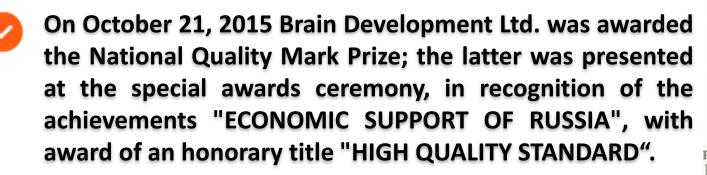




EDUCATIONAL-METHODICAL COMPLEX «ROBOTRACK»

OUR ACHIEVEMENTS

- **Brain Development Ltd. (St. Petersburg)** is a system integrator in the sphere "Development of robotics in Russia" and a resident of the cluster "Development of information technologies, radioelectronics, instrumentation, communications and telecommunications of St. Petersburg".
- May 17, 2017 Brain Development Ltd. became a winner of the annual Prize "The Impulse of Goodness" for its contribution to the development and promotion of social entrepreneurship in Russia. The prize was established by the Foundation for Regional Social Programmes "Our Future".





ЗСЕРОССИЙСКАЯ ПРЕМИЯ НАЦИОНАЛЬНАЯ МАРКА КАЧЕСТВА Brain Development is a developer and producer of the robotic complex ROBOTRACK for the educational system, from kindergarten to the university, being a managing company for institution of International network of Robotrack educational robotics centers.





Within the framework of the Children's Goods Industry Congress, on September 29, 2017, a ceremony of awarding the best national producers took place. By the results of the Rating competition of the Ministry of Industry and Trade of the Russian Federation, the company Brain Development entered the TOP-10 of the best Russian producers.

Brain Development Ltd. is an official representative of the International Youth Robotic Association IYRA in Russia.



ИЧЕСКИХ

AFEHTCTBO

ИНИЦИАТИВ

The Robotrack project was supported by the Agency for Strategic Initiatives (ASI) (Moscow).

Brain Development Ltd. is a winner of the International Competition "Innovations and Development" in the nomination "Innovations in education" and entered the list of top 100 enterprises and organizations of Russia.





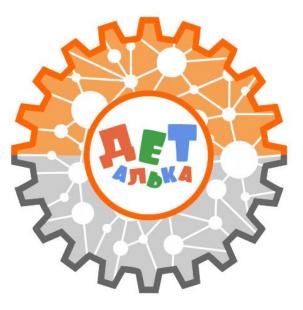
In March 2016, Brain Development Ltd. became a winner of the 1st cross-sectoral competition of producers and suppliers of educational equipment and teaching aids for supplementary education, extracurricular, cultural and leisure activities "The Teachers' Choice". The Robotrack complex robotic was awarded the status of "Recommended by the pedagogical community". In 2017, the Resource kits NEUROTRACK and VIDERETRACK mark of distinction "Recommended by got a the pedagogical community".

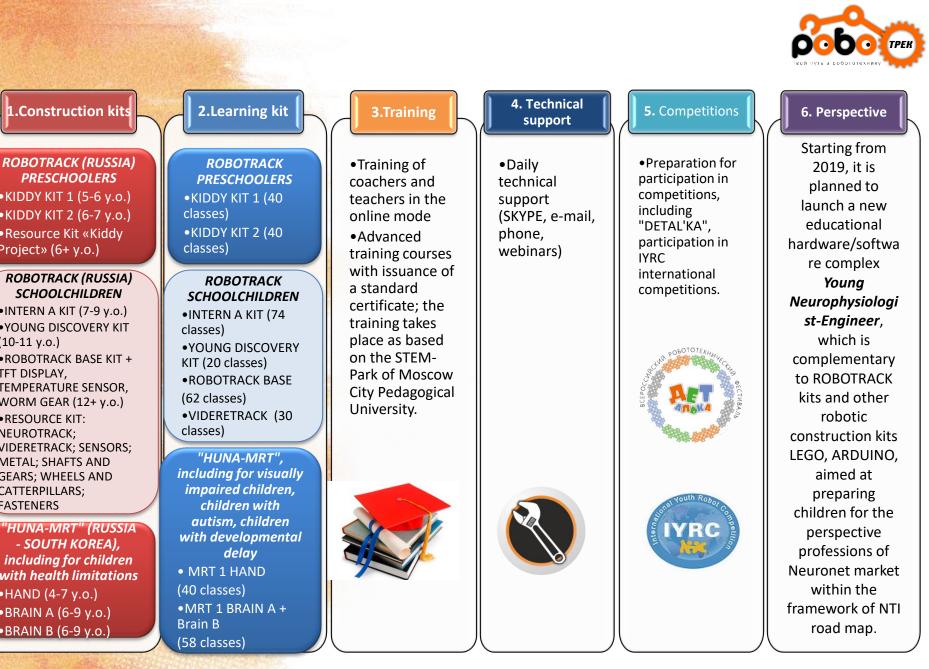
Brain Development Ltd. (St. Petersburg) is a resident of the cluster "North-West Federation of Innovative Educational Projects".



The project is implemented with the support of the Foundation for assistance to small business in the scientific and technical sphere.

Brain Development Ltd. (St. Petersburg) is an official organizer of the All-Russian stage of robotic competitions for preschoolers and schoolchildren "DETAL'KA" within the framework of International competitions IYRC.





SCHOOLCHILDREN •INTERN A KIT (7-9 y.o.) YOUNG DISCOVERY KIT (10-11 y.o.) ROBOTRACK BASE KIT + TFT DISPLAY, TEMPERATURE SENSOR, WORM GEAR (12+ y.o.) • RESOURCE KIT: NEUROTRACK; VIDERETRACK; SENSORS; METAL; SHAFTS AND GEARS; WHEELS AND CATTERPILLARS; FASTENERS

1.Construction kits

PRESCHOOLERS

• KIDDY KIT 1 (5-6 y.o.)

• KIDDY KIT 2 (6-7 y.o.)

• Resource Kit «Kiddv

ROBOTRACK (RUSSIA)

Project» (6+ y.o.)

"HUNA-MRT" (RUSSIA - SOUTH KOREA), including for children with health limitations •HAND (4-7 y.o.) •BRAIN A (6-9 y.o.) •BRAIN B (6-9 y.o.)

EDUCATIONAL-METHODICAL COMPLEX «ROBOTRACK»: DESIGNATION, STRUCTURE, ADVANTAGES



The learning kit is designed according to FSES requirements, is oriented at continuity of learning through project-specific activities, has a clear structure (described below on the slides according to the age of learners).

The learning kit is intended for children aged from 4 to 16 years old. It realizes the programmes able to plan and achieve the learners' metadisciplinary and personal results, enabling them to acquire primary knowledge in the field of physics, mathematics, computer science, integrating theoretical knowledge with practical skills.

All classes for working with children having health disabilities are designed in accordance with the Federal State Educational Standards, based on the **methods of inclusive education** for children with sensory impairments (children with amblyopia, squint, impaired vision) and for children with intellectual disabilities. The educational inclusive-education kits are aimed at socialization of children with health limitations and formation of primary competencies in the fields of physics, mathematics, biology, computer science, mechanics, that will let them master successfully the professions connected with technologies of the future.

Pre-school education

- 1. Kiddy Kit I 40 classes
- 2. Kiddy Kit II 40 classes
- MRT 1 Hand (40 models).
 MRT 1 Brain A (16 models) + MRT 1 Brain B (16 models) + developed tasks for development of algorithmic logic (at least 10 sets of tasks)

The developed learning kit is intended for children with sensory impairments (children with impaired vision), children with autism, with intellectual development disorders, developmental delay:

•MRT 1 Hand (40 classes) •BRAIN A + Brain B (58 classes)



Pre-school education (children aged 4-6)

THE LEARNING KIT FOR CHILDREN AGED 4-6 FOR THE CONSTRUCTION KIT ROBOTRACK «KIDDY KIT»



4	Mini helicopter	*
4	Mouse	
4	Machine	
5	Beach lounger	
6	Bookend	\diamond
7	Wolf	
7	House	
8	Roulette	

9	Swing	
10	Mill	
11	Required	
12	Swing	
13	Swing	
14	Hill	A
15	Crane	

16	Wrecker	
17	Elevator	
18	Rabbit	
19	Fishing rod	
20	Fish	
21	Ostrich Racing	

22	Dancing	
23	Mixer	
24	Volchok	
25	flying ship	
26	Carousel	-
27	Bumper machine	

28	Stroller	
29	Motorcycle	States of the second se
30	Racing car	
31	Humanoid Robot	
32	Excavator	
33	Train	
34	Crab	- Alexandre

35	Biplane	*
36	Car lift	
37	Cleaner	
38	Rink	
39	Forklift Truck	
40	Game Workshop	1-7

FOR CHILDREN FROM 4 Y.O.



The line of construction kits is supported by methodological recommendations, containing:

- 1. Theoretical material from the subject areas adjacent to robotics (physics, mechanics, biology, etc.).
- 2. Material explaining the basic principles of robotics.

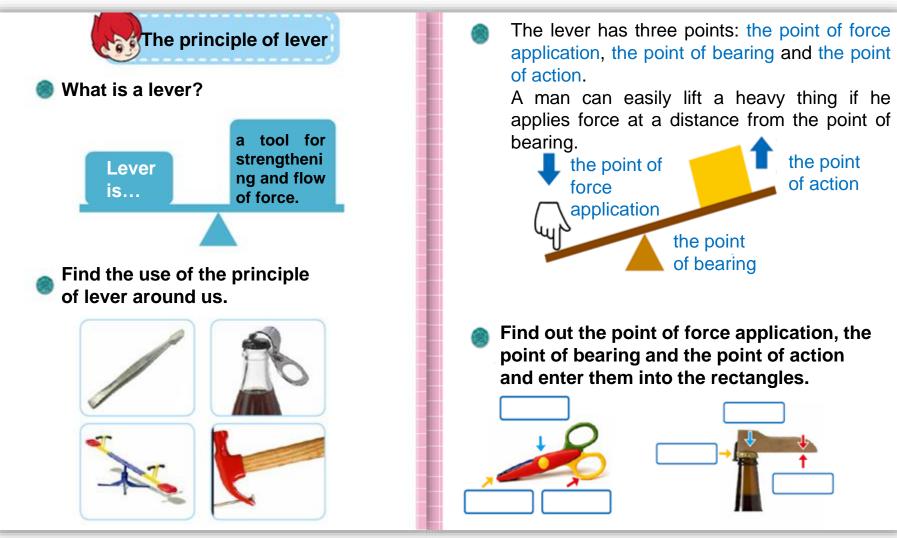
3. Detailed description of the main components of the construction kit, their functional features and the principles of connecting the electronic elements construction kit.

4. Detailed assembly charts for each model.

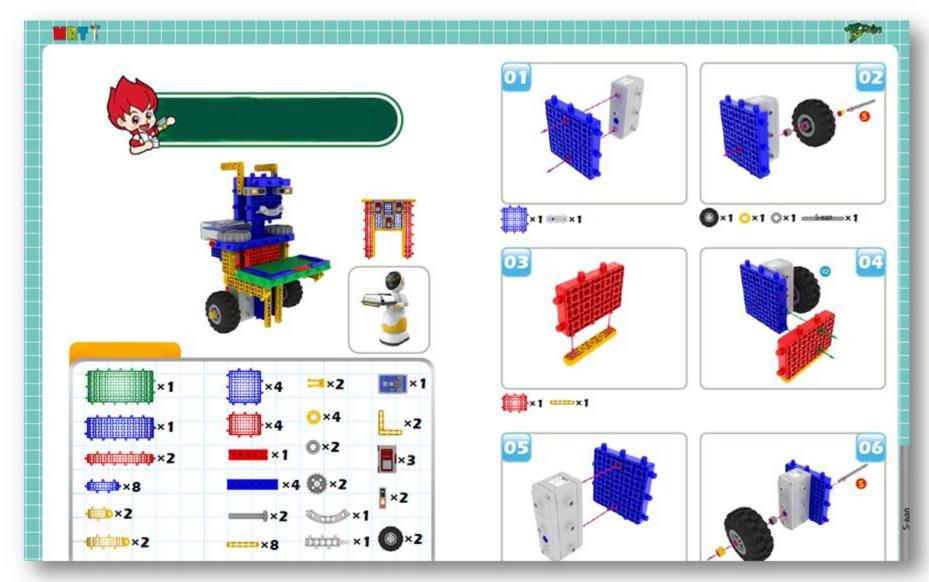




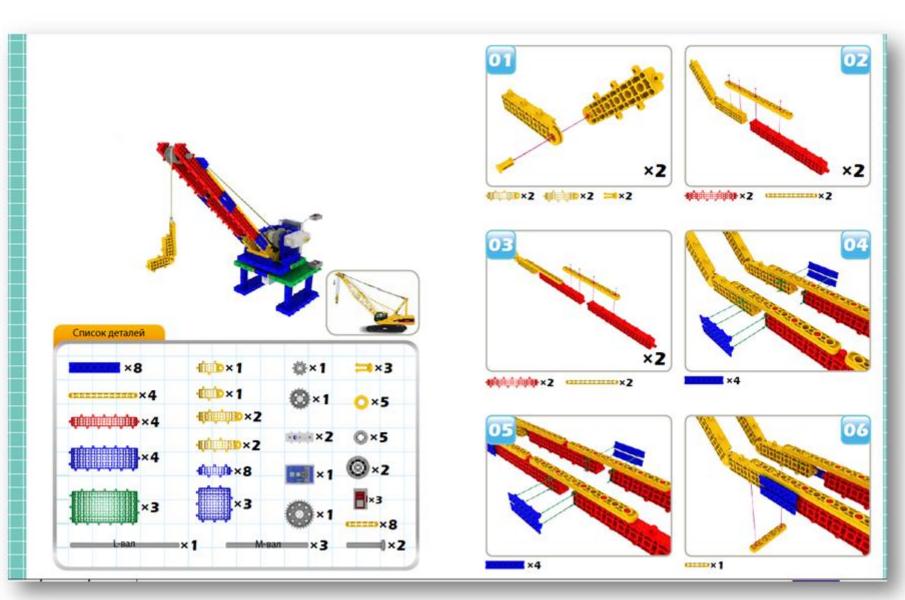
EXAMPLE OF EDUCATIONAL MATERIALS ON THE THEORY OF PHYSICS AND THEORETICAL MECHANICS



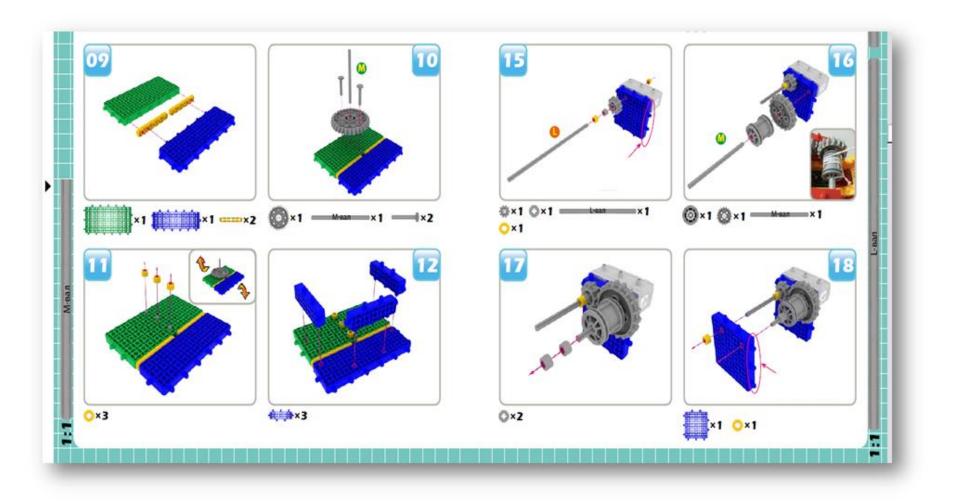
EXAMPLES OF MODEL ASSEMBLY CHARTS



EXAMPLES OF MODEL ASSEMBLY CHARTS



EXAMPLES OF MODEL ASSEMBLY CHARTS



INCLUSIVE EDUCATION



STORE STORE



A LEARNING KIT FOR TEACHING CHILDREN WITH HEALTH LIMITATIONS (4-9 YEARS OLD)

- 1. A learning kit designed for children aged 4-7 with sensory impairment, including children with impaired vision, amblyopia and squint, autistic children (40 classes).
- 2. A learning kit is designed to teach children aged 5-9 having intellectual development disorders and developmental delay (58 classes).

LEARNING KIT FOR CHILDREN AGED 4-7 HAVING SENSORY IMPAIRMENTS comprises the following

WORK PROGRAMME for development of constructive skills, correction of visual perception of children with sensory impairments by means of a robotic construction kit. The programme is realized through a continuous educational activity, organized as working with 2-6 children. The models intended for assembly in constructive activity are grouped into 4 thematic modules.

GUIDANCE MANUAL Development of Constructive Skills and Correction of Visual Perception of Children with Sensory Impairment by Means of the Construction Kit "MRT1 HAND" (children with impaired vision, amblyopia, squint). A total of 40 classes have been developed, with specified didactic games, applications in the form of electronic presentations separately for every lesson.

DIDACTIC MATERIAL

PEDAGOGUE'S AID:

a table of models for designing and modelling in educational activities involving children



having sensory impairment, aged 5-6 years (40 models).

LEARNER'S AID:

model assembly charts (assembly charts for 40 models).



A number of unique unparalleled methods have been designed for inclusive education in the sphere of educational robotics.

II. LEARNING KIT INTENDED FOR CHILDREN AGED 5-8 HAVING HEALTH LIMITATIONS, INCLUDING SPECIFIC METHODS FOR CHILDREN WITH INTELLECTUAL DISABILITIES, DEVELOPMENTAL DELAY)



The learning complex "Designing Based on **Robotic Construction Kits "MRT 1 BRAIN A",** "MRT 1 BRAIN B" for children aged 5 - 8 was developed on the basis of the Federal State **Educational Standard of Pre-school Education** (FSES for pre-school education 2013) and the **Federal State Educational Standard of Primary** General Education for learners with disabilities (FSES for health limitations learners - 2014); is intended for use in pre-school institutions of inclusive character, as well as in inclusive classes of primary school.



THE LEARNING KIT COMPRISES THE FOLLOWING

WORK PROGRAMME: Acquaintance with the surrounding world within the framework of this programme supposes formation of a holistic view of children in the subjects to be constructed.

GUIDANCE MANUALS

- 1. «Teacher's Workbook for working with Construction Kit MRT 1 BRAIN A» (basic level).
- 2. «Teacher's workbook for working with Construction Kit MRT 1 BRAIN A + MRT 1 BRAIN B» (advanced level).

DIDACTIC MATERIALS:

PEDAGOGUE'S AID:

1. Table of models for designing and modelling for children aged 5-8 years

(16 models of entry level + 16 models of basic level).

2. Table of models for designing and modelling for children aged 5-8 years

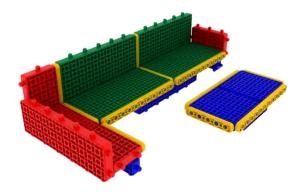
(16 models of entry level + 16 models of basic level + 16 models of advanced level).

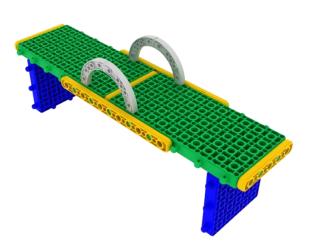
LEARNER'S AID:

- 1. Model assembly charts. Basic level (assembly charts for models MRT 1 BRAIN A).
 - Model assembly charts. Advanced level (assembly charts for models "MRT 1 BRAIN A + MRT, 1 BRAIN B").

KIT MODULES

Module 1 - preparatory. Formation of ability to work with a system of sensory standards, development of motor skills necessary for a robotic complex. The classes include the work within sensory education, aimed at development of visualefficient, visual-figurative thinking, extension of knowledge about the surrounding world, formation of ability to combine construction kit parts in a simple structure, 16 classes 25-30 minutes each, for normally developing children and those with health limitations (32 hours), execution of elementary structures.

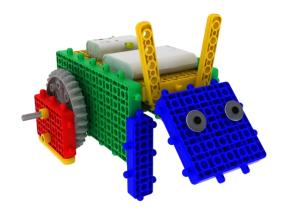


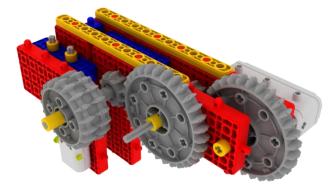


Module 2 - initial. Formation of ability to connect the construction kit parts in accordance with the chart, with the pedagogue's help. The classes included the work within sensory education, development of visual-figurative thinking, extension of the knowledge how to use the finished structure in playing, 16 classes for normally developing children and those with health limitations (32 hours), construction according to the chart on the basis of the construction kit.

KIT MODULES

Module 3 - basic. Formation of ability to work according to the chart with the construction kit. The classes include the work aimed at development of visual, imaginative and logical thinking, formation of ideas about the dynamic use of the finished structure in playing, 32 classes 40-60 minutes each, for normally developing children and those with health limitations, aged 7–8; construction is made according to the charts based on the models of the construction kit MRT 1 BRAIN A, MRT 1 BRAIN B.





Module 4 – creative. The construction is made in accordance with the joint creative plan designed with the parents, is carried out without a chart, the specification of structures will be designed with the parents.



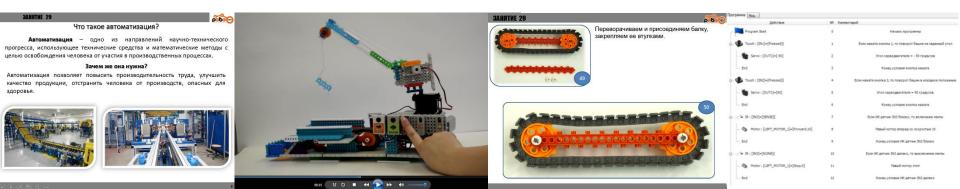
Junior schoolchildren (children aged 7 to 9)

THE LEARNING KIT FOR CHILDREN AGED 7-9 FOR THE CONSTRUCTION KIT ROBOTRACK «INTERN A»

In total, 74 classes have been developed.

Structure of the learning kit:

- 1. Explanatory note.
- 2. Summary plan.
- 3. Educational video.
- 4. Materials for the pedagogue.
- 5. Assembly charts for robots models, for every lesson.
- 6. Examples of programmes for programming robots.
- 7. Video materials with demonstration of projects operation.



Lesson	Model	Description
	~~~~	Turtle
	<b>∲</b>	Scorpio
1		Crab
		Snake
	<b>I</b>	Elephant
		Helicopter Apache
2	<u></u>	Glasses
2		Bird
		House
3		Swing

Lesson	Model	Description
		flying ship
4		Water Mill
		Bell
		Catapult
5		The machine on rubber tires
		Robot-scissors
	N.	Hand fan
6		Excavator
		Acrobat
7		Biplane

Lesson	Model	Description		<b>VV</b>	
8		Turntable	17		Dancing
9		Thomas the Trailer	18		Mini-formula 1
10		Fighting machine	19		Funicular
11		Huna E	20		Fishing rod
12		Scorpio	21		X-football player
13		Footballer 1	22		London Bridge
14		Penguin show	23		Crocodile
15		Tower crane	24		Racing motorcycle
16		Mantis	25	1	Crane 2

Lesson	Model	Description	Lesson	Model	Description
26	<b>P</b> ^t	3 in 1	34	The second se	Pendulum
27		Android			
28		Lift	35		Turtle
29		Sniper	36		Insect
30		Automatic doors	37		Hammer
31		Two-motor trolley	38		Dumper
32		Bumper machine	39		Knight
33		Fan	40		A vacuum cleaner

Lesson	Model	Description	Lesson	Model	Description
41		The Bumbo Machine	48		Ferris wheel
42	Jei-	Self-propelled catapult			
			49		Ferris wheel
43		Robot beetle			
44	100 M	Robot-forceps	50	See.	Loader
			n.	The se	
45		Creative project	51		Motorcycle
46	A CONTRACTOR	Motorcycle	52		Robot puppy
47		Segway	53		Robot puppy

Lesson	Model	Description	Lesson	Model	Description
54		Valley	62		Robot-golfer
55	FF	Quadruple	63		Bulldozer
56		Stirrer for cubes	64	Ba.	Loader
57	and the second s	Quad bike			
			65		Helicopter simulator
58		Formula 1	66		Helicopter simulator
59		Formula 1			
60		Tank	67		Goliath
			60	and the second s	
61		Pterosaur	68	A same we	Robot-snake

Lesson	Model	Description
69		Combat Top
70		Creative project
71		Transformer
72		The Grantor
73		Boxer
74, 75		Creative graduation project



## Junior schoolchildren (children aged 10 to 11)

CLASS	TRAINING	PROJECT	SUBJECT OF LEARNING
No. Class 1	TIME 2 HOURS	Droid-astromechanic	Introductory class. Forming the idea of a construction kit and the principles of working with it. <b>Lesson plan:</b> 1. Where we have found ourselves. 2. What robots are. 3. How to assemble robots correctly. 4. How to teach robots to move. 5. How to assemble your own astrodroid.
Class 2	2 HOURS	Robobowling	Forming the learner's knowledge of the principles of mechanical motion. Lesson plan: 1.Mechanical motion. 2. Trajectory. 3. Speed, time, path. 4. Sequential algorithm. 5. Robobowling.
Class 3	2 HOURS	TREASURE HOUSE	<ul> <li>Forming the understanding of branching algorithms by example of operation of a touch sensor.</li> <li>Lesson plan: <ol> <li>What the Algorithm is.</li> <li>How the Flow chart is executed.</li> <li>What kinds of algorithms exist.</li> <li>How the touch sensor operates.</li> </ol> </li> </ul>
Class 4	2 HOURS	HIGH-FIVE	<ul> <li>Getting acquainted with the basic principles of operation of IR sensor; learning the concept of "Operator" in the context of the theory of algorithms.</li> <li>Lesson plan: <ol> <li>Algorithm operators.</li> <li>How the infrared sensor works.</li> <li>The notion of "Anthropomorphism of robots".</li> </ol> </li> </ul>
Class 5	2 HOURS	ANTHROPOMORPHIC ROBOT	Learning the concept of "anthropomorphic robot"; studying cyclic structures from the point of view of programming. Lesson plan: 1. Types of anthropomorphic robots. 2. Why robots are made to resemble humans. 3. Cyclic structures. 4. The concept of subroutine.

Class 6, 7	4 HOURS	VENDING MACHINE	Learning the types of automated systems by example of vending machines. Lesson plan: 1. The concept of "vending". 2. The history of vending machines. 3. The structure of a vending machine.
Class 8	2 HOURS	ECHOLOCATION SPECTACLES	Learning the principles of echolocation and its use by humans and animals. Lesson plan: 1. Sound and its types. 2. What ultrasound is. 3. What biomimetics is. 4. Echolocation.
Class 9	2 HOURS	STEELYARD WEIGHING SCALES	Learning the principle of the lever and getting acquainted with sensor encoder. Lesson plan: 1. The principle of the lever. 2. The history of levers. 3. Lever scales. 4. Encoder. 5. Circumference. 6. Steelyard weighing scales.
Class 10	2 HOURS	MECHANICAL TRANSMISSION	Learning the principles of operation of mechanical transmission and its types. Lesson plan: 1. Mechanical transmission. 2. Cogged wheels. 3. Reducer. 4. Winch.

Class 11	2 HOURS	TACKLE PULLEY	Learning the principles of operation of mechanical blocks. Lesson plan: 1. Gravity. 2. Weight. 3. Block operation principle. 4. Movable and fixed block. 5. Tackle pulley.
Class 12	2 HOURS	REMOTE CONTROL	Learning the principle of operation of LED, getting acquainted with remote control programming by example of a remotely-controlled automobile with specialized signals. Lesson plan: 1. Light and lighting. 2. Semiconductor. 3. Light-emitting diode. 4. Remote control. Constructing a company car.
Class 13	2 HOURS	SOLAR ELECTRIC POWER STATION	Learning the operation of light sensor (photoresistor) by example of a model of solar electric power station. Lesson plan: 1. Sources of light. 2. The Sun and its energy. 3. Light sensor. 4. Solar electric power stations. 5. Solar battery.
Class 14	2 HOURS	DRAWBRIDGE	Learning the principles of operation of the colour sensor. Lesson plan: 1. Access control systems. 2. Colour sensor. 3. Drawbridge.
Class 15	2 HOURS	ARTIFICIAL HORIZON	Learning the principles of operation of a gyro sensor. Lesson plan: 1. Automatic regulator. 2. Gyroscope. 3. Artificial horizon.

Class 16	2 HOURS	TFT-SCREEN	Learning the basics of work with a TFT-screen. Lesson plan: 1. Principles of operation of monitors and screens. 2. The concept of pixel and resolution. 3. Coordinate system. 4. TFT-screens.
Class 17	2 HOURS	ANIMATION. AGILE BALL	Continuing the study of displays. Learning the principles of animation programming. Lesson plan: 1. Principles of animation and animated imaging. 2. Computer animation. 3. Vector. 4. Collision analysis.
Class 18	2 HOURS	VIRTUAL PING-PONG	Learning the principles of computer games programming. Lesson plan: 1.Types of games. 2. Computer games. 3. Gadgets for computer games. 4. Ping pong.
Class 19	2 HOURS	SERVODRIVE	Learning the structure of electric motors, servomotors. Lesson plan: 1. How the electric motor operates. 2. Types of electric motors. 3. Structure of the servomotor.
Class 20	2 HOURS	STEERING CONTROL	Learning the steering control mechanism. Lesson plan: 1. Structure of a car. 2. Steering control. 3. Types of steering mechanisms.

## **GUIDELINES**

Class	Description
1. Droid-astromechanic	Introductory lesson which focuses on the rules of conduct in the Club, the work procedures, as well as the technology of working with the construction kit. One can pre-programme the boards for robots using ready-made programmes.
2. Robobowling	Getting acquainted with the concept of programming. Linear programming as an example of the simplest type of algorithms (the very concept of algorithm is introduced at the next lesson).
3. Treasure house	Getting acquainted with the concept of the algorithm and its types, learning the "branching" (IF-THEN operator).
4. High-five	Learning in detail the principles of work with the sensors by example of infrared sensors, introducing the term "Operator". It is recommended to draw the learners' attention separately to the difference between the "sensors" and "operators" (input and output devices).
<ol> <li>Anthropomorphic robot</li> </ol>	Learning the programming of cycles, consolidating the understanding of work with IR sensors.
6. Vending machine	Getting acquainted with the types of automated systems, the notion of "Vending", the use of robots in trade.
7. Vending machine	Learning to find and fix errors in programmes. It is recommended to pay special attention to work with the tools "debugging" and "port monitor"
8. Echolocation spectacles	Getting acquainted with the distance sensor and the principles of echolocation; drawing attention to the fact that the ultrasonic sensor can produce "noise" (erroneous signals) that must be eliminated during the programming and debugging.
9. Steelyard weighing scales	Learning the principles of the lever and the programming of encoders. The subsequent three classes deal with the principles of mechanics in robotics.
10. Mechanical transmission	Continuing the study of encoders. Exploring the operation of gears, drawing attention to the fact that the learners should study the idler gears and multiple gearing more closely.

## **GUIDELINES**

11. Tackle pulley	Learning the block mechanics. It is desirable to explain to the learners the common features of operation of levers, blocks and gears in mechanics.
12. Remote control	Classes 12-14 are devoted to the study of the colour sensor; at this lesson
	we master the light emitting diode as a component of the sensor. In the
	course of work over the project, we study the programming of remote
	control with the help of a smartphone (the application <i>Robotrack Remote</i>
	Control Sensor for Android).
13. Solar electric	,
	This project uses a part of the colour sensor - the photoresistor. The
power station	system control programme is quite complicated; it can be simplified at
	the discretion of the pedagogue, or you can use a ready-made
	programme.
14. Drawbridge	The colour sensor as such is explored, its operational principles and
	functions, on the basis of the experience gained in the course of previous
	classes.
15. Artificial horizon	At this lesson, it is important to pay attention to the principles of
	feedback systems; it is important that this is the first project where
	algorithms involving conditions are replaced by algorithms using control
	functions. The programme itself seems "quite simple", as the number of
	actions in it is minimal, however it is of fundamental importance to
	achieve due comprehension of the programme by the learner.
16. TFT-screen	In this lesson, the focus is made on programming; classes 16-18 are not
	complicated constructively, but require complex programming of virtual
	objects. At the 16th lesson, it is important to achieve understanding of the
	display coordinate system, since this knowledge is fundamental for the
	study of the following topics.
17. Agile ball	In this topic, the animated motion is studied through changing the objects
	coordinates in each new frame; it is important to reach understanding of
	the coordinate change rules (displacement vector, reflection).
<ol><li>Virtual ping-pong</li></ol>	Using the knowledge gained at classes 16, 17 and 9, we construct a game
	console.
19. Servodrive	Learning the principles of operation of electric motors; it is desirable, for
	understanding the servomotor programming, to understand the principles
	of feedback studied at the lesson 15.
20. Steering control	The steering control mechanics is studied. During the classes 19-20, a
	model of a car with a steering gear is assembled; the average time for
	assembling the model is 1,5 classes + half of a class for model testing; in
	case the model is collected within the 1st lesson, it is recommended to
	offer a more complicated task on programming of a model at the second
	lesson.

## ROBOTRACK BASE KIT

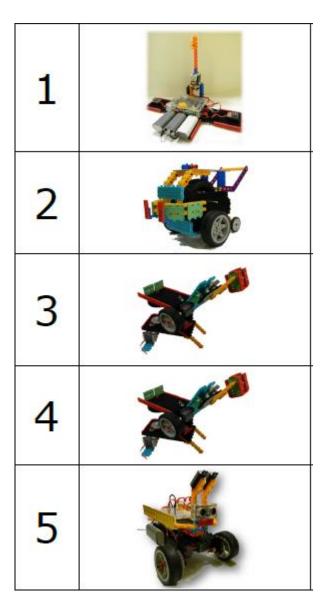


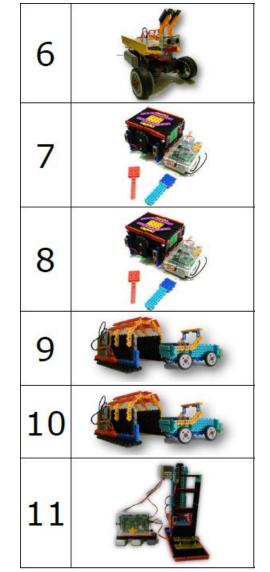
## Schoolchildren (children aged 12+)

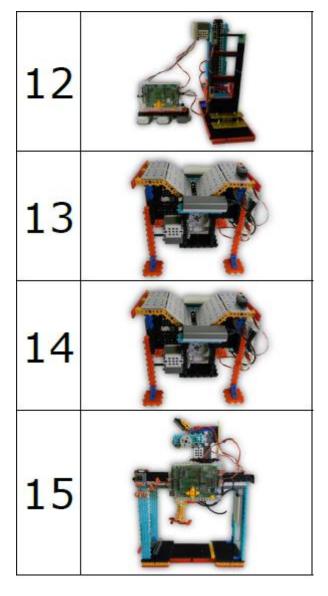
The learning kits structure:

- a short Work Programme Robotrack Base with a table of models;
- presentations for a pedagogue (coach) for each lesson in PPT format70 pcs.;
- •robot models assembly charts for the learners, for every lesson;
- examples of robot programming applications;
- •files "Additional Materials for the Lesson";
- •video materials demonstrating the work over the projects;
- •training videos (resources in open access on the Internet) on the theoretical material studied at the lessons;
- •draft plan for every lesson;
- •explanatory note to every lesson.

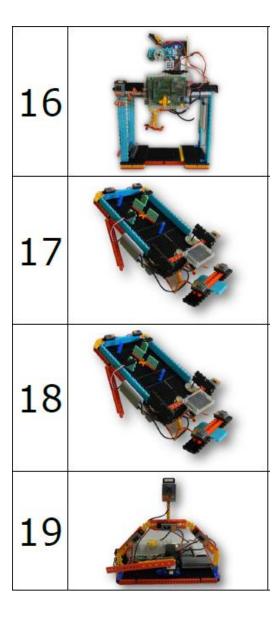
#### ROBOTRACK BASE KIT

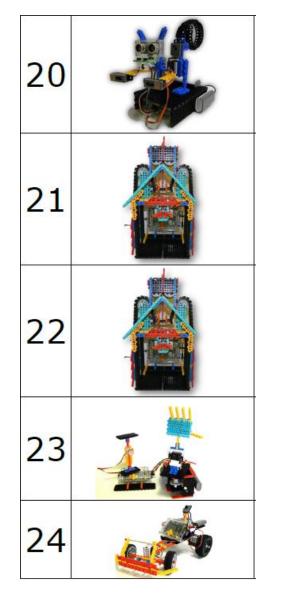


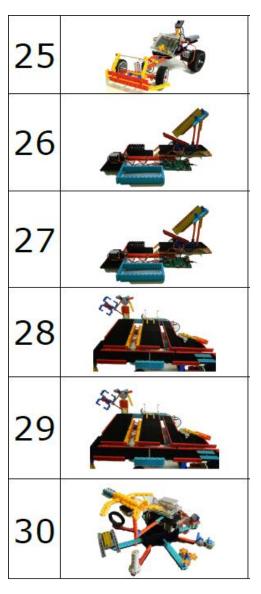




#### ROBOTRACK BASE KIT





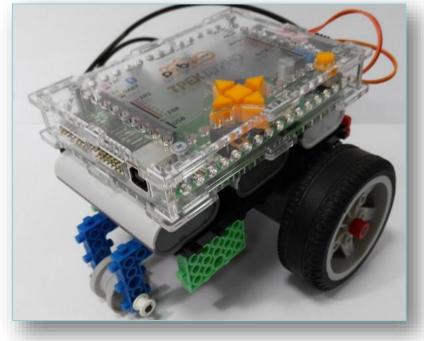


## **Secondary and senior school**

## A training course (self-instruction) in programming for children aged 11 years up.

42 assignments in programming of a mobile platform for children from 11 years old up; this may serve as a summer intensive course after completion of a training course under Robotrack INTERN A or as a preparatory (intermediate) course upon transition to Robotrack Base course. The kit includes assignments for programming of

a mobile platform with the use of a code and with additional complicated tasks; the programming is made in ROBOTRACK IDE environment. The set of assignments is on the disk to the ROBOTRACK BASE constructor.



## **Secondary and senior school**

# A learning kit for study of computer vision (15 models). The learning kit is structured as 30 classes.

All classes are grouped into 5 modules - 3 models for each operational mode. The classes are designed for children from 12 years up.

#### The learning kit includes the tasks in the following modules:

- Recognition of objects (faces);
- Tracking the guide line;
- Detection of graphic primitives (circumferences);
- QR-codes recognition;
- Detection of movement;
- Analysis of the color chart of a frame;

The structure of the learning kit: explanatory note to every lesson; draft plan; a video "How it works" with demonstration of the project operation, a training video, model assembly chart, programming assignments, an example of programmes for the lesson, additional material for the pedagogues, material for a pedagogue to every lesson in .pptx format - to explain the new theoretical material to the trainees.

#### PERSPECTIVES

Starting from **2019**, after the ROBOTRACK "Base kit" course, will be available a package for training sessions called "**Young Neurophysiologist-Engineer**" designed for studying human neurophysiology, collecting and processing biosignals (EEG, ECG, CGR, EMG) and controlling robotic models.



#### Contacts

CEO "Brain Development" Ltd. Babenkova Nadegda

CFO "Brain Development" Ltd. Skazochkin Leonid **(€)** +7 921 330 25 68**(∭)** mrtrus2014@yandex.ru

#### Slp10@yandex.ru



Web-site: robotrack-rus.ru facebook.com/robotrackrus



instagram.com/robotrackrus

