

Roamer®

Discovery at Every Turn

ROBOTS BY VALIANT TECHNOLOGY

THE VALIANT TURTLE

THE CLASSIC ROAMER

ROAMER



What is Roamer?

Roamer® is an educational robot. It is a development of the Turtle-type-robots originally invented, in the late 1960s, by MIT's Seymour Papert. The Turtle was part of LOGO – a computer language designed for very young children, but capable of challenging and developing the intellect of much older pupils. Students used LOGO to program solutions to problems, particularly mathematical challenges. This involved them in the process of exploring and gaining insights into the fundamental nature of the mathematics. Programming the Turtle to move connected abstract mathematical ideas to the concrete world. It makes mathematics real and meaningful.

The first Roamer was launched in 1989. It became a standard in British schools and sold into 27 different countries including the USA. Like the traditional Turtle, its principle educational paradigm was programming. But just as there is a mathematical pattern behind so many “non-mathematical” subjects, Roamer started to provide teachers with a concrete problem solving tool capable providing students with practical ways of understanding key ideas across the whole curriculum, whether it was music, poetry or learning of a foreign language. The new Roamer not only continues the Turtle tradition, it heralds the future of educational robotics. Yes, students learn through programming, but they can also interact with the robot with Human Computer and Human Robot Interactions (HCI and HRI).

Valiant is oldest extant educational robot company in the world. They pioneered most of the ways people use educational robots. With Roamer, they continue this exciting exploration.

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