

 1. V. PREM
 MPP141170

 2. S.PIRIYAH
 MPP141168

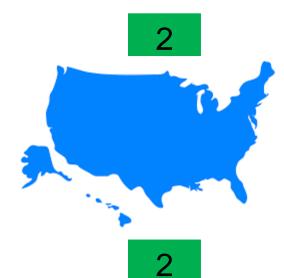
 3. V. JAYAGANESAN
 MPP151059











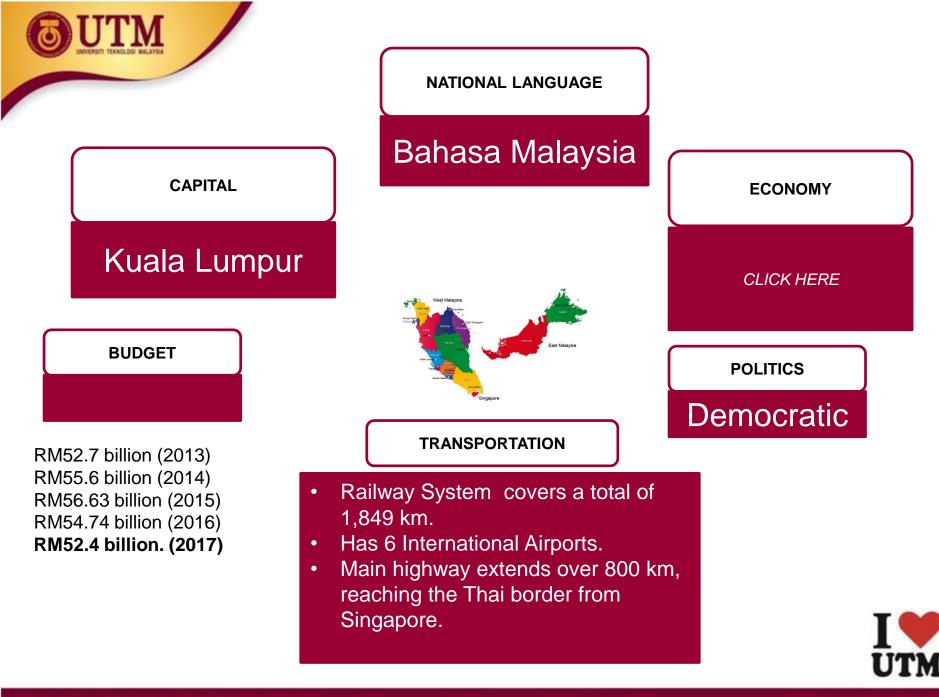












Foreign Trade Indicators	2011	2012	2013	2014	2015
Imports of Goods (million USD)	187,473	196,393	205,897	208,851	175,961
Exports of Goods (million USD)	228,086	227,538	228,331	233,927	199,869
Imports of Services (million USD)	38,083	43,131	44,973	45,161	39,814
Exports of Services (million USD)	38,751	40,498	42,005	41,860	34,759

ECONOMY

Source: WTO - World Trade Organisation, 2016

Exchange Rate on December 09, 2016:

National Currency: Malaysian Ringgit (MYR)

1 MYR = 0.2261 USD, 1 USD = 4.4227 MYR 1 MYR = 0.2134 EUR, 1 EUR = 4.6869 MYR

system which includes a variety of private freedom, combined with centralized economic planning and government regulation. Malaysia is a member of the Asia-Pacific **Economic Cooperation** (APEC), the Association of Southeast Asian Nations (ASEAN), and the Trans-Pacific Partnership

EDUCATION SYSTEM

Overview of the Structure of Malaysia's Education Systems.

- ✓ Based on a 6+3+2 system.
- ✓ Pre-school (age 4-6)
- ✓ 6 years of primary school
- ✓ 3 years of lower secondary school referred as Secondary 1, 2 and 3.
- ✓ Secondary education for Malaysian students starts at the age of 13.
- ✓ 2 years of upper secondary school referred as Secondary 4 and 5.



Maths. Teaching Language

Primary Level

SK learn Maths in Bahasa Malaysia SJKC learn Maths in Bahasa Mandarin SJKT learn Maths in Bahasa Tamil Secondary Level All learn in Bahasa Malaysia **University Level** Learn In English



Mathematics Curriculum

ASSESSMENT METHODS

TOPICS

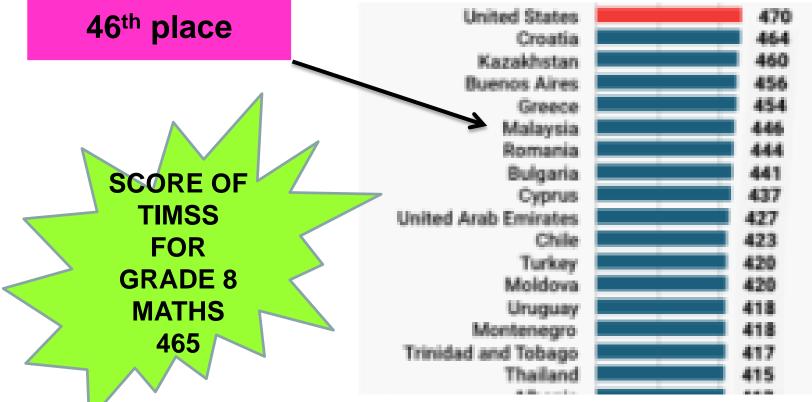
- Numbers and Operations.
- Measurement and Geomet Classroom
- Relationship and Algebra.
- Statistics and Probability.
- Discrete Numbers.
 TEACHING APPROACHES
- *Poblem based/Project
 - Based
- Problem solving
- Inquiry-based Learning
- Constructivism
- Collaborative learning

Formative Assessment Project work, (models,GSP) Classroom activities/homeworks Discussion/presentation Test/examination

Summative Assessment Primary 6 : UPSR Lower Secondary : PT3 Upper Secondary : SPM Pre-University : STPM









TIMSS 2015



MATHEMATICS CURRICULUM IN USA



1Trillion

Rose

Eagle

Trans- 4 mode

GDP 18.5 Tril

70.6% Kristian

C.Columbus 1492

NORTH DAKOTA

SOUTH

NEBRASKA

TEXAS

72.4% White

KANSAS

OKLAHOMA

MINUESOT

IOWA

MISSOURI

ARKANSAS

July 4, 1776-GB

AP OF THE UNITED STAT

TENNESSE

ALABAMA GEORGI

IDAHO

ARIZONA

UTAH

MONTANA

WYDMING

NEW

MEXICO

COLORADO

HAWAII ©

WASHINGTON

NEVADA

OREGON

GUID

> ALASKA

50 States

Representative

Democracy

USD

Washington D.C

English

9.8 Mil km2

325 Million

Barrack Obama



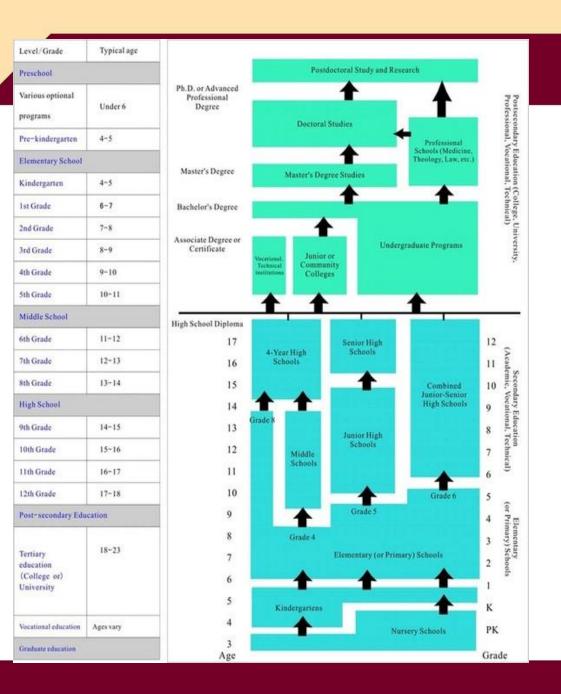
AIM

to promote student achievement and preparation for global competitiveness by fostering educational excellence and ensuring equal access

OBJECTIVES

- Universal literacy
- Knowledge & skills
- > Welfare of individual, public and nation







TIMSS/PIRLS 2011								
Math 4 th G	irade	Math 8	th Grade	Re	Reading 4 th Grade			
Average = US = 6 th /		-	e = 500 I th / 37		Average = 5 US = 4 th / 6			
England	542 (3.5)	Israel	516 (4.1)	Russia	n Federation	568 (2.7)		
Russian Federation	542 (3.7)	Finland	514 (2.5)	Finland	ł	568 (1.9)		
United States	541 (1.8)	United States	509 (2.6)	United	States	556 (1.5)		
Netherlands	540 (1.7)	England	507 (5.5)	Denma	ark	554 (1.7)		
Denmark	537 (2.6)	Hungary	505 (3.5)	Croatia	1	553 (1.9)		
	PISA 2012							
Math	Sc	ience	Readir	ng	Problem	Solving		

Math Science			Reading		Problem Solving			
Average = 4	494	Average = 5	01	Average = 496 Average =		Average = 4	= 494	
US = 29 th /	58	US = 21st /	58	US = 17 th / 58		US = 11 th / 37		
Italy	485	France	499	Norway	504	Czech Republic	509	
Spain	484	Denmark	498	United Kingdom	499	Germany	509	
United States	481	United States	497	United States	498	United States	508	
Sweden	478	Spain	496	Denmark	496	Belgium	508	
Hungary	477	Norway	495	Czech Republic	493	Austria	506	



TEACHING APPROACHES

Teacher-Centered Approach

Direct Instruction

- Formal Authority
- Expert
- Personal Model

Student-Centered Approach

Inquiry-Based Learning

- Facilitator
- Personal Model
- Delegator

Cooperative Learning

- Facilitator
- Delegator



Assessment Method Formative & Summative – NAGB NAEP STATE



United States							
		A+	98-100				
A	90–100	A	93-97				
		A-	90-92				
		B+	87-89				
В	80–89	В	83-86				
		B-	80-82				
		C+	77-79				
С	70–79	70–79 C 73-7	73-76				
		C-	70-72				
D	60-69	D+	67-69				
U	00-09	D	60-66				
F	059	F	0-59				

FIGURE 2

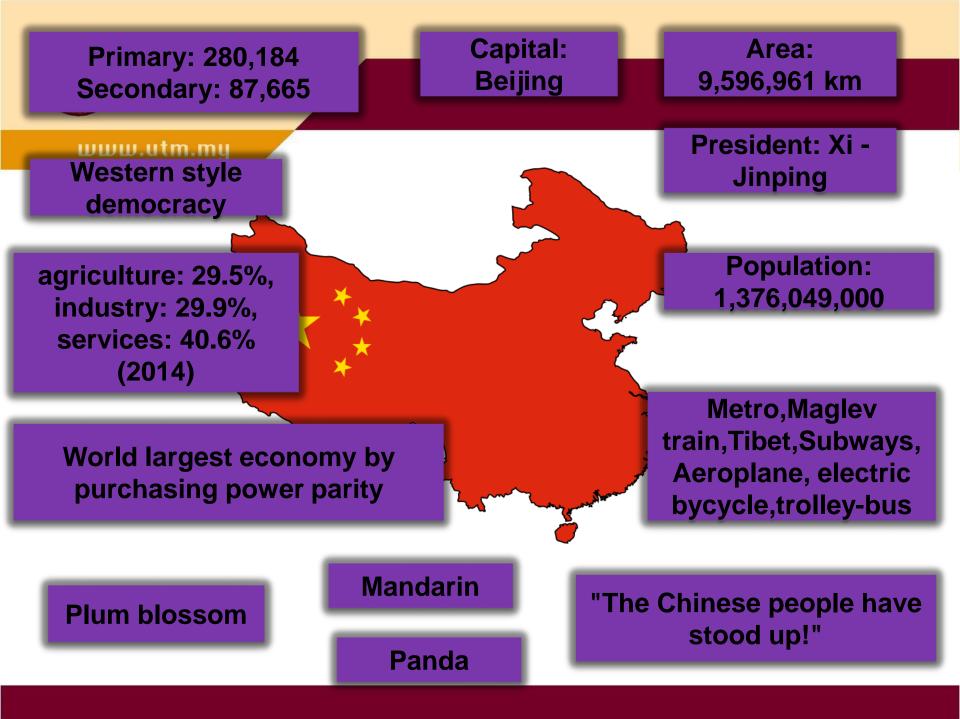
State Composite: Mathematics topics intended at each grade by at least two-thirds of 21 U.S. states.

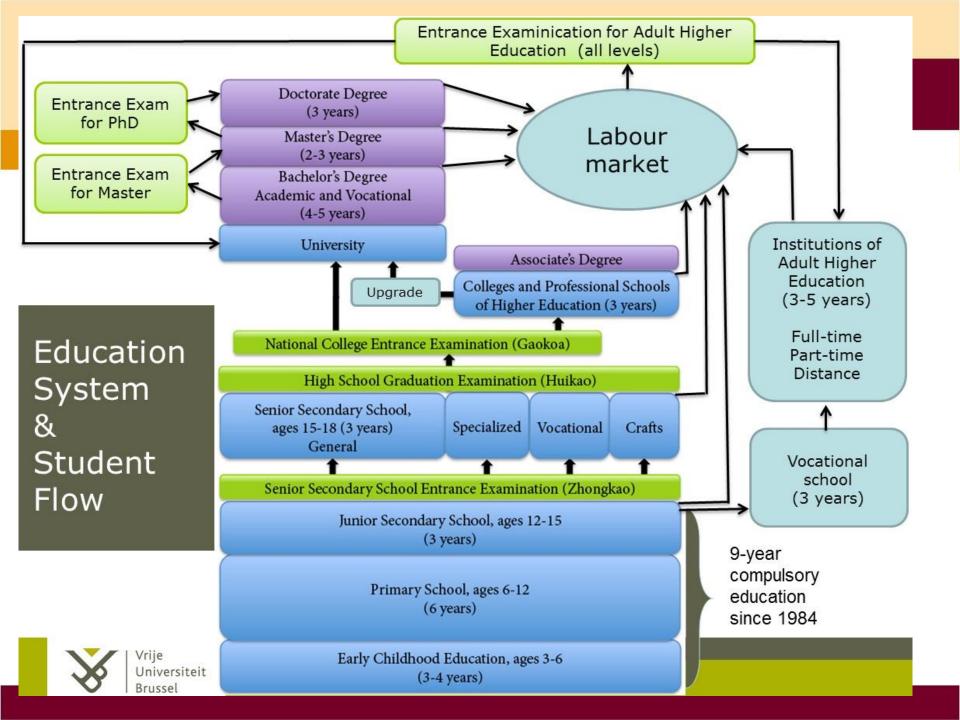
Note that topics are introduced and sustained in a way that produces no visible structure.

TOPIC GRADE:	1	2	3	4	5	6	7	8
Whole Number Meaning								
Whole Number Operations			-					
Measurement Units			-		-			
Common Fractions					-			
Equations & Formulas								
Data Representation & Analysis			-					
2-D Geometry: Basics								
Polygons & Circles			-		-			
Perimeter, Area & Volume								
Rounding & Significant Figures								
Estimating Computations								
Properties of Whole Number Operations								
Estimating Quantity & Size								
Decimal Fractions								
Relationship of Common & Decimal Fractions								
Properties of Common & Decimal Fractions								
Percentages								
Proportionality Concepts								
Proportionality Problems								
2-D Coordinate Geometry								
Geometry: Transformations								
Negative Numbers, Integers & Their Properties								
Number Theory								
Exponents, Roots & Radicals								
Exponents & Orders of Magnitude								
Measurement Estimation & Errors								
Constructions w/ Straightedge & Compass								
3-D Geometry	-	-	-		-	-	-	
Congruence & Similarity								
Rational Numbers & Their Properties								
Patterns, Relations & Functions								
Slope & Trigonometry								
Number of topics covered by at least 67%								
of the states	14	15	18	18	20	25	23	22
Number of additional topics intended by states								
to complete a typical curriculum at each grade level	8	8	7	8	8	5	6	6



MATHEMATICS CURRICULUM IN CHINA







աաա

(in million times)

Target for educational development

	2009	2015	2020
Preschool education			
Kindergarten enrolment (in millions)	27	34	40
Gross enrolment rate at three years prior to compulsory education (%)	51 %	60%	70%
Gross enrolment rate at one year prior to compulsory education (%)	74 %	85%	95%
Nine-year compulsory education (i.e. primary and ju	nior secon	dary edu	cation)
Enrolment (in millions)	158	1 61	165
Graduation rate (%)	91 %	93%	95%
Senior secondary education			
Enrolment (in millions)	46	45	47
Gross enrolment rate (%)	79%	87%	90%
Vocational education			
Junior secondary vocational enrolment (in millions)	22	23	24
Senior secondary vocational enrolment (in millions)	13	14	15
Higher education			
Total number of people studying in higher education (in millions)	30	34	36
Enrolment (in millions)	28	31	33
Master's degree students within the enrolment (in millions)	1.4	1.7	2.0
Gross enrolment rate (%)	24 %	36%	40%
Continuing education			
Continuing education received by working people	17	29	35



PISA result

uuuuu utm mu

PISA 2012 resul

Math

Rank ing	Mean	Country	
1	613	Shanghai-China	
2	573	Singapur	
3	561	Hong Kong- China	
4	560	Chinese Taipei	
5	554	Korea	
6	538	Macao-China	
7	536	Japan	
8	535	Liechtenstein	
9	531	Switzerland	
10	523	Netherlands	

2015 PISA

Math

Singapore	564
Hong Kong	548
Macao	544
Taiwan	542
Japan	532
China*	531
Korea	524
Switzerland	521
Estonia	520
Canada	516



Aim

Objective

• to Build A Country with Rich Human Resources

- Nine year compulsory education.
- Chinese education will be the development of the moral and ethical character of the nation's workforce.
- must serve the construction of the socialist modernization, be combined with production and labor, and foster builders and successors with all round development of morality, intelligence and physique for the socialist cause.





Primary

38 weeks of teaching and 13 weeks of holidays

Moral Education, Chinese Language, Mathematics, Social Studies, Natural Science, Physical Education, MusicArts, and Labour Services,

Secondary

Politics, Chinese Language, Mathematics, Foreign Language, History, Geography, Physics, Chemistry, Biology, Physical Education, Music, Art, and Household Skills.



Compulsory module(secondary)

- Mathematics 1: Set, concept of function, and basic elementary function I (exponential function, logarithmic function, power function).
- Mathematics 2: Preliminary solid geometry, preliminary plane analytic geometry.
- Mathematics 3: Preliminary algorithms, statistics, probability.
- Mathematics 4: Basic elementary function II (trigonometric function), vectors on a plane, trigonometricidentity transformation.
- Mathematics 5: Solution of a triangle, sequence, inequality

MTII 6

Assesment method & grading

- Formative
- Year-end
- Term-end

(Maths and Chinese compulsory exam)

	rading Scales for hools in China	Most Common Grading Scales for Secondary Schools in China			
GRADE	WES EQUIVALENT	GRADE	WES EQUIVALENT		
85-100	A	127-150	А		
75-84	В	112-126	В		
60-64	С	90-111	С		
0-59	F	0-89	F		



Teaching approaches/methods

"chalk and talk" approach

 teacher-directed method of learning, where the teacher spends more time standing at the front of the class, directing learning and controlling classroom activities.



THANK YOU