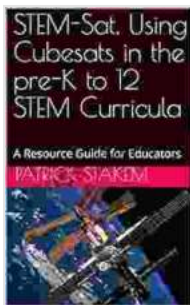


# STEM Sat: Enhancing K-12 STEM Education with CubeSats

**STEM Sat** is an innovative educational program that uses CubeSats, small satellites that are typically about the size of a shoebox, to engage students in hands-on STEM learning. CubeSats are a cost-effective way to provide students with real-world experience in space exploration and engineering. They can be used to collect data from space, perform experiments, and even take pictures of Earth.



## STEM-Sat, Using Cubesats in the pre-K to 12 STEM

**Curricula: A Resource Guide for Educators** by Harue Okada

★★★★☆ 4 out of 5

Language	: English
File size	: 1862 KB
Text-to-Speech	: Enabled
Enhanced typesetting	: Enabled
Word Wise	: Enabled
Print length	: 83 pages
Lending	: Enabled
Screen Reader	: Supported



STEM Sat is designed to be used by students in grades K-12. The program provides a variety of resources, including lesson plans, activities, and videos, that can be used to teach students about CubeSats and their applications in STEM. STEM Sat also provides opportunities for students to participate in hands-on CubeSat design and construction projects.

## **Benefits of STEM Sat**

STEM Sat offers a number of benefits for students, including:

- Provides students with hands-on experience in STEM learning
- Teaches students about CubeSats and their applications
- Promotes collaboration and teamwork
- Develops students' critical thinking and problem-solving skills
- Enhances students' interest in STEM careers

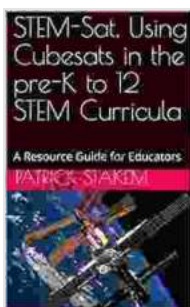
## **How to Use STEM Sat**

STEM Sat can be used by teachers and students in a variety of ways. The program provides a number of resources that can be used to teach students about CubeSats and their applications. STEM Sat also provides opportunities for students to participate in hands-on CubeSat design and construction projects.

To use STEM Sat, teachers can visit the program's website at [www.stemsat.org](http://www.stemsat.org). The website provides a variety of resources, including:

- Lesson plans
- Activities
- Videos
- Information about CubeSats
- Opportunities to participate in hands-on CubeSat design and construction projects

STEM Sat is a valuable educational program that can help students to learn about STEM in a fun and engaging way. The program provides a variety of resources that can be used by teachers and students to teach and learn about CubeSats. STEM Sat also provides opportunities for students to participate in hands-on CubeSat design and construction projects. By using STEM Sat, students can gain hands-on experience in STEM learning and develop valuable skills that will help them to succeed in STEM careers.



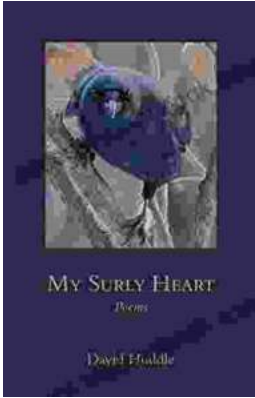
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