



Introduction:

The Neuron educational program is designed to use Neuron electronic building blocks (mBlock) as the teaching tools in STEAM education, for students to create fun and interesting works using a variety of materials, and explore simple scientific experiments; in the form of mini-lessons, this educational program inspires teachers to innovatively use the Neuron electronic modules in their teaching, and it can motivate students to be engaged in the activities, learn sensor applications, and improve their programming thinking skills to implement each and every creative idea;

Contents in this manual:

- Mini-lesson (4 major topics and 21 models)
- Neuron basics Application of teaching ideas and demonstration
- lessons Diagrams for paper
- based models, demo videos, module introduction, software nodes and more

Help teachers and creative lab fans understand the use of Neuron product, provide them with creative inspiration to create more meaningful works or lessons.



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About makeblock :

makeblock Co., Ltd. was founded in 2013. The company's main brand, makeblock, a leading DIY robot-assembly and STEAM educational and learning platform, was created in 2011.

makeblock is a global leader in SETAM education solutions. Makeblock integrates the development and promotion of hardware, software, contents, events and activities, offering STEAM education and entertainment platforms for schools, training institutions and families. The products mainly include easy-to-use programming robot kits, electronic building modules platforms and DIY robot assembly platforms, provide graphical programming APPs and enriched curriculum, which are designed to inspire children's creativity, let children explore their potential, pursue their sense of goodness, beauty and truth, and build a better world. Currently, makeblock products are widely used by schools and families in more than 140 countries and regions.

Educational Ideas:

“With the development of science and technology, the makeblock education and STEAM education will become more and more important. We hope to build a robot assembly platform to bring together the robot enthusiasts of all ages and make the makeblock education and STEAM education more accessible. Makeblock is aiming to provide the users with the abilities to implement their ideas and we hope more people will turn their ideas into reality. When people are working hard to reach their dreams, they will have endless sense of achievement, which will encourage more people to come up with inventions and creations!” – CEO, Wang Jianjun



Introduction to Creative Lab:

The exterior design of the Neuron product has won multiple international design awards, such as: Korea's K-Design Award in 2017, Japan's Good Design Award, U.S. IDEA Gold Award, German Red Dot Award, and 2018 CES Design Awards, etc.

The Neuron product also has many wonderful features. The Neuron Creative Lab is a programmable electronic building module created for STEAM education. It has 30 electronic modules with different functions, covering acoustic, optical and dynamic interaction modes; the customized "Neuron APP" can easily create more functions for the electronic building modules to "intelligently" make anything and everything, which also support the drag-and-drop programming (mBlock5) developed by makeblock users to learn programming knowledge.

The Neuron combines electronic technology features and teaching elements. Its exquisite details and playful design can meet the needs of various teaching scenarios and home entertainment and intelligence development. The users of the products are encouraged to integrate things and people around them to creatively make products and implement the creative ideas and make our lives better~

