

UCMAS

EDUCATION WITH A DIFFERENCE

BRAIN DEVELOPMENT PROGRAM FOR
PRIMARY SCHOOL STUDENTS

1

WWW.UCMAS.COM.CY

UCMAS

WHAT IS UCMAS

- Universal Concepts of Mental Arithmetic Systems
- Founded in 1993 at Malaysia by Dr. Dino Wong



WHAT IS UCMAS

- World known **brain development** program for primary school students
- UCMAS is **not** a mathematics program
- UCMAS is implemented in more than **6000** centers and **80** countries worldwide, including
 - USA, Canada, England, Spain, Germany, Russia, Malaysia, India, China, Australia, Japan, etc



AFRICA

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| | ANGOLA | | GUINEA BISSAU | | RWANDA |
| | BENIN | | KENYA | | SENEGAL |
| | BURKINA FASO | | LESOTHO | | SIERRA LEONE |
| | CAMEROON | | LIBERIA | | SOUTH AFRICA |
| | COTE D'IVOIRE | | LIBYA | | SUDAN |
| | EGYPT | | MALI | | TANZANIA |
| | GABON | | MAURITIUS | | TOGO |
| | GAMBIA | | MOROCCO | | UGANDA |
| | GHANA | | NIGER | | ZIMBABWE |
| | GUINEA | | NIGERIA | | |

ASIA

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| | AFGHANISTAN | | JORDAN | | QATAR |
| | BAHRAIN | | KAZAKHSTAN | | SAUDI ARABIA |
| | BANGLADESH | | KUWAIT | | SINGAPORE |
| | BRUNEI | | LEBANON | | SRI LANKA |
| | CAMBODIA | | MALDIVES | | SYRIA |
| | CHINA | | MONGOLIA | | TURKMENISTAN |
| | INDIA | | MYANMAR | | UAE |
| | INDONESIA | | NEPAL | | UZBEKISTAN |
| | IRAN | | OMAN | | VIETNAM |
| | IRAQ | | PALESTINE | | |

AMERICA

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| | CANADA |
| | TRINIDAD AND TOBAGO |
| | MEXICO |
| | USA |
| | COSTA RICA |

EUROPE

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| | ANDORRA | | SWEDEN |
| | AUSTRIA | | UKRAINE |
| | CYPRUS | | UK |
| | GEORGIA | | |
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| | GIBRALTAR | | |
| | GREECE | | |
| | NORWAY | | |
| | RUSSIA | | |
| | SPAIN | | |

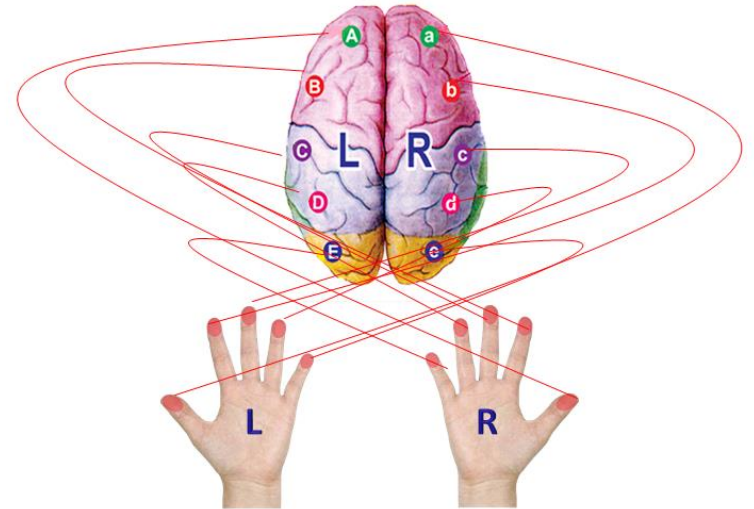
OCEANIA

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| | AUSTRALIA |
| | FIJI |
| | NEW ZEALAND |

Updated: March 2019

WHAT IS UCMAS

- The brain is triggered from the interaction of the hands' fingers and the brain
- Each finger maps directly to each of the 5 brain sections, with the left and right hands mapping inversely to the 2 brain hemispheres



WHAT IS UCMAS

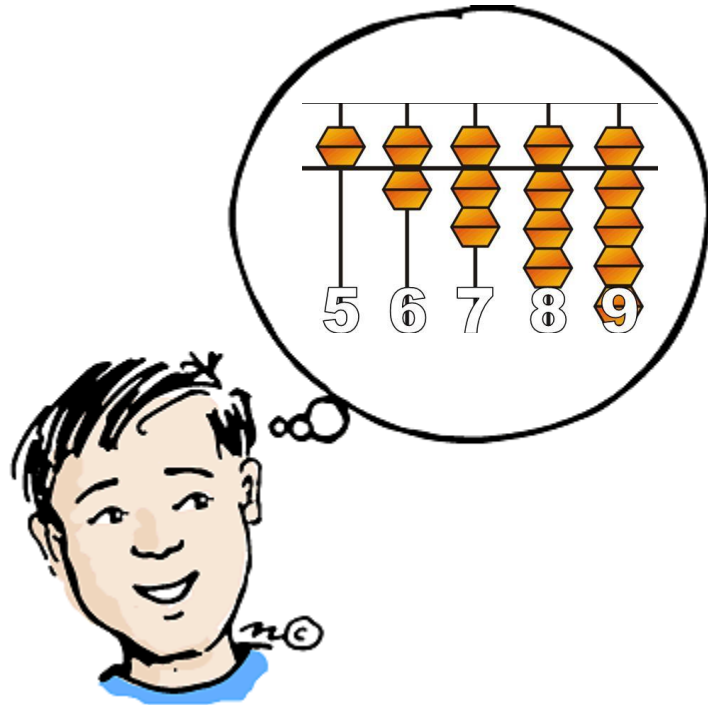
- UCMAS is based on the usage of the **abacus**, where the child uses 6 fingers from both hands to move the beads on the abacus



UCMAS

WHAT IS UCMAS

- The children learn
 - Initially to do calculations using an **actual abacus** which is in front of them
 - After some time they use a **virtual / imaginary abacus** which is in their mind



UCMAS STARTING AGES

- From Pre-School to Grade 6 of primary school
- Where the brain is at its **development stage**, hence the children gain the maximum benefits
- Students may finish UCMAS while at High School

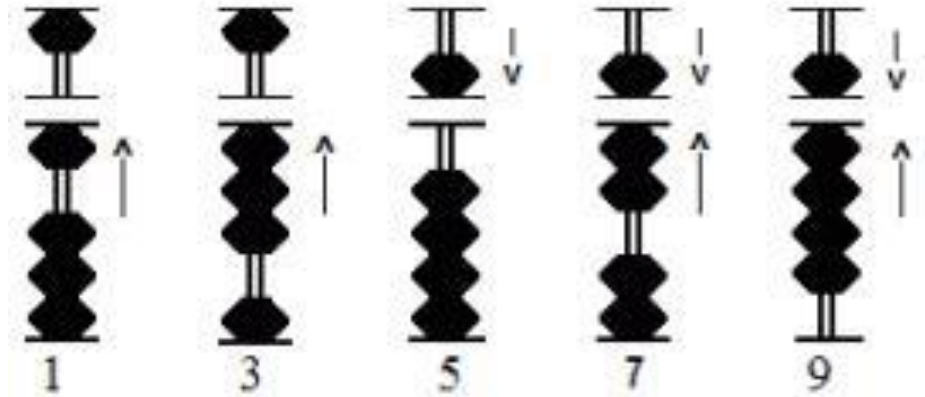


WHAT DOES A CHILD BENEFIT FROM UCMAS

- **Improve memory.**

This is achieved by the effort done by the child to **imagine the beads moving** in a specific order

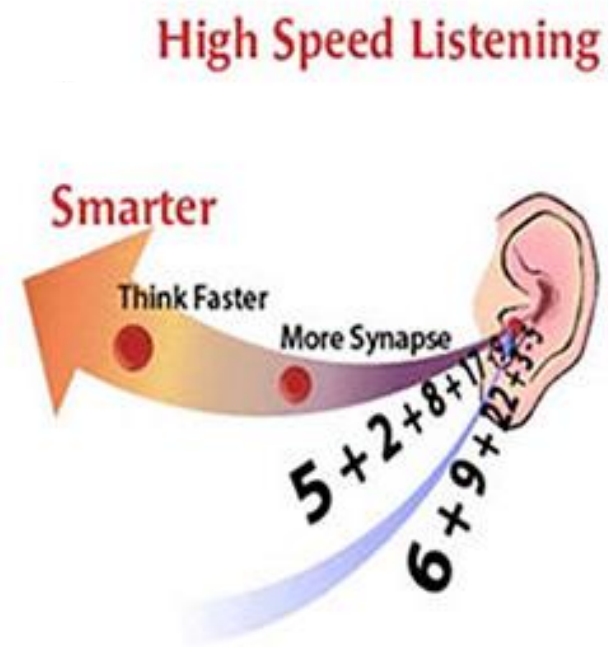
- hence increasing the child's photographic memory



WHAT DOES A CHILD BENEFIT FROM UCMAS

- ***Increase in auditory skills:***

This is achieved by the effort done by the child to **respond quickly to verbal instructions** that have to do with solving arithmetic calculations



WHAT DOES A CHILD BENEFIT FROM UCMAS

- ***Increase in concentration / focus:***

This is achieved by the effort done by the child to visualize the abacus and the changes done on the beads at every stage, **while ignoring environmental noise and other distractions**



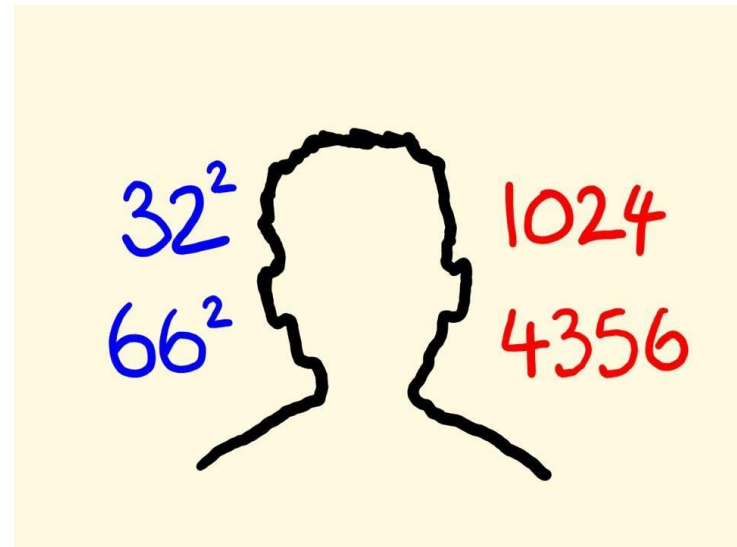
WHAT DOES A CHILD BENEFIT FROM UCMAS

- ***Increase in concurrency and simultaneous tasks ability:***

This is achieved by the effort done by the child to **simultaneously**

- listen
- imagine
- think
- give the answer

to complex and concurrent arithmetic calculations

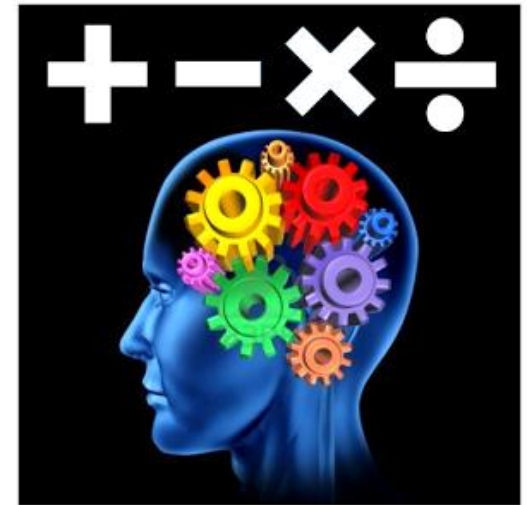


WHAT DOES A CHILD BENEFIT FROM UCMAS

- *Improve mathematical perception and ability:*

This is achieved when the child visualizes the **virtual / imaginary abacus** in their mind, **giving incredibly fast and accurate responses**

- Children will be able to perform mathematical calculations of **addition, subtraction, multiplication, division** and **square root**
- All of these will be done using large numbers with many digits **without the use of a calculator** and **without the abacus**



WHAT DOES A CHILD BENEFIT FROM UCMAS

- Parents that are interested for their child to attend a **private school**...
- ...do you know that at the Mathematics entry exam, a calculator is **not** allowed?
- Can you imagine the advantage when solving the Mathematics entry exam using UCMAS mental arithmetic?



WHAT DOES A CHILD BENEFIT FROM UCMAS

- *Increase in self esteem and self confidence:*

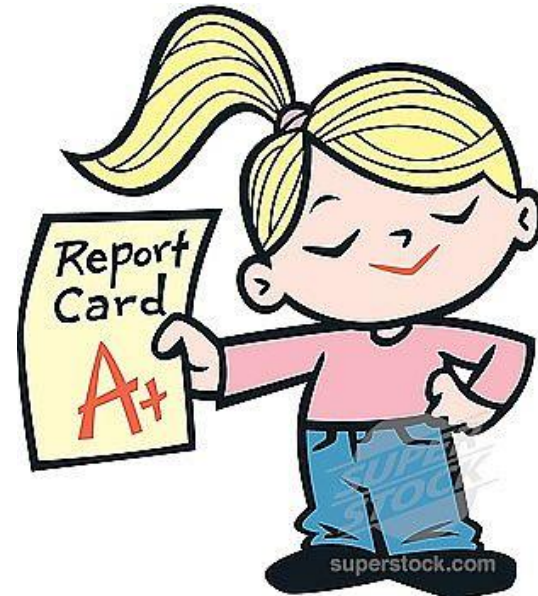
With the increase in mathematical perception and ability, **your child will no longer be afraid of numbers and mathematics in general**



WHAT DOES A CHILD BENEFIT FROM UCMAS

- ***Improvement in the overall academic performance:***

When a child has high self esteem and high self confidence in relatively difficult topics, such as mathematics, **your child will feel different, that he/she is better than other children** and this propagates to the rest of the school lessons, resulting in better performance on all classes



THE CHILD AS AN ADULT

- The benefits the child has gained through UCMAS, remain in life as an adult, no matter how many years pass by



UCMAS

RESEARCH ABOUT UCMAS

- Research by the University of Manchester (UK)
- 3185 children ages 7 to 11, after an intensive UCMAS program for 34 weeks, 1.5 hours per week, showed **increase in the IQ of the children**

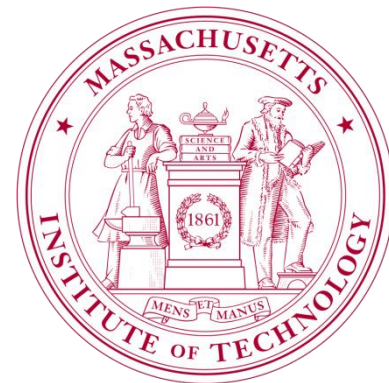


The University of Manchester

UCMAS

RESEARCH ABOUT UCMAS

- Research by the University of California San Diego – UCSD (USA) & Massachusetts Institute of Technology – MIT (USA)
- 400 children after being trained on UCMAS, had an advantage in mathematical calculations, **they became more accurate and faster** compared to children that did not attend the UCMAS program



UCMAS

UCMAS LEVELS

- UCMAS 0: Pre-Foundation
 - This level is ONLY for pre-school children
- UCMAS 1: Foundation
 - This level is ONLY for Grades 1 and 2 (Primary School)
- UCMAS 2: Basic, Elementary A
 - This is the starting level for all Grades 3 up to 6 (Primary School)
- UCMAS 3: Elementary B, Intermediate A
 - The virtual abacus in their mind is becoming visible in children after completing this level
- UCMAS 4: Intermediate B, Higher A
- UCMAS 5: Higher B, Advance

- All levels have a duration of 10 months
 - Starting in September and ending in June
- Exams are conducted at the end of each **module** (January and June)

UCMAS LEVELS

	UCMAS 0	UCMAS 1	UCMAS 2
School class to start	Pre-School	Grades 1, 2 of Primary School	Grades 3, 4, 5, 6 of Primary School
Sessions per week	1	1	1
Lesson duration	1 hour	1 hour	1.5 hours
Exams per year	-	1	2
Exams cost	-	€85	2 x €85
Registration cost	€60	-	-
Monthly tuition	€45	€65	€65

UCMAS EQUIPMENT

- For each module, the student gets
 - 1 examination (€85)
 - 1-2 books (**free**)
 - You can see book samples on www.ucmas.com.cy/en
 - 1 answers book (**free**)
- For the first module students register, they also get **free**
 - Bag
 - Small abacus



UCMAS

HOW IS A UCMAS CLASS DONE

- UCMAS is 100% practical
- The **instructor** will use the big abacus to explain the day's lesson
- The **students** may come to the board to use the big abacus to confirm they understood the day's lesson



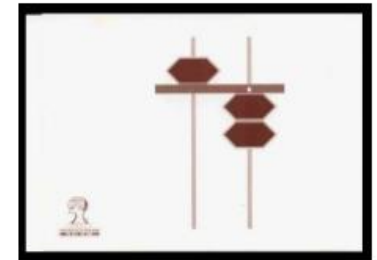
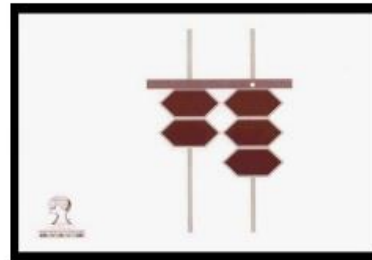
HOW IS A UCMAS CLASS DONE

- **Timed** exercises using the small abacus, where the student needs to solve **paper exercises** from their books
- **Timed** exercises using the small abacus, where the student needs to respond to **verbal exercises** as given by the instructor



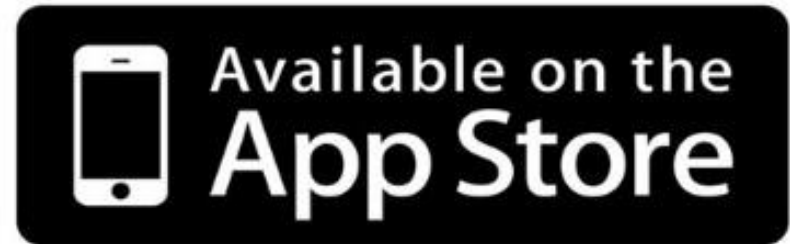
HOW IS A UCMAS CLASS DONE

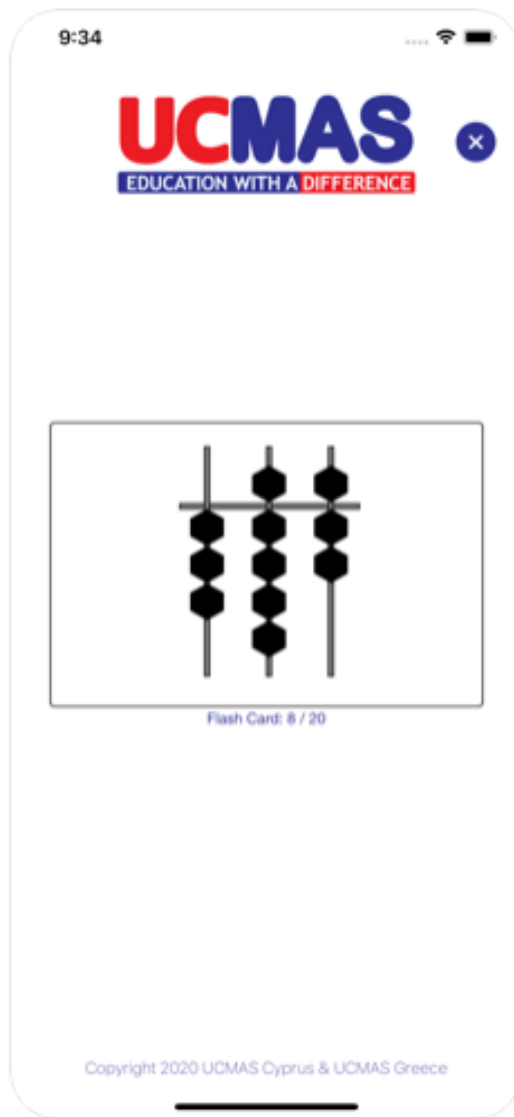
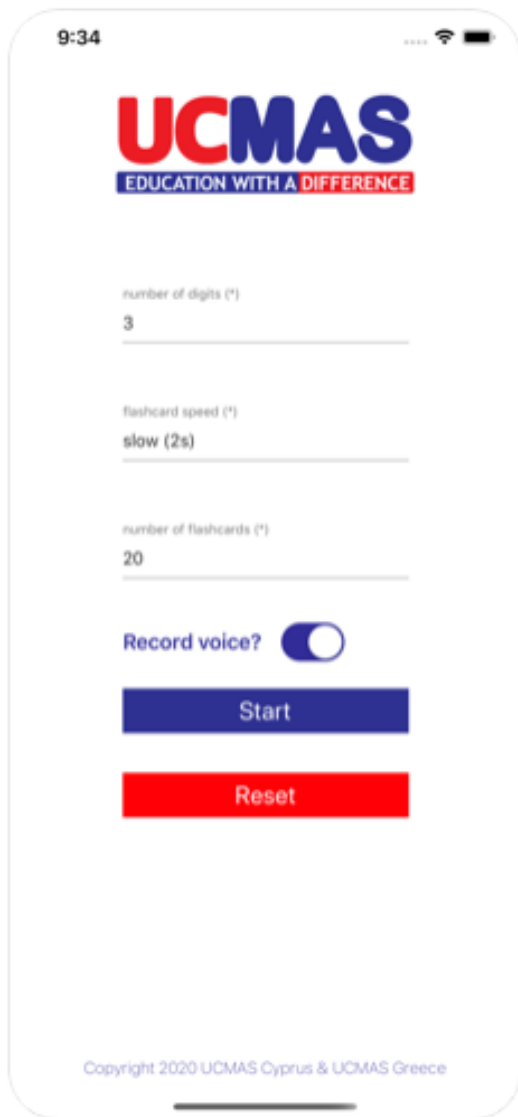
- **Timed** exercises in writing specific sequence of numbers in their books (**speed writing**)
- Use of **flash cards** where the students will need to identify numbers and speak them out loud
 - Also, there is a software that shows flash cards electronically



APP

- There is also a UCMAS mobile app available for smart phones and tablets, such that the students can practice at home





HOMEWORK

- In order to achieve the UCMAS benefits described earlier, children need to do **homework of about 30-60 minutes per week** (for levels UCMAS 2, 3, 4, 5)



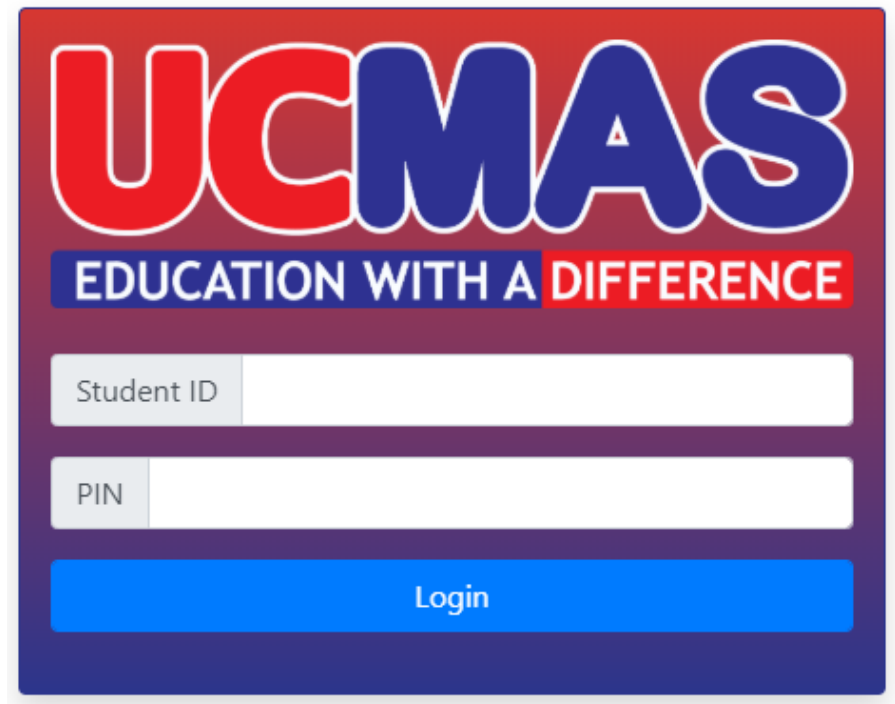
OTHER FACTORS AFFECTING UCMAS SUCCESS

- **Absences or late arrivals** to class, will most likely have a **negative effect** on the student's performance and consequently on the UCMAS program success for that student



EXAMINATION

- Students get access to the UCMAS electronic exam demo system, so that they can do further practice at home



The image shows a login interface for the UCMAS system. At the top, the word "UCMAS" is displayed in large, bold, red and blue letters. Below it, the tagline "EDUCATION WITH A DIFFERENCE" is written in white text on a dark blue background. The interface includes two input fields: "Student ID" and "PIN", both with white text on a light gray background. A blue "Login" button is positioned below the input fields.

EXAMINATION

- The exam is mandatory and is conducted over the Internet, with same day results
- Successful candidates of the worldwide approved UCMAS examinations, receive their corresponding module certificate from Malaysia



Certificate

This is to certify that

YU WAN LIANG

Has Participated and achieved the International Standard of
UCMAS ABACUS CERTIFICATION (MSUAN)
Proficiency Examination

ADVANCED (ELEMENTARY A)
(DISTINCTION)

Exam Dated
21/06/2019

UCMAS
EXAMINATION BOARD
SINCE 1993



PROF. WU WAN LIANG
International Examiner



PROF. DR. DING WONG
Founder & President
(UCMAS International Headquarters)

SAMPLE

UCMAS

COMPETITIONS

- Once per year a UCMAS Competition takes place
- All UCMAS students have the right to participate



UCMAS Vs SCHOOL

- UCMAS does **not** replace and is **not** conflicting with the school mathematics
- With UCMAS children will be able to do school mathematics much **faster**
- If your child is already good with mathematics, still they can benefit from UCMAS, as the benefits explained earlier, will be even more obvious to such good students

TO BE OR NOT TO BE...

- **As parents you want what's best for your children**
- You need to prepare them to overcome the challenges in today's way of living, such that they have a successful life
- **Give them the best gift ever**
- Through UCMAS give them the opportunity to get involved with an intelligent activity that results in the creation of smart and charismatic children



UCMAS