

Holmquist Educational
Consultants, Inc.
P.O. Box 3564
Plant City
Florida
33563-0010

Phone: (813) 759-6500
Fax: (813) 752-3797



OXON HILL MIDDLE SCHOOL VIDEO

[VIMEO.COM/161129698](https://vimeo.com/161129698)

ROAMER

DISCOVERY AT EVERY TURN

www.roamer-educational-robot.com

**For more information and to
sign up for the Robotic
Performing Arts Project**

<http://goo.gl/htJUO9>



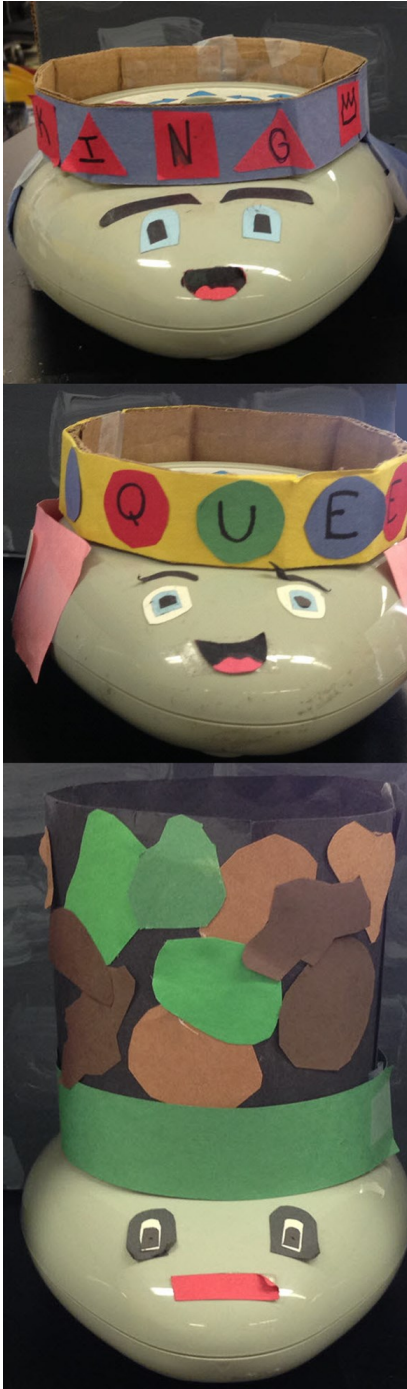
Introducing Robotic Performing Arts™

The Robotic Performing Arts project shows how students can express themselves, their ideas, and their culture while engaging in STEAM studies. Many educational robot competitions exist. Uniquely, Robotic Performing Arts focuses on cooperation. It shows students how they benefit from working as a team, pooling their talents and sharing their interests and points of view.

Alienated students often struggle to understand the point of schoolwork. Normally, we present much of this work in a way that simply does not connect to a student's life, their culture or social experiences. For many, this does not work.

Robotic Performing Arts is different. It allows students to use contemporary culture and technology to express themselves in a way that connects to regular school topics. The project changes attitudes - it puts the 'why' into learning.

Robotic Performing Arts™ is a Roamer® educational robotic project.



PROJECT FULL STEAM AHEAD

As part of their Arts Integration program, Prince George's County Public Schools launched project Full STEAM Ahead. This piloted Robotics Performing Arts in Oxon Hill Middle School. In this project, students create movies with Roamer® robots as characters.

We can trace robot ancestry to creation myths where mud, stone and wood, legends of machines and statues come to life. All around the world, all cultures imagined such stories. Many built automata and created puppet theaters. The Czech dramatist Carel Karpék, was the first to use the word robot in his play Rossum's Universal Robots.

This common heritage makes robots and drama ideal for the imaginative exploration of technology and art.

OXON HILL MIDDLE SCHOOL

The students decided to make a movie about the school Peace Pledge. Oxon Hill calls their students kings and queens, so they decided to use them as characters.

Teacher Kenneth Williams explains,

"First the students loved the project. That's always a good start. But what impressed me was all the bits of knowledge they had to use. For example, their understanding of metaphors became much stronger. They had to do coding, set design, script writing, and filming. It was our first time doing this project, I can see many ways we can improve our approach. I can use this to engage in the Maker Movement. I'm eager to do it again."

Students can transform Roamer's appearance by using whatever technology is available to the car was designed using CAD software and printed using a 3D Printer..



ROAMER

Roamer is an educational robot suitable for preK-12. You can use it across the range because it is modular. You quickly assemble the robot you need.

Roamer helps students to understand complex ideas through practical tasks. Free online activities and training support the product in the classroom.

Logic can get you from A to Z.

Imagination can get you everywhere.

Albert Einstein.