

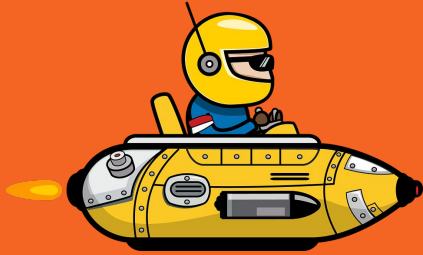


STEMSCOPES

Assistant Superintendent/Principal, Stephanie Palmer
7th/8th Grade Science Giles, Steve Hovorka
6th/7th Grade Science Giles, Taylor Provax
5th/6th Grade Science Giles, Jennifer Foley
3rd Grade Science, Victoria Morrone

Curriculum Adoption through the Curriculum Review Process

Curriculum Review Committee Process



Science Year 3: Implement and Align

- Communicate with Families/Community
 - Launch in all Classrooms
 - PD for Faculty
 - Design/Analyze Assessments
 - Integrate into MTSS Plan
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What is a “SCOPE”?

- A unit of study focused around the Next Generation Science Standards (NGSS)
- Includes inquiry based, hands-on/minds-on activities
- Follows a 5E learning model, a lesson model aligned with the learning goals of NGSS
- Activities include both collaboration and individual work
- Includes support and extension activities to complement student learning



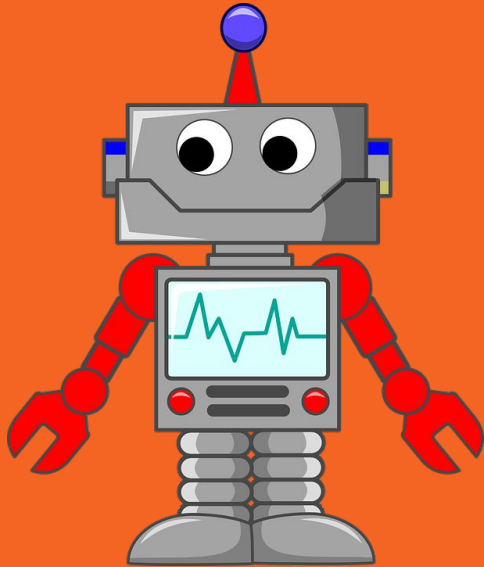
Features of STEMSCOPES: Lessons



- Involves hands on engineering design and real world problem solving
 - Aligns the labs and lessons to Next Generation Science Standards
 - Connects to common core standards in Math, Writing, and Reading
 - Provides differentiation in the classroom
 - Student-centered learning
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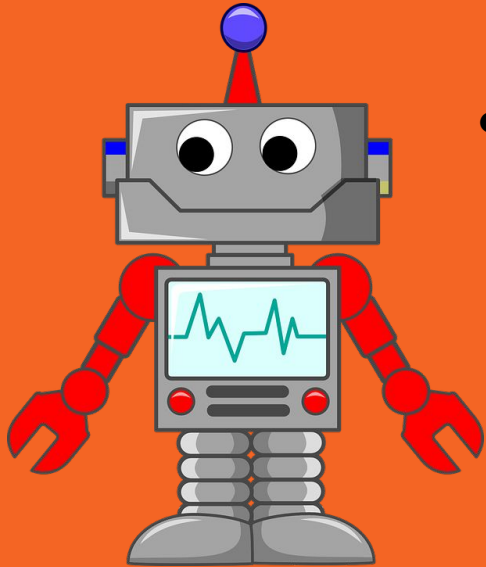
Features of STEMSCOPES: Online

- Being fully online, STEMscopes is instantly accessible and highly customizable for students' individual needs.
 - STEMscopes allows students to continue the learning outside the classroom with assignable, online student activities.
 - Allows students to submit their assignments all in one place, and helps teachers to keep track of assignment completion.
 - Teachers can access a variety of authentic assessments
 - Supports 21st century classroom learning
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Differentiation

- Teachers can access data on individual performance.
- STEMscopes offers manageable solutions to reach under-performing students
- Offers the opportunity to conduct project based learning and cross-curricular connections.





Kindergarten through 4th Grade

- STEMscopes Early Explorer introduces students to scientific phenomena, literacy, mathematics, while developing inquiry skills and critical thinking.
- Centers-based learning model enables easy differentiation with cross curricular learning.
- Beautifully illustrated Big Books help students develop literacy while learning science content
- Core approach is hands-on investigation; doing science is learning science, using supplemental kits.



Best Practices

All schools whose students feed into Ridgewood will now have the same curriculum

Ensures curriculum fidelity





Next Steps

Professional Development

Ordering materials

Introducing this to students and parents

Ongoing assessment
