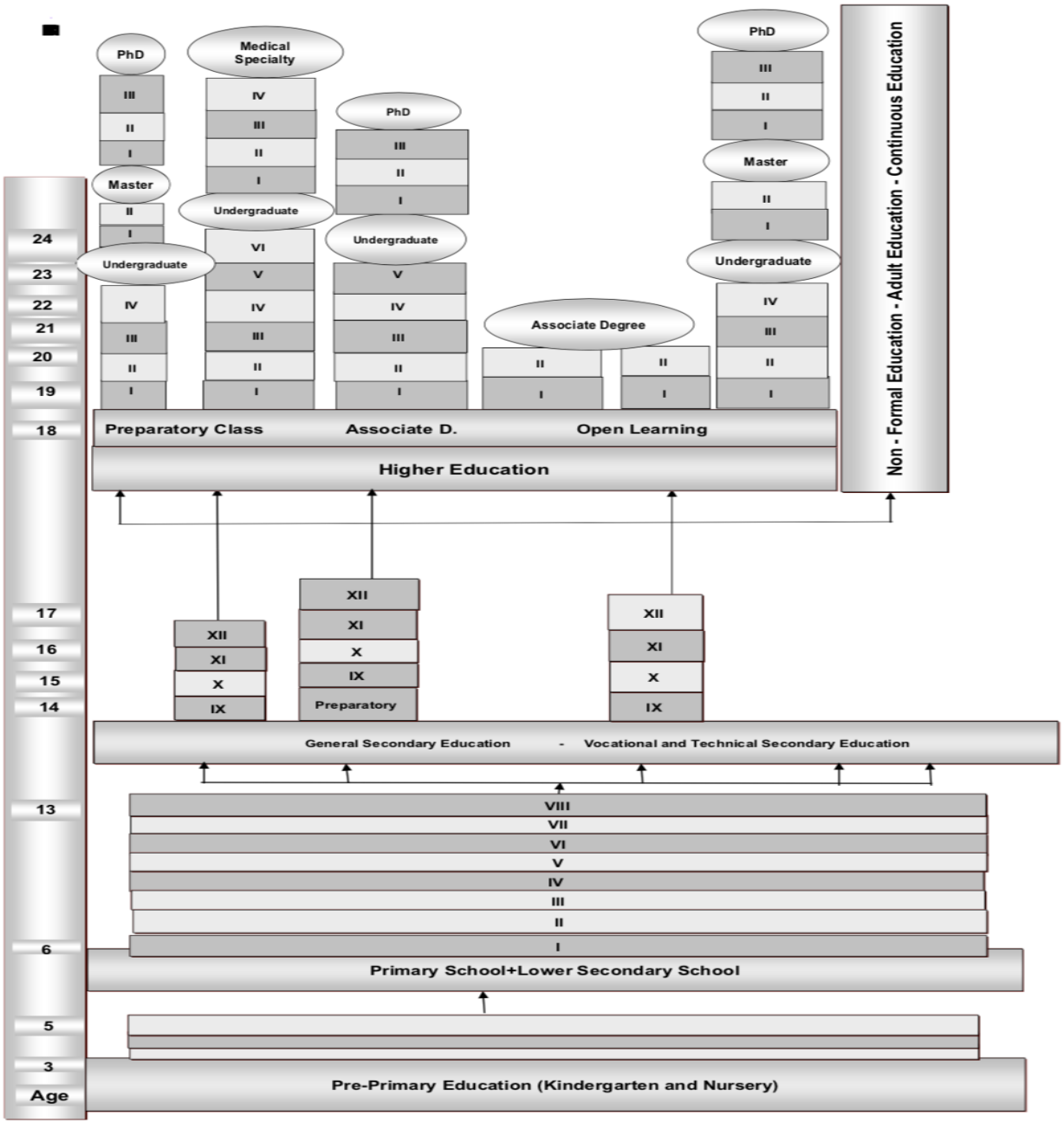
Republic of Turkey
Ministry of National Education

Republic of Turkey

Turkish National Education System



Student Numbers&Schooling Rates

Level	Number	Ratio
Pre-Primary	1 m 501	%66
Primary	5 m 104	%91
Lower Secondary	5 m 590	%94
Secondary	5 m 689	%83
University	7 m 885	%45
Total	**25 m 769**	

Aim of a Science Program

Scientific Skills

- Observation
- Measurement
- Data recording/using
- Hypothesis development
- Experimentation
- Modelling

Life Skills

- Analytic thinking
- Decision taking
- Innovative&creative thinking
- Entrepreneurship
- Communication
- Team work

Science Curriculum

3rd Grade					
No	**Unite**	**Subject Field**	**Attainments**	**Duration**	
				Hour	**%**
1	Our Planet	Earth and Universe	5	9	8,3
2	Five Senses	Life and Living	3	6	5,6
3	Power	Physical Pheonomenon	4	15	13,9
4	Substance	Nature of Substance	4	17	15,7
5	Light and Sound	Physical Pheonomenon	8	21	19,4
6	Living Creatures	Life and Living	8	18	16,7
7	Electrical Gadgets	Physical Pheonomenon	4	22	20,4
Total			**36**	**108**	**100**

Environmental Issues

Table A6.1. **Percentage of 15-year-old students who report being aware or well aware of environmental issues, by science proficiency level (2015)**

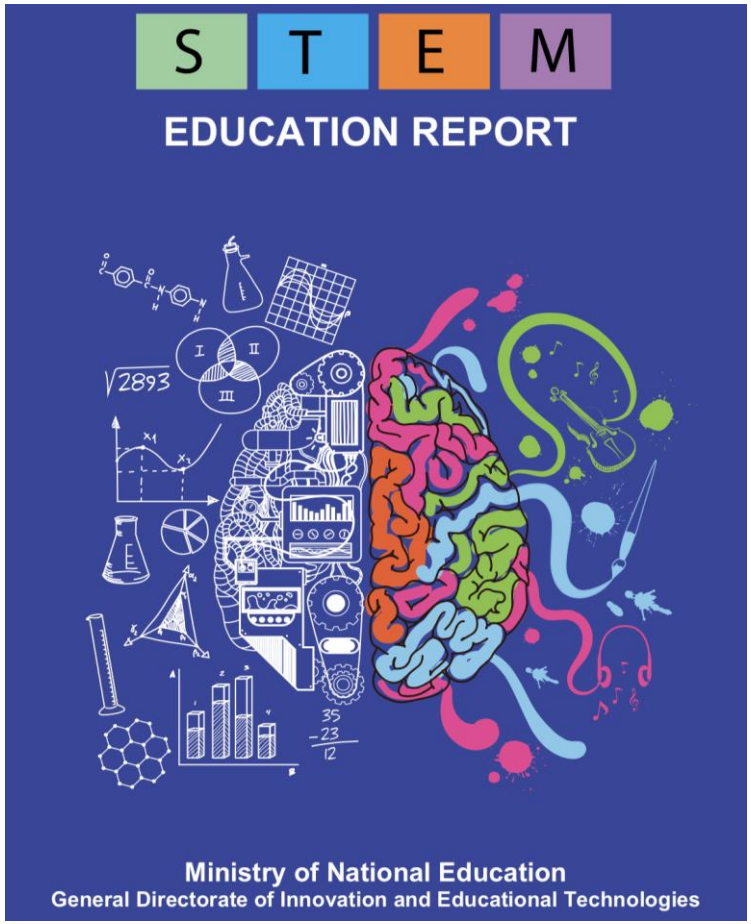
Programme for International Student Assessment (PISA)

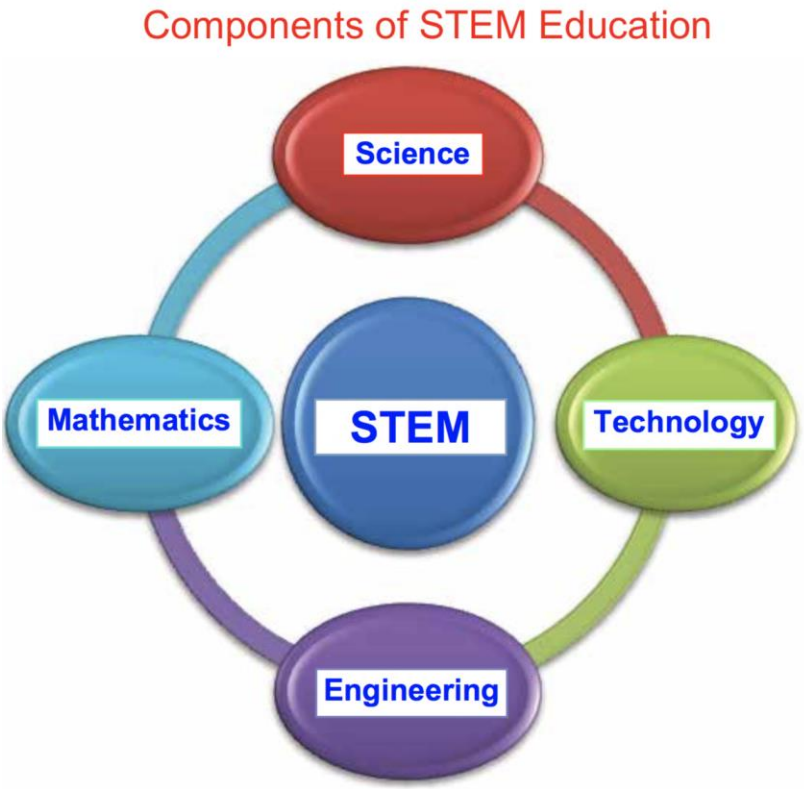
	Increase of greenhouse gases in the atmosphere						Use of genetically modified organisms		Nuclear waste		Consequences of deforestation for other land use		Air pollution		Extinction of plants and animals		Water shortage	
	Science proficiency: Below Level 2		Science proficiency: Level 5 or above		All science proficiency levels		All science proficiency levels		All science proficiency levels		All science proficiency levels		All science proficiency levels		All science proficiency levels		All science proficiency levels	
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.
Switzerland	27	(2.4)	92	(1.7)	60	(1.2)	34	(0.9)	58	(0.9)	70	(0.8)	81	(0.7)	74	(0.8)	62	(1.1)
Turkey	40	(1.3)	c	c	55	(1.3)	70	(1.2)	69	(0.8)	75	(0.9)	87	(0.8)	85	(0.7)	82	(0.7)
United Kingdom	51	(1.8)	98	(0.7)	80	(0.7)	55	(1.1)	62	(1.0)	78	(0.6)	83	(0.6)	82	(0.5)	59	(0.8)
United States	33	(1.8)	88	(2.0)	55	(1.2)	49	(1.0)	53	(1.0)	74	(0.8)	83	(0.7)	81	(0.5)	69	(0.8)
OECD average	35	(0.3)	94	(0.3)	64	(0.2)	42	(0.2)	55	(0.1)	73	(0.1)	83	(0.1)	79	(0.1)	71	(0.1)
EU22 average	36	(0.5)	95	(0.3)	66	(0.2)	41	(0.2)	58	(0.2)	75	(0.2)	84	(0.1)	79	(0.1)	72	(0.2)

Fatih Project&E-learning Platform (EBA)

- Interactive whiteboards provided for schools,
- broadband internet infrastructure,
- tablet computers provided for teachers and students,
- electronic content provided by EBA are informatics technologies that students can use to improve their questioning, researching, product creating and inventing skills.

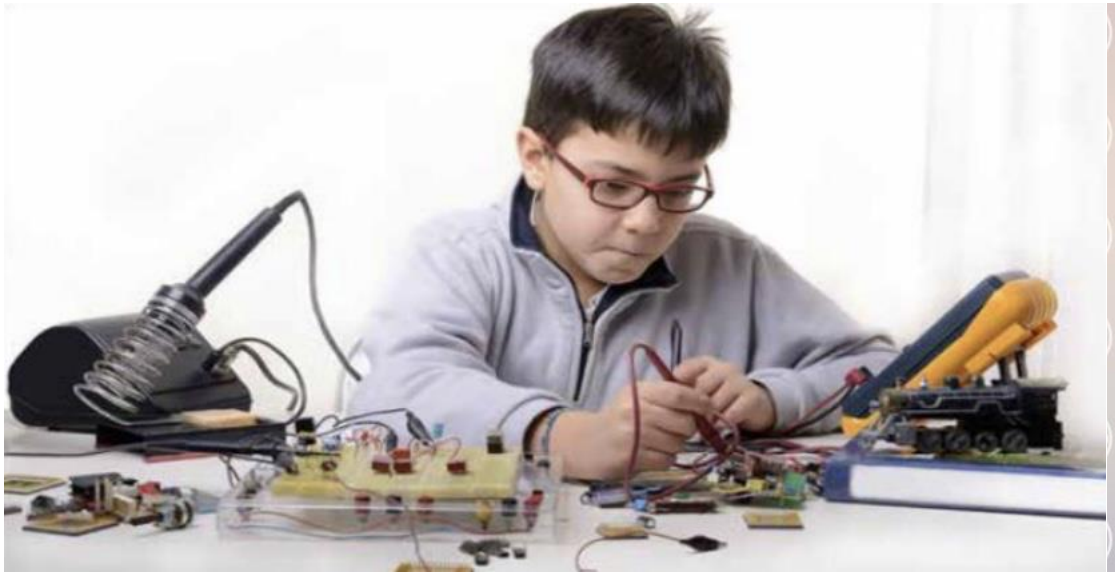
STEM MEB


S T E M
EDUCATION REPORT
Ministry of National Education
General Directorate of Innovation and Educational Technologies


Components of STEM Education
Science
Mathematics
STEM
Technology
Engineering

The Scientific and Technological Research Council of Turkey (TÜBİTAK)

- Promoting Science Education and Schools
- Supporting STEM education
- Launching science centers in several cities



2023 Education Vision

A new series of regulations on Turkey's schooling system as part of National Education Ministry's "2023 vision".

The year 2023 marks the centenary of the Republic of Turkey

2023 Education Vision

- Kindergarten education would be compulsory after necessary arrangements are completed.
- Additional financial support will be given to schools.
- A number of measures will be taken to encourage teachers working in underprivileged regions.

The Nobel Prize in Chemistry 2015-Aziz SANCAR

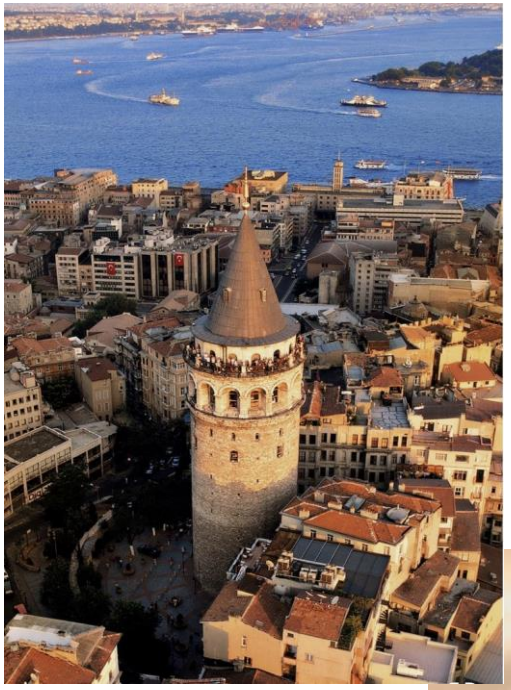
Aziz Sancar Born: 8 September 1946, Savur, Turkey

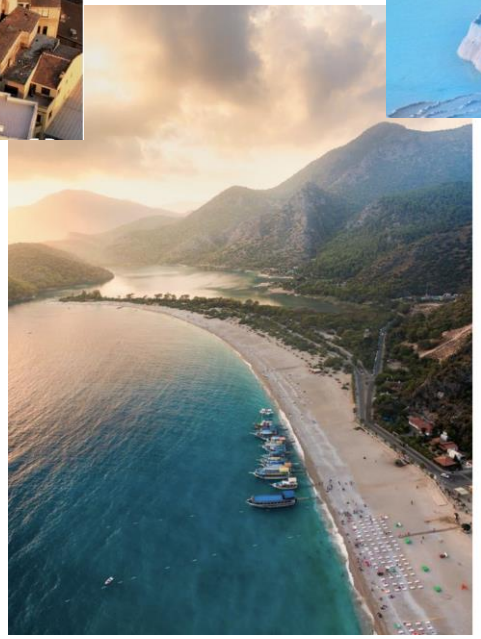
Prize motivation: "for mechanistic studies of DNA repair.»

His advice to youth:

- Give all your energy to work
- Try to learn science
- Be proud of yourself

Visit Turkey





Thank You

Olga SANLI GERGER
olgasanli@meb.gov.tr