



TUYMAADA

The Mikhail Alekseev
XXX International Tuymaada Olympiad
in mathematics, physics, chemistry and informatics
for school students

2023



Dr Vasilii Pavlov
Rector
Sakha Science Academy



Dear friends and colleagues, the fantastic organizers of the Olympiad,
The esteemed members of the Olympiad' Jury, the most impressive constellation of task composers!

I, as the rector the Sakha Science Academy for Gifted and Talented School Students,
the main day-to-day organizing entity of the Mikhail Alekseev International Tuymaada Olympiad,
am extremely delighted to host the 30th Jubilee Issue!

I would like to thank on behalf of the Olympiad Organizing Committee our most excellent,
courageous, smart and outstanding participants from Romania, Kazakhstan, Singapore and Indonesia!

I would like to express our deepest gratitude to the NUS High School of Math and Science of Singapore,
Colegiul National Sfantul Sava of Bucharest, 'Andrei Şaguna' National College of Brasov,
the Daryn Republic's Scientific and Practical Center of the Ministry of Education and Science of
the Republic of Kazakhstan, the Yayasan SIMETRI School of Banten Indonesia and
the Wardaya College of Jakarta Indonesia for your great support.

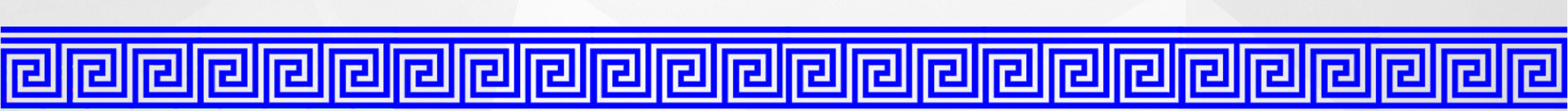
I also would like to thank all the top-level school from regions of the Russian Federation:
Moscow Oblast, Voronezh Oblast, Novosibirsk Oblast, Penza Oblast, Sverdlovsk Oblast, Stavropol Kray,
Republic of Buryatia and Tatarstan for fielding online and sending your teams for offline participation.

The strength of the Tuymaada International Olympiad is the community of top international task
composers and Jury members.

I thank you all of you on behalf of organizers. You have done it again in a most amazing way!
Thank you so much!

Thanks and kudos go to the Future Generations Foundation Trust Fund CEO Dr Vladimir Egorov
and the Ministry of Education and Science of the Republic of Sakha (Yakutia).

I would like on behalf of the Organizing Committee invite you again to take part
in the 31st Mikhail Alekseev Tuymaada International Olympiad in July 2024!



The Mikhail Alekseev International Tuymaada Olympiad in Math, Physics, Chemistry and Informatics

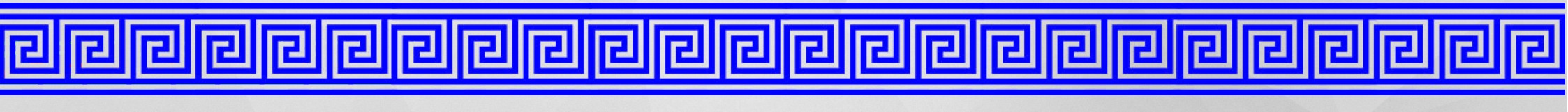
In 1994 the first President of the Republic of Sakha (Yakutia) His Excellency Mikhail Nikolaev signed the “Odarennye deti” ("Gifted children") Presidential Program paving a way to the inception of the the International Tuymaada Olympiad for school students in Math, Physics, Chemistry and Informatics (ITO).

ITO annually invites school student from different regions of the Russian Federation and countries near and far abroad ever since.

ITO organizers are the Ministry of Education and Science of the Republic of Sakha (Yakutia), the Maksim Ammosov North-Eastern Federal University, the Sakha Science Academy, the S.N.Donskoi-II Education Development and Advanced Teacher Training Institute, the Academy of Sciences of the Republic of Sakha (Yakutia).

ITO's goals are the facilitation of the development of the intellectual potential in school student and youth, the popularization of fundamental sciences, the promotion of international cooperation and communication.

In 2023 the Jubilee 30th International Tuymaada Olympiad for school students is held from July 2 - 10 in a mixed format (online and offline).



PROGRAMME

local time (UTC +9)	Event	Note
July 2		
4:00-5:30 pm	System testing, site verification, installation workshop for online participants on Mathematics, Chemistry. Trial tour in Informatics.	Preparation of webcams, headphones. Logins and passwords have been sent to team leaders.
July 3		
03:30 pm	Introductory seminar for participants, informing about the technical regulations in MATHEMATICS with online broadcast	Conference Zoom
03:30 pm	Introductory seminar for participants, informing about the technical regulations in CHEMISTRY with online broadcast	Conference Zoom.
05:00 pm	The grand opening of the M.Alekseev XXX International Olympiad "Tuymaada" in mathematics, physics, chemistry and informatics	Conference Zoom

July 4		
03:00-08:00 pm	Olympiad: the first day (first rounds)	video surveillance system proctoring
08:30 pm	Cultural evening. Presentation of the teams via video connection.	Conference Zoom
July 5		
03:00-08:00 pm	Olympiad: the second day (second rounds)	video surveillance system proctoring
04:00 pm	The methodological seminar "Gifted education: International and Russian Experiences"	Conference Zoom
July 6-8		
	Olympiad: verification of works	
JULY 9		
10:00 am	Preliminary results of the Olympiad and the beginning of accepting applications for appeal in MATHEMATICS, PHYSICS, CHEMISTRY and INFORMATICS	Preliminary results are published on the Olympiad website http://tuymaada.lensky-kray.ru/en/ Acceptance of applications via the organizers' e-mail
05:00 pm	Appeal for participants of the Olympiad in MATHEMATICS, PHYSICS, CHEMISTRY and INFORMATICS	via the video communication platform
10 ИЮЛЯ,		
05:00 pm	Closing ceremony of the M. Alekseev XXX International Olympiad "Tuymaada" in mathematics, physics, chemistry and informatics	Conference Zoom

№	countries	OfficialNames	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	Russia	Agin-Buryat Autonomous Okrug, Russia					1													
2	Russia	Altai Krai, Russia						8		3	1	3	2		3	4				
3	Russia	Amur Oblast, Russia																	10	
4	Russia	Chelyabinsk Oblast, Russia															3			3
5	Russia	Chuvash Republic, Russia												1						
6	Russia	Irkutsk Oblast, Russia		9				11	8	5	16	14	13	10	7	7	10	6	5	5
7	Russia	Kaliningrad Oblast, Russia																	3	1
8	Russia	Kaluga region																		
9	Russia	Kamchatka Krai, Russia										2							1	
10	Russia	Kemerovo Oblast, Russia	4								1			1			1			
11	Russia	Khanty-Mansi Autonomous Okrug-Yugra, Russia														1				
12	Russia	Krasnoyarsk Krai, Russia										10								
13	Russia	Kurgan Oblast, Russia																		2
14	Russia	Moscow, Russia																		
15	Russia	Moscow Oblast, Russia							1			2		4		8			2	2
16	Russia	Nizhny Novgorod Oblast,												1	10	5	2	3		
17	Russia	Novosibirsk Oblast, Russia						3	1	1		1					3		3	3
18	Russia	Penza Oblast, Russia												1				1	1	
19	Russia	Perm Krai, Russia												3	1					
20	Russia	Primorsky Krai, Russia								3	3	3	3	6	6	5	3	4	5	5
21	Russia	Republic of Bashkortostan, Russia																		
22	Russia	Republic of Buryatia, Russia		4	2	6	2		5								1		1	1
23	Russia	Republic of Mordovia, Russia											1	1	2	1				
24	Russia	Republic of North Ossetia- Alania, Russia																		
25	Russia	Republic of Sakha (Yakutia), Russia	25	37	27	39	46	41	57	48	53	75	54	58	53	52	52	61	62	57
26	Russia	Republic of Tatarstan, Russia												2		2	5			
27	Russia	Saint Petersburg, Russia								1	2	2	2	2	2	4	2			3
28	Russia	Samara Oblast, Russia					1													
29	Russia	Sakhalin Oblast, Russia														4				
30	Russia	Saratov Oblast, Russia													1					
31	Russia	Sverdlovsk Oblast, Russia									1									
32	Russia	Tomsk Oblast, Russia	5	6	4	4	4	6												
33	Russia	Tyva Republic, Russia	4	9	11	5														
34	Russia	Khabarovsk Krai, Russia										4				5				
35	Russia	Yamalo-Nenets							3											
36	National team	Russian Federation Team											3	2		3	3	3	7	3
37	Russia	Rostov Oblast																		
38	Russia	Stavropol region																		
39	Russia	Voronezh Region																		
1		Alaska, U.S.A.	3				4													
2		Federal Republic of Germany		2	2				2		5	7	9							
3		Federal Democratic Republic of Nepal																		
4		French Republic			1			1												
5		Hong Kong SAR, China																		
6		Islamic Republic of Iran	37																	
7		Kingdom of Belgium						6		8										
8		Kingdom of Thailand				5														
9		Kyrgyz Republic														1				
10		Mongolia		7				5												
11		People's Republic of Bangladesh																		
12		People's Republic of China			8	8	9	8	2	22	11		9	10						
13		Republic of Azerbaijan													2	4				
14		Republic of Belarus																		
15		Republic of Bulgaria										6	6		6		11	9		6
16		Republic of Indonesia																	1	
17		Republic of Kazakhstan											7	12	22	43	30	38	40	45
18		Republic of Korea				3						4								
19		Republic of Singapore																		
20		Republic of Tajikistan																		
21		Romania	8	8	8	7	8	8	14	8	10	12	11	11	12	22	22	23	23	24
22		Ufuk Fund Team, Turkey			4	3	3													
23		United Mexican States											3			2				
		Total	86	82	67	80	78	97	93	99	103	145	123	125	127	173	148	148	164	160

N°	country	Official Names	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Total
1	Russia	Agin-Buryat Autonomous Okrug, Russia													1
2	Russia	Altai Krai, Russia													24
3	Russia	Amur Oblast, Russia		1											11
4	Russia	Chelyabinsk Oblast, Russia	5	8											19
5	Russia	Chuvash Republic, Russia													1
6	Russia	Irkutsk Oblast, Russia	3	6	5	5									145
7	Russia	Kaliningrad Oblast, Russia					3	1							8
8	Russia	Kaluga region									2				2
9	Russia	Kamchatka Krai, Russia													3
10	Russia	Kemerovo Oblast, Russia													7
11	Russia	Khanty-Mansi Autonomous Okrug-Yugra, Russia													1
12	Russia	Krasnoyarsk Krai, Russia													10
13	Russia	Kurgan Oblast, Russia													2
14	Russia	Moscow, Russia		5	2		7		5		1		4	1	25
15	Russia	Moscow Oblast, Russia	1		7	8	3	3	3		6			4	54
16	Russia	Nizhny Novgorod Oblast,					1								22
17	Russia	Novosibirsk Oblast, Russia	3	3	3	6	4	3		2		8	20	11	78
18	Russia	Penza Oblast, Russia					1						3	3	10
19	Russia	Perm Krai, Russia													4
20	Russia	Primorsky Krai, Russia	6	5	3	8	5					4			77
21	Russia	Republic of Bashkortostan, Russia				2									2
22	Russia	Republic of Buryatia, Russia	2	4					9	7	10	7		4	65
23	Russia	Republic of Mordovia, Russia		6	5	15	11					5			47
24	Russia	Republic of North Ossetia- Alania, Russia					1								1
25	Russia	Republic of Sakha (Yakutia), Russia	54	51	54	56	61	54	83	52	39	37	48	47	1533
26	Russia	Republic of Tatarstan, Russia		11		5	7	8	10		12	12	37	18	129
27	Russia	Saint Petersburg, Russia	1	3	2	1					10	1			38
28	Russia	Samara Oblast, Russia					3								4
29	Russia	Sakhalin Oblast, Russia													4
30	Russia	Saratov Oblast, Russia					1								2
31	Russia	Sverdlovsk Oblast, Russia											10	18	29
32	Russia	Tomsk Oblast, Russia													29
33	Russia	Tyva Republic, Russia			2										31
34	Russia	Khabarovsk Krai, Russia													9
35	Russia	Yamalo-Nenets													3
36	National team	Russian Federation Team	4	4	3	2	2								39
37	Russia	Rostov Oblast											17		17
38	Russia	Stavropol region												3	3
39	Russia	Voronezh Region												1	1
1		Alaska, U.S.A.													7
2		Federal Republic of Germany													27
3		Federal Democratic Republic of Nepal							1						1
4		French Republic													2
5		Hong Kong SAR, China							21						21
6		Islamic Republic of Iran								11	6	3	7		64
7		Kingdom of Belgium													14
8		Kingdom of Thailand													5
9		Kyrgyz Republic													1
10		Mongolia	15	15											42
11		People's Republic of Bangladesh							1						1
12		People's Republic of China													87
13		Republic of Azerbaijan													6
14		Republic of Belarus							1						1
15		Republic of Bulgaria					2			8	2	6			62
16		Republic of Indonesia		1	1			4			22	25	25	23	102
17		Republic of Kazakhstan	66	38	72	72	36	44	21	23	37	74	143	75	938
18		Republic of Korea													7
19		Republic of Singapore						7	12	7	2	5	7	5	45
20		Republic of Tajikistan								5					5
21		Romania	23	24	23	24	18	20	24	37	3	22	34	4	495
22		Ufuk Fund Team, Turkey													10
23		United Mexican States													5
		Total	183	185	182	204	166	144	191	152	152	209	355	217	4438

217
participants

30th TUYMAADA **International Tuymaada Olympiad**

64 offline
153 online

63 members of
Methodological
Commission
and Jury

10 regions
of Russia

5 countries



COUNTRY-PARTICIPANT



RUSSIAN FEDERATION



INDONESIA



KAZAKHSTAN



ROMANIA



SINGAPORE

TEAMS

RUSSIAN FEDERATION

1. Specialized Educational Scientific Center, Novosibirsk State University
2. P.L.Kapitsa PhysTech Lyceum for Natural Sciences and Mathematics
3. Advanced Educational Center IT Lyceum, Kazan Federal University
4. Gubernskii Lyceum State Budgetary Non-Standard Educational Institution, Penza Region
5. #61 Lyceum-Boarding School for Gifted Children, Republic of Buryatia
6. Specialized Educational Scientific Center, the first President of Russia B.N.Yeltsin Uralskii Federal University
7. #26 Musa Jalil Lyceum, Tatarstan
8. Specialized Educational Scientific Center, North-Caucasus Federal University
9. Specialized Educational Scientific Center Engineering Lyceum-Boarding School, KAI-Tupolev Kazan National Research Technical University
10. Comprehensive School at the Center for Pedagogical Excellence, an autonomous non-profit organization, Moscow
11. Orion Regional Center, Voronezh Region
12. Nikolai Lobachevskii Lyceum, Kazan Federal University
13. First National Team of the Republic of Sakha (Yakutia)
14. Second National Team of the Republic of Sakha (Yakutia)

REPUBLIC OF KAZAKHSTAN

Daryn, a Republic's Scientific and Practical Center,
Ministry of Education and Science, Kazakhstan

ROMANIA

1. National College Sfantul Sava, Bucharest
2. Andrei Şaguna National College, Brasov

SINGAPORE

NUS High School for Mathematics and Science

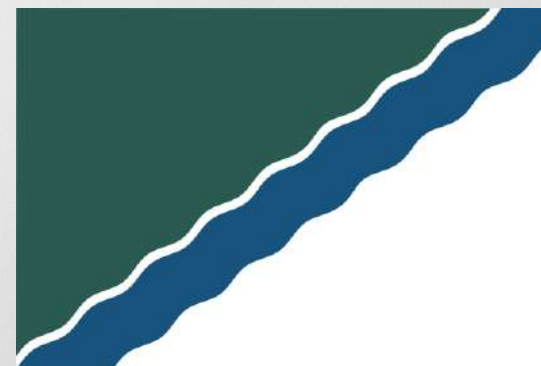
INDONESIA

1. Wardaya College
2. Yayasan SIMETRI



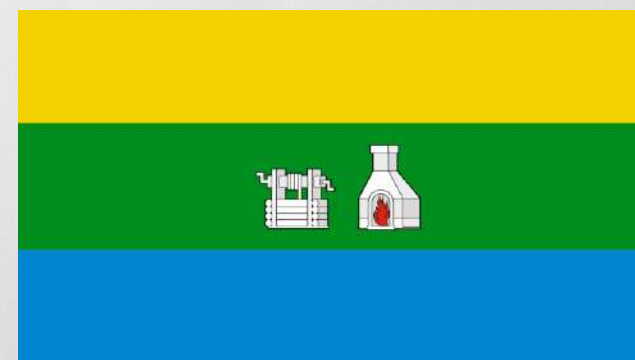


Specialized Educational Scientific Center,
Novosibirsk State University





**Specialized Educational Scientific Center,
the first President of Russia B.N.Yeltsin
Uralskii Federal University
Ekaterinburg, Russia**





**Specialized Educational Scientific Center,
North-Caucasus Federal University
Stavropol region, Russia**



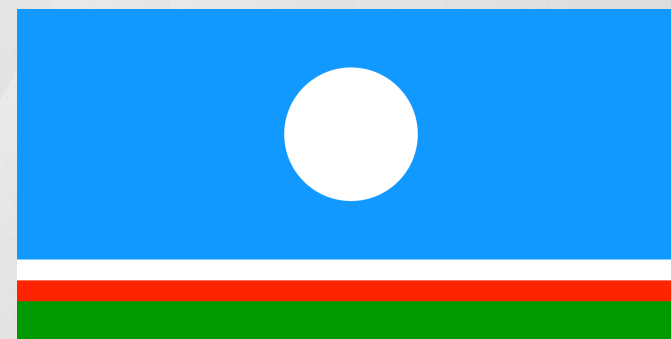


**Specialized Educational Scientific Center
Engineering Lyceum-Boarding School,
KAI-Tupolev Kazan National Research Technical University
Republic of Tatarstan, Russia**



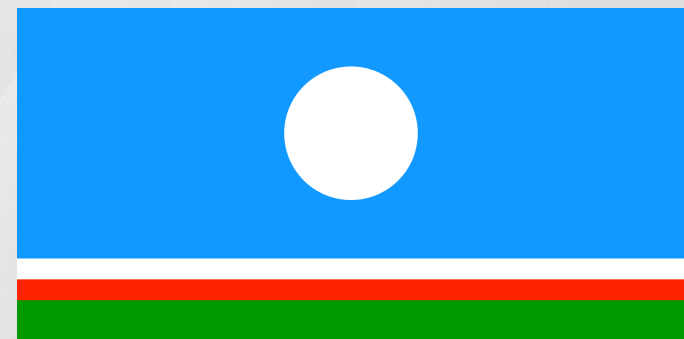


**First National Team of the
Republic of Sakha (Yakutia),
Russia**





Second National Team
of the Republic of Sakha (Yakutia),
Russia



MATHEMATICS JURY



Dr. Konstantin Kokhas
Mr. Aleksandr Golovanov
Dr. Sergei Popov
Dr. Evgenii Sharin
Mr. Nikolai Nikolaev
Mr. Ilya Kysylbaikov
Dr. Nikolai Popov
Mr. Erchimen Izbekov
Mr. Stepan Safonov
Mr. Tiit Pavlov
Mr. Egor Fedotov
Mr. Semyon Verkhovtsev
Mr. Yan Vlasov
Mr. Nikolai Dmitriev

PHYSICS JURY



Dr. Yurii Grigoriev
Mr. Aleksandr Chudnovskiy
Dr. Anatolii Vlasov
Dr. Efim Neustroev
Mr. Victor Potapov
Mr. Roman Gotovtsev
Mr. Petr Nogovitsyn
Mr. Vadim Yakovlev
Mr. Alexey Grigoriev
Mr. Radimir Dyakonov
Mr. Vladimir Tarabukin
Mr. Afanasii Sleptsov
Mr. Stanislav Novikov
Mr. Evgenii Boyakinov
Mr. Anatolii Kolodeznikov
Mr. Mihail Diyachkovskii
Mr. Georgii Sannikov

CHEMISTRY JURY



Dr. Marina Sokolova
Dr. Alexandr Spiridonov
Dr. Tatiana Struchkova
Dr. Aytalina Okhlopkova
Dr. Viktoriya Vereikina
Mr. Alexey Golikov
Mr. Semyon Sivtsev
Mr. Sergey Pavlov
Mr. Artur Okoneshnikov
Mr. Georgiy Emelyanov
Mr. Alexey Starostin
Mrs. Sakhayana Danilova
Mrs. Marfa Markova
Mr. Viktor Reshetnikov
Mr. Tatiyana Stepanova
Mrs. Dolguiaana Sidorova

INFORMATICS JURY



Dr. Nikifor Pavlov
Dr. Yuri Antonov
Dr. Sergey Volchenkov
Dr. Alexander Pavlov
Dr. Natalia Nikolaeva
Mr. Vasily Bulatov
Mr. Vitaly Ivanov
Mr. Vladimir Leveryev
Mr. Dulustan Nikiforov
Mr. Vladislav Obudov
Mr. Valery Gavriliev
Mr. Timur Zykov
Mr. Nikita Semenov
Mr. Vladimir Everstov
Mr. Denis Makarov
Mr. Vasilii Parnikov

VOLUNTEERS



ORGANISERS





ORGANIZERS



NORTH-EASTERN FEDERAL UNIVERSITY
IN YAKUTSK



РЕГИОНАЛЬНЫЙ ЦЕНТР
ВЫЯВЛЕНИЯ И ПОДДЕРЖКИ
ОДАРОВЕННЫХ ДЕТЕЙ

PARTNERS



МЕЖДУНАРОДНЫЙ
АЭРОПОРТ ЯКУТСК
ИМЕНИ ПЛАТОНА ОЙУНСКОГО

КЭСКИЛ¹⁴

