

## Hughes STEM High School

- **How do you define "partnership?"**

Partnerships can be defined by the Hughes STEM community as the purposeful integration of STEM learning experiences and community/business resources across multiple levels. Using this definition provides a holistic view of improving STEM classroom teaching and learning and creates an environment where STEM activities are less likely to exist in isolation.

- **What does a good partnership model look like?**

Hughes and its partners work in a “nested” model that supports a strong framework for the growth and development of STEM education both inside Hughes and within our full community. This allows us to appropriately prioritize and use partnerships on multiple levels: national and state initiatives (mainly through the Ohio STEM Learning Network), regionally (for example working with the Next Generation Learning Lab Network) locally (through the STRIVE/STEM collaborative), as well as - and importantly - on the school level (e.g. in Hughes HS infrastructure and every individual Hughes classroom for every student).

The goal of such a multi-tiered partnership model is to help us develop a deeper understanding and a more robust support system for STEM-specific curriculum design on students, students’ learning, and lived experiences of the total Hughes community.

- **What is required of each member of a partnership to make it successful?**

Collaboration and Communication around the needs of each of the partners and the school; goal setting around outcomes for both and frequent assessments of the touch points as to their effectiveness.

### School

Name of school: Hughes STEM High School

Location of school: 2515 Clifton Ave, Cincinnati, OH

Year opened: 2009

Number of teachers: 43

Grades of students: 7 - 11

Number of students: 779

School web address: [hughesstemhs.cps-k12.org](http://hughesstemhs.cps-k12.org)

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Brief description of the school:

**The Hughes STEM high school offers a bold new approach to education in Cincinnati Public Schools. The acronym STEM stands for the disciplines of Science, Technology, Engineering and Mathematics. STEM also encompasses the following:**

- Project-based learning
- Critical thinking
- Application of technology across all disciplines
- Strong liberal arts foundation
- Breaking down barriers between the school, higher education, business and community organizations
- The development of 21st century interpersonal and organizational skills
- Exposure to the college environment and earning college credits while in high school
- Strong partner engagement

At the Hughes STEM High School, we have embraced the view that academic content should not be taught in isolation. Students will be immersed in rich, meaningful, STEM experiences through interdisciplinary coursework applied in the context of the real world through business and community partnerships. In these workplace experiences, students will not only learn to apply knowledge, but they will also learn about a wide range of STEM careers, develop professional communication skills, and develop their ability to apply technology to real world situations. In short, the Hughes STEM High School will lead students to develop the skills that they will need in order to succeed in the 21st century.