Junior Robotics Badges

Glossary for Girls

Juniors may not know some of the words used in these badges. Here are definitions you can share with them:

An **algorithm** is a list of steps that you can follow to finish a task. A recipe is an example of an algorithm; it tells you how to cook a dish by following step-by-step instructions.

Artifical Intelligence is robots or other machines that are programmed by engineers to be able to learn and adapt over time.

Automatic is when a machine works with little or no human control.

Axons are the special appendages on a neuron that send and receive impulses.

Biomimicry is the design and creation of materials or systems that are modelled on how humans and other parts of nature, like animals or plants, look and function.

Coding is transforming actions into a symbolic language.

Debugging is finding and fixing problems in your algorithm or program.

Innovation is a new or improved idea, device, product, etc.

A **neuron** is a special cell that carries impulses to and from the brain.

A **robot** is a machine capable of carrying out a complex series of actions automatically, especially a machine programmed by a computer.

The **soma** is the cell's body.

A **program** is an algorithm that has been coded into something that can be run by a machine.

A **prototype** is a sample when you want to show someone your idea. It could be a drawing or a model you make to show what your idea looks like.