# LEGO EV3 Solar Power Generation

What is Lego Mindstorms EV3?

LEGO Mindstorms EV3 (stylized: LEGO MINDSTORMS EV3) is the third generation robotics kitin LEGO 's Mindstorms line. It is the successor to the second generation LEGO Mindstorms NXT kit.

How does Lego Mindstorms EV3 education core set work?

LEGO Mindstorms EV3 Education Core Set is contained in a handy,wide box made from durable plastic that ensures safe storage. The tray with 13 compartments allows you to easily sort bricks according to their size and purpose. Underneath,there's space for keeping larger building elements,such as wheels,tracks,electronics and cables.

How does the EV3 brick work?

It's a simple analog sensor,which detects whether the button is being pressed,or not. You can use it to run or stop operation of a construction,to create bumpers,or to count button presses. Together with 5 buttons on the EV3 Brick (they are touch sensors as well!),you may even create an advanced system to control your robot.

What is a gyro sensor in Lego Mindstorms EV3?

This sensor is included in the Home and Education version of the LEGO Mindstorms EV3 set. It collects data concerning colors (distinguishes 8), or light intensity (ambient, or of a reflected beam). It can be useful in line followers, sumo fights, or sorting devices. The gyro sensor is available only in the Education version.

Does LEGO EV3 have a temperature sensor?

In addition to the sensors described above,LEGO Education prepared a temperature sensorfor the EV3 set. Other producers have even more sensors in their offer and they are definitely worth checking out. For example,HiTechnic sensors are commendable; they sell compatible compasses,magnetic field sensors,and many others.

How do I start learning with Lego Mindstorms EV3 education?

To start your learning adventure with LEGO Mindstorms EV3 Education,go to the Quick Start tab. It contains several instructional videos that guide you through the possibilities of the app. In the menu,you can also find building instructions of sample models,robotics tutorial and supporting material.

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