

LIST OF THE WINNERS
of the International Forum for Scientific Youth “Step into the Future”-2022

ENGINEERING	
First degree diploma	Vitaly MORENKO Russia, Murmansk Gymnasium № 2, 10 grade OPTICAL SYSTEM FOR REGISTRATION AND ANALYSIS OF PATHOLOGY OF THE VISUAL ORGAN
Second degree diploma	Ilya SHCHEMBELOV Russia, Pskov Pskov Pedagogical Complex, 9 grade DEVELOPMENT OF A SENSOR SYSTEM FOR MANIPULATORS
	Alya ÜNSAL, Elif KOÇ, Hamza Yunus KAYAHAN Turkey, İzmir Buca Municipality Kızılçullu Science and Art Center, 10 grade DETERMINATION OF AGE IN FOODS WITH A CARBON DIOXIDE MONITORING SENSOR
Third degree diploma	Anastasia OZEROVA Russia, Murmansk Gymnasium №2, 11 grade 3D SCANNING OF OBJECTS AND DATA ANALYSIS USING A GENETIC ALGORITHM
	Kyung Won LEE ⁽¹⁾ Da Yul PARK ⁽²⁾ So Min LEE ⁽³⁾ South Korea, Seoul Cheong Shim International Academy, 12 grade ⁽¹⁾ , 11 grade ^(2,3) A STUDY ON THE REMOVAL OF HEAVY METALS USING BROWN ALGAE WASTE
	Ni Luh Ade Sinta DEWI Kadek Dwi Andina WIDYANI Indonesia, Bali, Denpasar SMA Negeri Bali Mandara, 11 grade IDIS (INTELLIGENCE DRIP IRRIGATION SYSTEM): SMART DRIP IRRIGATION INNOVATION WITH AUTOMATION SYSTEM TO OPTIMIZE FOOD PRODUCTION OF CAYENNE PEPPER (CAPSICUM FRUTESCENS L.)
Diploma in the Category “The best start”	Vitaly GORDEEV Russia, Moscow School № 1537, 10 grade MOBILE COMMUNICATION DEVICE FOR PEOPLE WITH DISABILITIES
	Raunak REGMI Kathmandu, Bagmati, Nepal Brainycube Research Organization, 9 grade HELIOSTAT
Award established by the “Step into the Future” Program “High Schooler-inventor” Badge	Vitaly GORDEEV Russia, Moscow School № 1537, 10 grade MOBILE COMMUNICATION DEVICE FOR PEOPLE WITH DISABILITIES
	Nischal POUDEL Kathmandu, Bagmati, Nepal Brainycube Research Organization, 12 grade UNMANNED AERIAL VEHICLE (UAV) FOR MEDICAL AID
The Best Project in the Field of Technologies of the Future	Alya ÜNSAL, Elif KOÇ, Hamza Yunus KAYAHAN Turkey, İzmir Buca Municipality Kızılçullu Science and Art Center, 10 grade DETERMINATION OF AGE IN FOODS WITH A CARBON DIOXIDE MONITORING SENSOR

The Best Project in the Field of Environmental Pollution Problems	Kyung Won LEE ⁽¹⁾ Da Yul PARK ⁽²⁾ So Min LEE ⁽³⁾ South Korea, Seoul Cheong Shim International Academy, 12 grade ⁽¹⁾ , 11 grade ^(2,3) A STUDY ON THE REMOVAL OF HEAVY METALS USING BROWN ALGAE WASTE
Winner of the International Contest of Scientific, Technological and Social Entrepreneurs “Youth. Science. Business”	Vitaly GORDEEV Russia, Moscow School № 1537, 10 grade MOBILE COMMUNICATION DEVICE FOR PEOPLE WITH DISABILITIES
FORMAL SCIENCES	
First degree diploma	Nikita POPLEVIN Russia, Murmansk region, Severomorsk Lyceum No. 1, 10 grade PYRAMIDAL PROPERTY OF INVERSE QUANTITIES
	Ilya KUCHMENKO Daria OMELYUK Russia, Irkutsk region, Bratsk Lyceum No. 2, 10 grade INTORY – APPLICATIONS FOR ONLINE CONFERENCES
Second degree diploma	Yewee CHANG South Korea, Seoul Korean Minjok Leadership Academy, 12 grade IMPROVEMENT OF FEATURE BASED AERIAL IMAGERY MOSAICKING SYSTEM IN MOSAICKING MULTIPLE IMAGES UTILIZING SATELLITE IMAGER
	Atanas DIMITROV Bulgaria, Sofia Sofia high-school of mathematics, 11 grade HILBERTIAN CURVES FOR SOLVING RANGE-QUERY PROBLEMS
Third degree diploma	Hanbyul KANG South Korea, Seoul Korean Minjok Leadership Academy, 12 grade IMPLEMENTATION OF A NEW ENCRYPTION METHOD USING STRING ROTATION AND BIT REVERSAL FOR DATA SECURITY
	Maria Nikolaeva DRENCEVA Bulgaria, Sofia Sofia High School of Mathematics, 10 grade CHESS VARIANTS IN MATHEMATICAL PROBLEMS
Diploma in the Category “The best start”	Mehmet Akif KARAKAŞ Taylan YALÇIN Turkey, İzmir Izmir Science School, 11 grade END-TO-END ENCRYPTED NATIVE SOFTWARE USING THE SIEVE OF ERATOSTHENES AND BINET FORMULA MA_T CHAT / MA_T SOHBET
Award established by the “Step into the Future” Program “High Schooler-researcher” Badge	Fudi WANG China, Emei Emei No. 2 Middle School, Senior 3 ENVIRONMENTAL PORTABLE ASSISTANT

The Best Project in the field of Geodata Processing	Yewee CHANG South Korea, Seoul Korean Minjok Leadership Academy, 12 grade IMPROVEMENT OF FEATURE BASED AERIAL IMAGERY MOSAICKING SYSTEM IN MOSAICKING MULTIPLE IMAGES UTILIZING SATELLITE IMAGER
The Best Project in the Field of Mathematics and Its Applications in Information Technology	Atanas DIMITROV Bulgaria, Sofia Sofia high-school of mathematics, 11 grade HILBERTIAN CURVES FOR SOLVING RANGE-QUERY PROBLEMS
The Best Project in the Field of Game Theory	Maria Nikolaeva DRENCEVA Bulgaria, Sofia Sofia High School of Mathematics, 10 grade CHESS VARIANTS IN MATHEMATICAL PROBLEMS
Winner of the International Contest of Scientific, Technological and Social Entrepreneurs "Youth. Science. Business"	Ilya KUCHMENKO Daria OMELYUK Russia, Irkutsk region, Bratsk Lyceum No. 2, 10 grade INTORY – APPLICATIONS FOR ONLINE CONFERENCES
NATURAL SCIENCES	
First degree diploma	Katherine CHEN Taipei, Taiwan, Taipei Fuhsing Private School, 11 grade TARGETING THE TRANSPORT OF CYSTINE AS A NOVEL THERAPEUTIC APPROACH FOR HEPATOCELLULAR CARCINOMA
Second degree diploma	Fransiska FU Nikita NURDIANSYAH Indonesia, Pontianak, West Kalimantan SMA Katolik Santu Petrus, 11 grade SANIK-COMPOSITE EDIBLE FILM
	Haoran JIANG ⁽¹⁾ Shutong ZHANG ⁽²⁾ China, Hefei Hefei No.8 High school, 11 grade ⁽¹⁾ , 12 grade ⁽²⁾ SYNTHESIS OF COPPER TITANATE AND ITS PHOTOCATALYTIC DEGRADATION OF K-ACID WASTEWATER
	Diana GAMAZOVA Kazakhstan, Almaty School lyceum №48, 11 grade EXPERIMENT ON SIMULATING THE EMERGENCE OF «BRICKS OF LIFE» AND TESTING THE THEORY OF ABIOGENESIS: BIOCHEMICAL EVOLUTION AS THE BASIS FOR THE EMERGENCE OF THE MOST IMPORTANT BIOLOGICAL POLYMERS
Third degree diploma	Fauzan Abiyu PRATAMA Firdos Bahar SIDIK Indonesia, Special Region of Yogyakarta, Yogyakarta Universitas Pembangunan Nasional Veteran Yogyakarta, 2 year MOC-FAG (MODIFICATION OF COAL FLY ASH GEOPOLYMER): ANALYSIS OF POTENTIAL ENVIRONMENTALLY FRIENDLY ADSORBENTS AS SOLUTIONS IN NEUTRALIZING ACID MINE DRAINAGE
	Sofya GONCHAROVA Russia, Moscow GBOU "School No. 1317", 8th grade EXAMINATION OF WAX MOTH LARVAE FOR BIO-DAMAGE AND BIODEGRADATION OF PLASTIC

	<p>Gayun KIM, Doeun KIM, Jiyoung LEE South Korea, Seoul Cheong Shim International Academy, 11 grade EFFECTS OF PULSED ELECTRIC FIELD ON STERILIZING EFFECTS OF ANTIBIOTICS</p> <p>Devin Inan, Rumeysa Çiçek Turkey, İzmir Buca Municipality Kızılcıllu Science and Art Center, 11 grade DEVELOPMENT OF PAPER-BASED ORIGAMI BIOSENSOR PLATFORMS FOR COLORIMETRIC DETECTION OF BIOCONTAMINANTS</p>
The Best Project In the Field of Systems Biology and Biotechnology	<p>Katherine CHEN Taipei, Taiwan Taipei Fuhsing Private School, 11 grade TARGETING THE TRANSPORT OF CYSTINE AS A NOVEL THERAPEUTIC APPROACH FOR HEPATOCELLULAR CARCINOMA</p>
The Best Project In the Field of General Biology	<p>Diana GAMAZOVA Kazakhstan, Almaty School lyceum №48, 11 grade EXPERIMENT ON SIMULATING THE EMERGENCE OF «BRICKS OF LIFE» AND TESTING THE THEORY OF ABIOGENESIS: BIOCHEMICAL EVOLUTION AS THE BASIS FOR THE EMERGENCE OF THE MOST IMPORTANT BIOLOGICAL POLYMERS</p>
Best Project in the Field of Interdisciplinary Chemical Technologies	<p>Devin Inan, Rumeysa ÇİÇEK Turkey, İzmir Buca Municipality Kızılcıllu Science and Art Center, 11 grade DEVELOPMENT OF PAPER-BASED ORIGAMI BIOSENSOR PLATFORMS FOR COLORIMETRIC DETECTION OF BIOCONTAMINANTS</p>
Diploma in the Category "The best start"	<p>Lintang HIKARU, Athoillah Farhan ABSHOR, Nadira Berliana CYRIL Indonesia, East Java, Malang MAN 2 Kota Malang, 11 grade STROKE SURVIVOR DOCUMENTARY VIDEO WITH MADURESE TRANSLATION: EDUCATION FOR CORRECTING MISPERCEPTIONS OF STROKE PATIENTS' FAMILIES IN SUMENEP REGENCY, INDONESIA</p>
	<p>Artemy YEVLAKHOV Russia, Samara Lyceum No. 1 "Satellite", 5 grade STUDY OF THE EFFECT OF PHYSICAL ACTIVITY ON MENTAL ACTIVITY</p>
Award established by the "Step into the Future" Program "High Schooler-researcher" Badge	<p>Khamit TOREGELDY Kazakhstan, Petropavlovsk Specialized kazakh school-gymnasium named after Abay, 8 grade METHODS OF DEEMULSIFICATION OF WATER</p>
	<p>Hatice Kübra EROĞLU, İremsu AŞLAKÇI Turkey, Sakarya İstanbul Erkek Lisesi, high school PURIFICATION OF WATER FROM HERBAL OIL, MINERAL OIL AND PETROLEUM PRODUCTS BY BEINGUSED KAPOK FIBER</p>
	<p>Yaroslavna KOVALENKO Irkutsk region, Bratsk Gymnasium No. 1 named after A.A. Inozemtsev, 11 grade WHAT IS MORE EFFECTIVE IN THE FIGHT AGAINST MOLD – "LIFE HACKS" FROM THE INTERNET OR SPECIAL CHEMICALS?</p>

<p>Award established by the "Step into the Future" Program</p> <p>"High Schooler-inventor" Badge</p>	<p>Klinka Feyruz CHALISA, Armelyza Adler RUSTAM Indonesia, Jakarta Taruna Bakti High school, Grade ,11/3rd year of high school UTILIZATION OF ESCHERICHIA COLI IN CONTIMINATED WATER IN THE CITARUM RIVER AS A DUAL CHAMBER BASED ON MICROBIAL FUEL CELL (MFC) SUBSTRATE</p> <p>Kis Rindiana SUBROTO, Novita Dian SUSILOWATI Indonesia, Central Java, Cilacap SMA Negeri 1 Maos, 12 grade OPTIMIZATION OF TOPICAL ANTIBIOTICS FROM THE WIJAYAKUSUMA PLANTS (EPIPHYLLUM ANGULINGER) AS FOR MOSQUITO REPELLENT THERAPY OIL</p>
SOCIAL SCIENCES	
<p>First degree diploma</p>	<p>Sean Seugnjoo LEE South Korea, Seoul Seoul International School, 11 grade USING GAME THEORY AND COMPUTER SIMULATIONS TO UNDERSTAND HOW LENIENCY POLICIES CAN BE IMPROVED</p>
<p>Second degree diploma</p>	<p>Egitya Putri Anwar WIJAYA Bhirawa Kusuma WIJAYA Indonesia, West Java, Bandung SMAN 1 PONOROGO, 11 grade PROTECTORS: AN INNOVATIVE THE DESIGN OF SMARTPHONE-BASED SCAVENGER EMPOWERMENT APPLICATION AS A BREAKTHROUGH TO SOLVE THE PROBLEM OF ECONOMIC</p> <p>Shamil DIBIROV Russia, Republic of Dagestan, Makhachkala Gymnasium № 13, 11 grade THE IMPACT OF THE INSTAGRAM SOCIAL NETWORK ON THE DEVELOPMENT OF SMALL BUSINESSES</p>
<p>Third degree diploma</p>	<p>Xiqiu WEN, Jiani TANG China, Chengdu Huayang Middle School, Tianfu New District, Sichuan Province, 3 grade ANALYSIS OF THE LARGE-SCALE PROMOTION FESTIVAL OF E-COMMERCE PLATFORM</p> <p>Ruslan ABDULLAEV Russia, Republic of Dagestan, Makhachkala OANO "Safinat", 10 grade SPEECH FEATURES OF SPORTS TV REPORTAGE (ON THE EXAMPLE OF THE BROADCAST OF THE BIATHLON WORLD CUP IN OBERHOF, GERMANY)</p>
<p>The Best Social Project in the Field of Ecology</p>	<p>Sean Seugnjoo LEE South Korea, Seoul Seoul International School, 11 grade USING GAME THEORY AND COMPUTER SIMULATIONS TO UNDERSTAND HOW LENIENCY POLICIES CAN BE IMPROVED</p>