

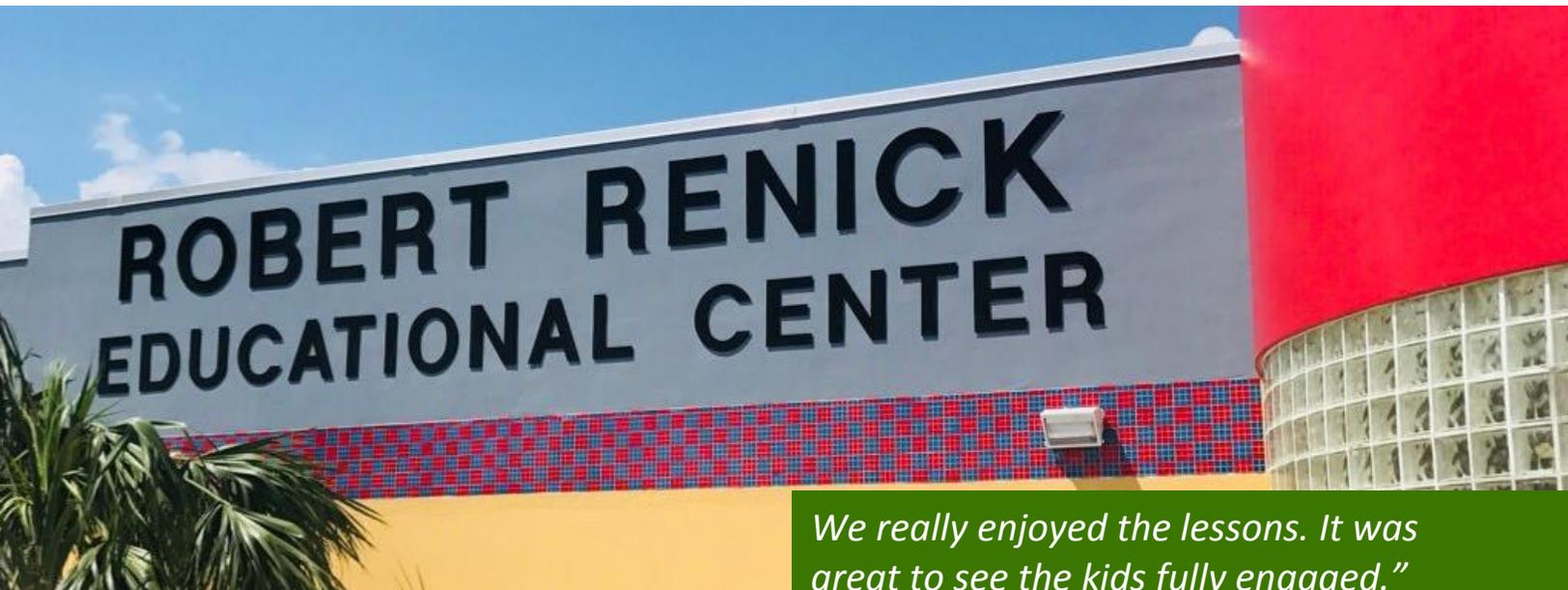
## Inspiring Young People in a Special Educational Setting

Robert Renick relies on NotJustMath to help teachers engage students with 21<sup>st</sup>-century STEM skills

Robert Renick Educational Center is a PK-12 special educational school in Miami. The school is committed to working for the best interests of the children in its care and their parents. Teachers work hard to deliver inspirational and engaging lessons to children from complex and challenging educational backgrounds:

*“Part of my vision for students is to provide them every possible resource and opportunity to bloom academically and socially in an environment where they feel safe, secure, and valued – and we have the fabulous staff ready to make this happen! My hope is for students to walk away from Renick with an increased love of learning and a desire to make a difference in the world.”*

Emirce Guerra, School Principal



*We really enjoyed the lessons. It was great to see the kids fully engaged.”*

### The Challenge

Many of the children at the Center are facing significant challenges when it comes to their educational experience. Many of them struggle to lead a normal life, so attending school means overcoming behavioral disorders such as PTSD, low level attention span and learning disabilities which mean they often learn at a slower pace than their peers. As many of the children require constant attention from teachers and staff the school has limited additional resources to invest in learning materials.

Teaching STEM subjects, and specially the sciences, is particularly challenging because this complex subject has been developed into a curriculum model which unhelpfully fragments subjects into different topics rather than presenting them as a cohesive whole. Although the school district had invested in STEM products these decisions did not always meet the needs of the teaching staff.

**That’s where we can help, as we take time to understand each education partner we work with, listening to the teachers, understanding the pupils and developing resources to meet their needs.**

## Getting to Know the School



When one of our Coaches, Duncan, volunteered to teach a class about Energy it was the start of a long-term relationship. Coach Duncan was inspired by the children at the school and the work of the teachers – including science teacher Mrs. Berenguer who had been at the school for over 20 years.

It was clear that the school would benefit from the resources we could provide and Mrs. Berenguer was only too happy to help us understand how science resources would be better designed to meet the needs of her pupils. Knowing our team could provide these resources, which are already proven to make a positive impact on children with additional educational requirements, we created a customized STEM Energy Teacher's Pack for Robert Renick.

## Introducing our Science Packs

Mrs. Berenguer was the first teacher to test our resources. She immediately recognized that the Energy Teacher's Packs would be a great tool for her and her students and persuaded the school principal to watch a classroom demonstration.

The principal acknowledged just how valuable our STEM Energy Packs could be as a tool to inspire and motivate the students. As a consequence, several Energy Packs were subsequently ordered and, in addition to the books and materials included in the packs the school also received several customized online resources.



### Customized Online Resources:

- Guided learning with online Teaching Assistant
- AI Expert Systems to help answer student questions
- Customized Interactive Simulations
- Video shorts, animations and classic documentaries
- Customized Self-grading quizzes, automated student record keeping and performance metrics
- Text-to-Speech option available within courseware for reading assistance
- Online student note-taking with rich-text and export to Word and printout.

## The Results

Feedback from everyone has been consistently excellent. The staff has all seen a difference in the level of engagement from the children using our STEM Energy Packs and the online resources are used extensively to support classroom and extracurricular learning.

Attainment has improved in all the science subjects and the children now look forward to their science classes. Even parents have comments on the interest and enthusiasm demonstrated by their children when they talk about their science classes.

We're also delighted that Coach Duncan's contribution to the school was recognized when he was nominated as the Robert Renick Educational Center's Teacher Champion last year. This is a great reflection of our work, our approach to listening to the needs of teachers and our commitment to delivering the best educational tools for children and their teachers.



*"The projects actually WORK...even for large groups where individualized attention is not possible."*

Women's Society of the IEEE

## About Us

At NotJustMath Tutoring Center, we're just like you: we want to provide our children and grandchildren with the best future possible. We're a dedicated team of professionals, working in partnership with teachers and students to provide inspirational and engaging teaching materials which are not available anywhere else.

We provide ongoing technical support and optional teacher training to help bring STEM to life for students from a wide range of different backgrounds. As the nation's leading STEM Education Solutions Partner for K-12, NotJustMath Tutoring Center is dedicated to helping teachers and students to develop and enhance STEM learning.

**To learn more about NotJustMath Tutoring-STEM Education Solutions for K-12, please visit [www.notjustmathtutoring.com](http://www.notjustmathtutoring.com) or contact [info@NotJustMathTutoring.com](mailto:info@NotJustMathTutoring.com) for your school's STEM Improvement Plan.**