

# JR.ROBOTICS

## Classroom Course 2020

**Robots Got Talents  
Educational Courses**

<https://www.robotsgottalents.com/robotsgottalents@yahoo.com>  
<https://www.facebook.com/RobotsGotTalents/>  
[https://www.instagram.com/robots\\_got\\_talents/](https://www.instagram.com/robots_got_talents/)

### THIS COURSE CONTAINS:

- Robots Got Talents Student Zone
- Robots Got Talents Teacher Zone
- MINDSTORMS® For Beginners Book
- Advertising Material
- Certificates for all participants
- Lesson by Lesson Plan
- Lego MINDSTORMS® Quiz

**And much more**

## Course Introduction

### Robots Got Talents Courses 2020

Jr Robotics L1 is an Elementary/Middle school classroom course by Robots Got Talents. Throughout the course participants will learn about robotics, artificial intelligence and programming as they design, build and program their own Lego Mindstorms Ev3 Robots to finish different missions, Participants will also use Lego Digital Designer to build simple Lego Models. This Course contain all needed material to produce the best course experience for Students & Teacher, Student Zone containing Topic by Topic Presentations, quizzes and LEGO® MINDSTORMS® Activities with video tutorials, Teacher Zone containing Course Book, presentations, quiz answers, Advertising Material, lesson plan and teacher guides. Jr Robotics L1 is the first level of one of our biggest Course Series coming up in 2020. Which teach nearly everything about Robotics.

Jr Robotics Level One Course consists of 6 main lessons that cover all the topics mentioned in the next page.

***Good Luck Everyone,***



## Topics Covered:

Jr Robotics Course Level 1

### Lesson One:

- What is a robot
- Robots characteristics
- Types of robots
- Robots Uses
- LEGO® MINDSTORMS® Introduction

### Lesson Two:

- Main MINDSTORMS® Pieces [NXT,EV3]
- Programming Robots
- Blocks
- Exploring Model

### Lesson Three:

- Lego Digital Designer Modes
- Lego Digital Designer Controls
- LDD Exercise 1

### Lesson Four:

- Building Exercise 1
- Action Blocks
- Exercise 1

### Lesson Five:

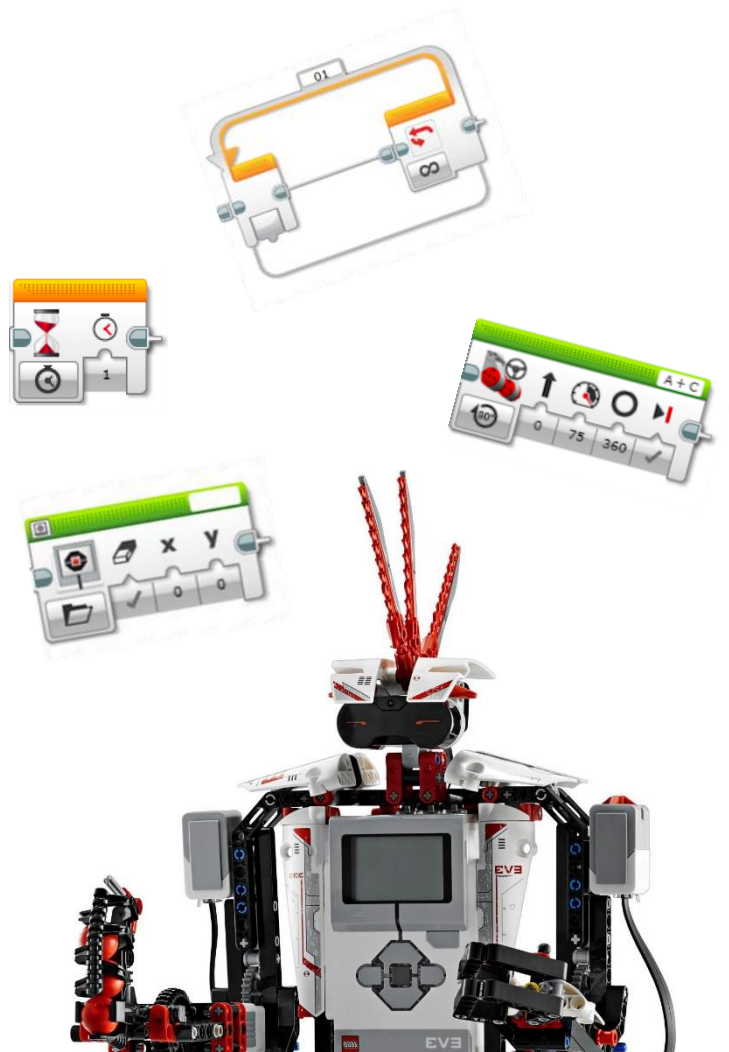
- Exercise 2
- Flow Blocks
- Exercise 3
- LDD Exercise 2

### Lesson Six:

- Exercise 4
- Sensor Blocks
- Port View

### Lesson Seven:

- Building Exercise 2
- Programming Revision
- Course Quiz



## Hosting the course

### Jr Robotics Course Hosting

#### Step One:

Any school or educational organization with +10 students could simply host any of Robots Got Talents Courses or Camps courses by filling the form Available in the Website and within 2 days you will receive the chosen course login password via mail.

#### Step Two:

After receiving your login password, Open the teacher zone and download the lesson Plan, books, presentations and premade advertisements. Robots Got Talents also offer a free PDF version of the Lego Mindstorms for Beginners book for all course participants (don't forget to print it).

#### Step Three:

The next step is opening the Students Zone, The Student zone is a lesson by lesson plane made by the course authors to the camp participants each student using the website will find access to all Jr Robotics Course activities, resources, tutorials, presentations and other tools.

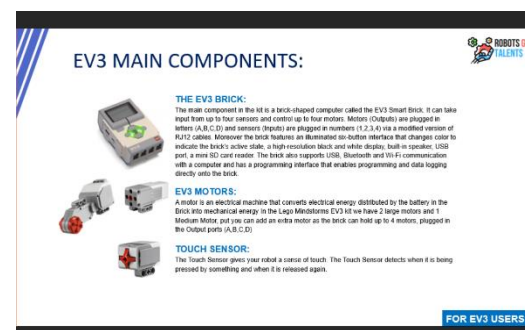
## What should be in the classroom

To produce the best Course Experience for the course participants you should have the following:

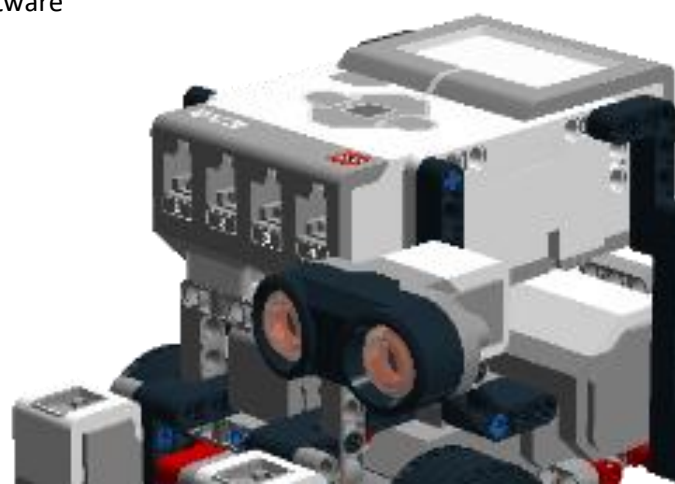
- Computer/laptop for each camp participant that have access to LEGO® MINDSTORMS® Ev3 Software and Robots Got Talents Website
- Internet access
- Teacher PC that have access to LEGO® MINDSTORMS® Ev3 Software and Robots Got Talents Website
- Additional Materials as Projector, Tablets
- LEGO® MINDSTORMS® For Beginners Book (PRINTED)
- Quiz Printed (IF NEEDED)
- LEGO® MINDSTORMS® Ev3 Sets

The screenshot shows a registration form for the 'RoboMind Coding Course'. It includes fields for First Name, Last Name, Email, Password (with a strength indicator), Organization Name, and Country. There is a 'Submit' button and a checkbox for 'I accept terms & conditions'. A note at the bottom right states: 'You will receive your password via mail within 2 days'.

### Hosting the Course Form



### Students Zone



### Important Notes:

Robots Got Talents want to ensure that everything in the course is working probably so each session the course directors are advised to send minimum of three photos that shows that everything working probably.

The person filling the form will be registered as a national course director; if the organization will to change the course director they must send a mail to [robotsgottalents@yahoo.com](mailto:robotsgottalents@yahoo.com)

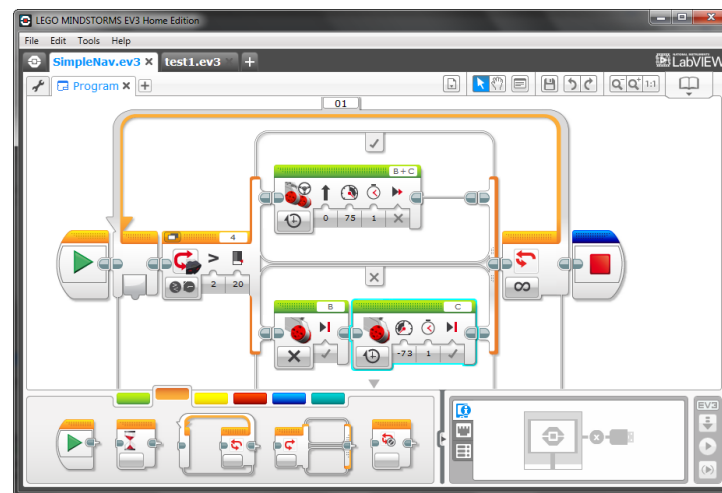
### Terms & Conditions:

Robots Got Talents 2020,2021

- Organizations using the course are not allowed to use course guides, presentations or logos in any other course, course or challenge
- Each time the organization wants to repeat the course they must refill the form
- You are not allowed to share or give the course to any other organization without Robots Got Talents permission.
- You are allowed to use this course for commercial uses with including Robots Got Talents name.
- All students must be given Robots Got Talents course certificate
- .National Course directors must send 3 photos each day in the course to show that everything is good.
- You are not allowed to edit course presentations or guides
- By starting the Jr Robotics course you agree on all Robots Got Talents terms and conditions.
- For publishing any of the courses photos on social media you must tag Robots Got Talents or use the hash tag (#robotsgottalents)

All teachers using Course the form must use the Robots Got Talents Course Plane. Organizations are allowed to add extra lessons for graduations or course introduction.

Organizations are allowed to use this course for commercial uses with including Robots Got Talents name but they are not allowed to sell the course or the course resources. Read the Terms and Conditions for further information.



**FEEL FREE TO CONTACT US FOR FURTHER QUESTIONS**