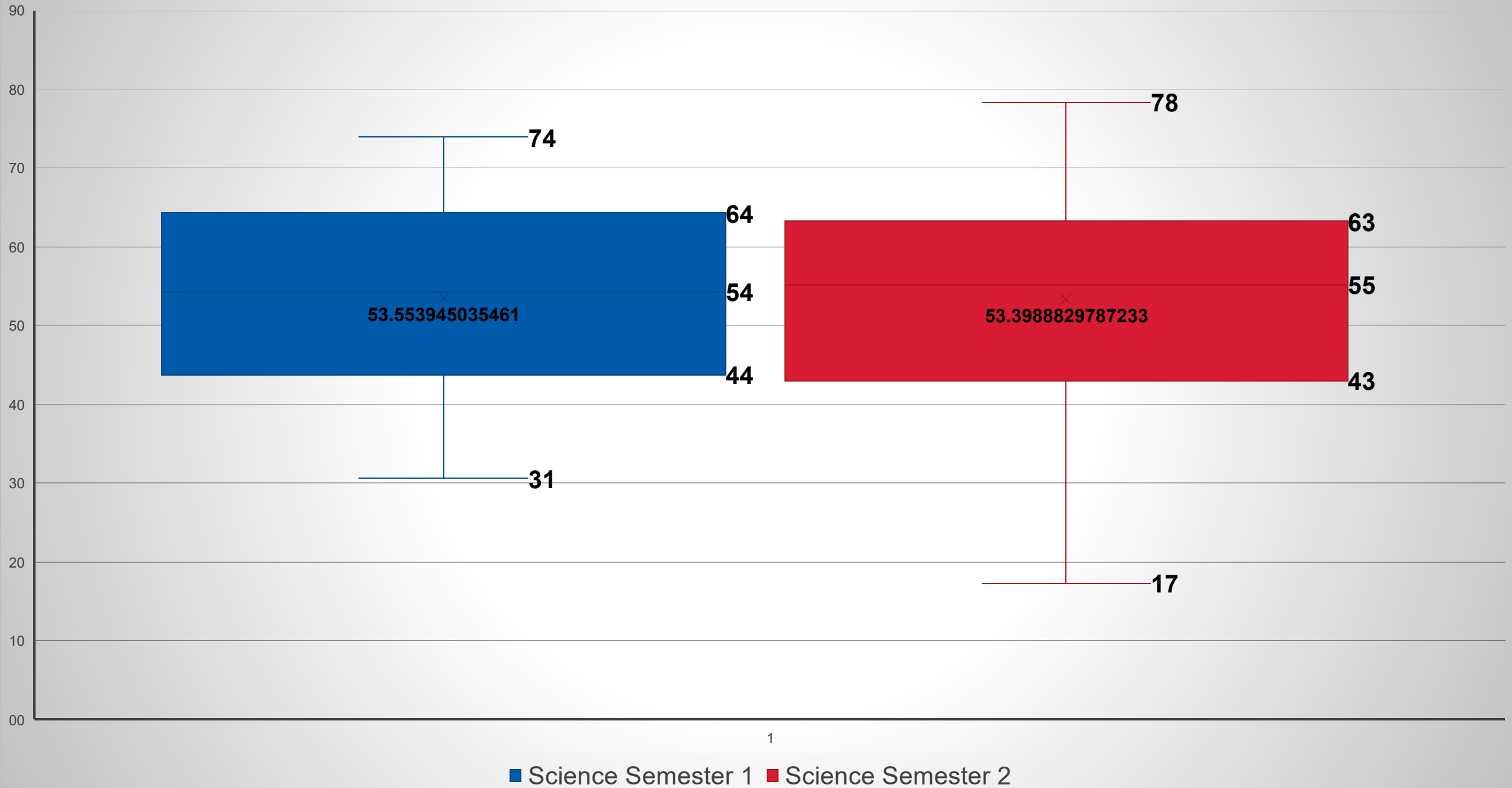
UP-PUA Mathematics Semester 1 and 2



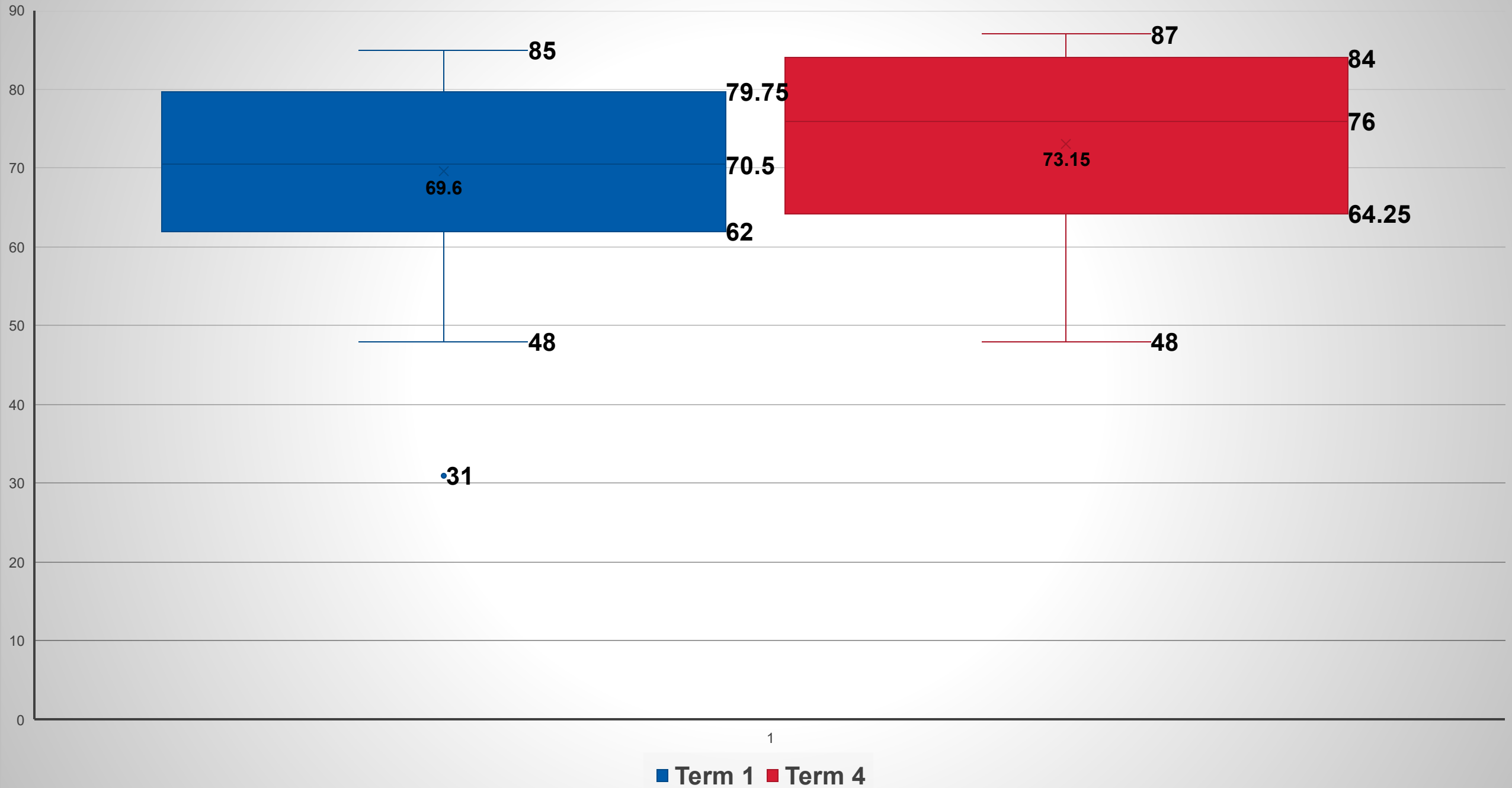
School Mathematics Term 1 and 4





UP-PUA Science Semester 1 and 2





School Physical Science Term 1 and 4



SUMMARY OF MARKS

UP-PUA Mathematics		School Mathematics	
Semester 1	Semester 2	Term 1	Term 4
51%-79%	63%-85%	61%-82%	69%-87%
6%		5%	
			

UP-PUA Science		School Science	
Semester 1	Semester 2	Term 1	Term 4
44%-64%	43%-63%	62%-80%	64%-84%
1%		4%	
			



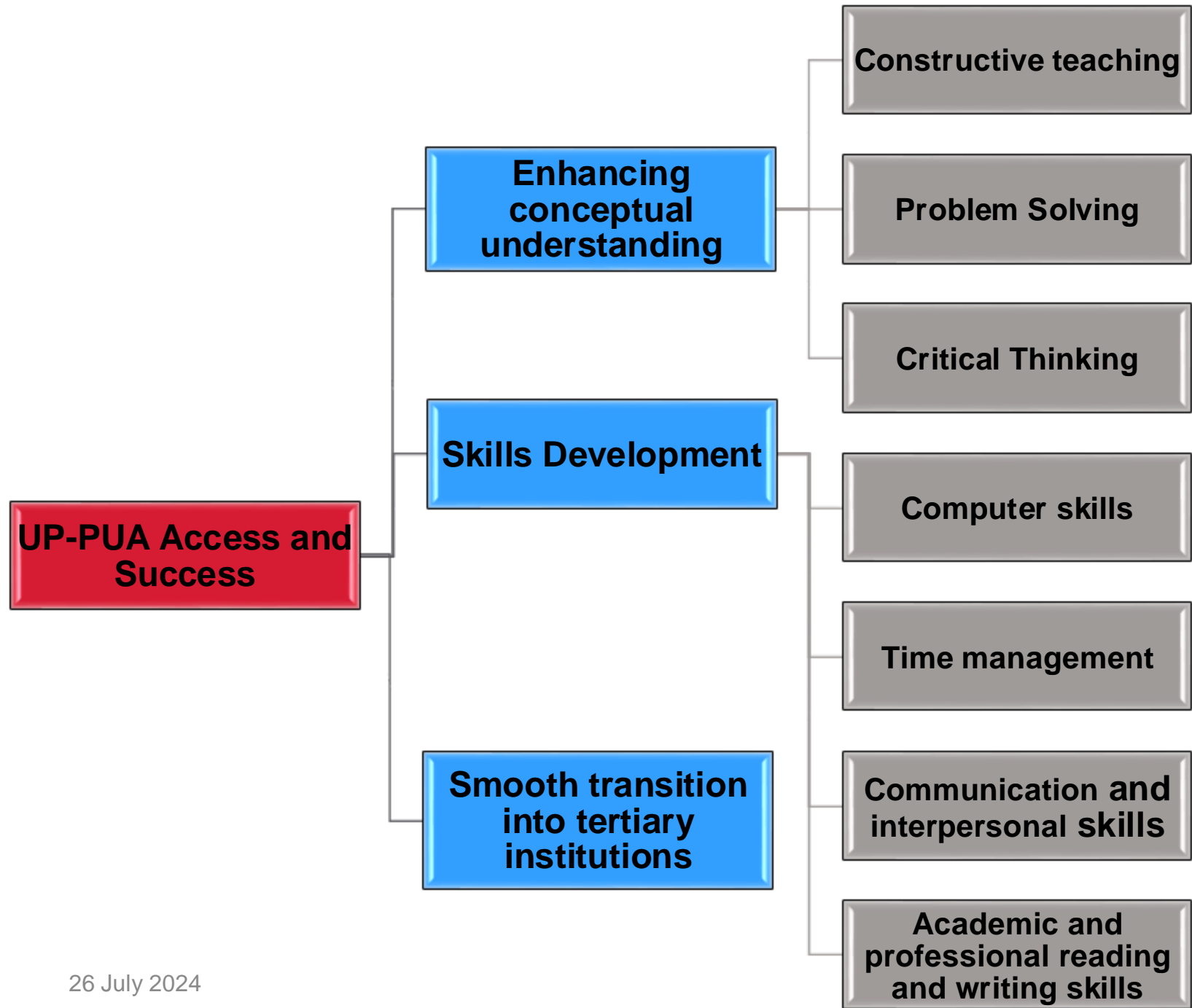
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“Well, I could say here the assessments are way harder. It's like they test if I understand. So, at school, they test if I know this part...

So then I see it as, like, these assessments here, they allow me to understand, which is why I see or perceive them as harder. And if I'm able to do these assessments here, it means I understand the work. Therefore, I can easily apply it to school and not just cram the work and forget it...

So, it's very effective. It has helped me. It's positive. ”



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The Effect of a Pre-University Academy on Access and Success

The learner voice plays a vital role in institutional/ programme transformation and development.

Conceptual teaching and learning methods enhances academic performance

Career guidance and support assist in realistic career goals.

Longitudinal research: Tracking from UP-PUA to university

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Questions??



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Thank you!



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