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A SUPPLEMENT TO *SUPERSCIENCE*
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WELCOME BACK, TEACHERS!

Dear *SuperScience* Teachers,

Are you ready for a year of fun, fascinating stories and engaging hands-on science? This issue is packed with captivating articles and teaching resources to help you start the year off strong!

Just turn the page to see all of the ready-to-go activities, videos, games, and bonus materials that we've crafted for you and your students. **I'd like to highlight two investigations we're so excited about. Both come with special videos!**

- With our article **"Fly Girl,"** about an indoor skydiving teen, we've got a simple hands-on activity showing how forces affect falling objects. Students can analyze data and discuss science ideas. Our bonus "Science in a Snap" video shows how to set up and complete the investigation!
- After reading **"Your Brain on Music,"** try an investigation to explore whether music affects students' concentration. A special video guides students to complete a memory test like the one described in the article. Plus, there's a data recording sheet and more ideas in the lesson plan.

These resources—and so much more—are all available on our website! Just follow the three steps below to log on. If you need any help getting started, please email me at the address below.



Warmly,

Maggie Mead, Editor

superscience@scholastic.com

Go online to get digital articles, videos, games, and more!

1

Go to our website:
[scholastic.com/superscience](https://www.scholastic.com/superscience)

2

Click **Log In** and select
I am a teacher

3

Sign in and enter
your access code

Turn the page for a guide to all our online resources for this issue!





September 2022 at a Glance

A guide to your standards and online resources for this issue!

To access all your online resources, go to scholastic.com/superscience



All skills sheets are available as Google Slides or Quizzes!



MORE ONLINE RESOURCES



Hands-on Activity



Lesson Plan



Lower-Level Article



Text-to-Speech

FEATURE ARTICLE*	VIDEOS, GAMES & SLIDESHOWS	STANDARDS**	OBJECTIVE	ACTIVITIES	Hands-on Activity	Lesson Plan	Lower-Level Article	Text-to-Speech
PAGE 6 Physical Science Fly Girl	Video Indoor Skydiver Sydney Kennett: See an acrobatic indoor skydiving performance. Video Up in the Air: Watch the article's author try indoor skydiving. Game Robot Race: All About Forces & Motion	NGSS: PS2.A: Forces and Motion CCSS ELA: Speaking and Listening: 1 TEKS: Science: 3.7A, 4.7, 5.7A, 6.7A, 6.7B ELA: 3.7G, 4.7G, 5.7G, 6.1A	Physical: Students will investigate, model, and explain how an indoor skydiver controls her motion.	Common Core ELA: My Day Flying Hands-on Investigation: How Fast Does It Fall? <i>Bonus: Watch "Science in a Snap" video for a demonstration</i> Assessment: Quick Quiz	✓	✓	✓	✓
PAGE 10 Life Science Your Brain on Music	Video Your Brain on Music: Take a memory test to explore how music affects concentration. Student Poll Do you like to listen to music while you do homework?	NGSS: LS1.D: Information Processing CCSS ELA: Speaking and Listening: 2 TEKS: Science: 3.2B, 4.2B, 5.2B, 6.2B ELA: 3.7D, 4.7D, 5.7D, 6.6D	Life: Students will summarize and evaluate an investigation about how music affects concentration.	Common Core ELA: Fact or Opinion? Scientific Inquiry: Investigate It! Assessment: Quick Quiz		✓	✓	✓
PAGE 12 Earth Science Secrets of the Boiling River	Video The Amazon's Boiling River: Learn about the extreme environment of the Boiling River in Peru.	NGSS: ESS2.A: Earth Materials and Systems; ESS2.B: Plate Tectonics and Large-Scale System Interactions CCSS ELA: Reading Informational Text: 3 TEKS: Science: 3.3B, 4.3B, 5.3B, 6.10A ELA: 3.7C, 4.7C, 5.7C, 6.6C	Earth: Students will describe important traits of an unusual river.	Common Core ELA: Read and Review Map Analysis: Biomes of South America Assessment: Quick Quiz		✓	✓	✓
PAGE 14 Life Science Cheetah's Best Friend	Video Know Your Cheetahs: Watch these speedsters run, and find out how they're different from other big cats.	NGSS: LS1.A: Structure and Function; ESS3.C: Human Impacts on Earth Systems; ETS1.A: Defining and Delimiting Engineering Problems CCSS ELA: Reading Informational Text: 5 TEKS: Science: 3.5G, 3.13A, 4.5G, 5.5G, 5.12C, 6.5G; ELA: 3.9D, 4.9D, 5.9D, 6.8D	Life: Students will explain how a conservation program solved problems affecting farmers and cheetahs.	Common Core ELA: Identifying Text Structures Map Analysis: Cheetah Territory Assessment: No-Sweat Bubble Test		✓	✓	✓
PAGE 18 Engineering Playground Designer	Video Tires Into Playgrounds: Watch Anthill Creations in action, building colorful playgrounds. Game Engineer This! Build and test a method to move a ball into a cup.	NGSS: ETS1.A: Defining Engineering Problems; ETS1.B: Developing Solutions CCSS ELA: Reading Informational Text: 1 TEKS: Science: 3.4B, 4.4B, 5.4B, 6.4C ELA: 3.6H, 4.6H, 5.6H, 6.5H	Engineering: Students will use information from an interview with a playground designer to redesign a playground.	Evaluate Information: Cool STEAM Jobs Spotlight Engineering Challenge: Playground Redesign	Plan a Design			✓
PAGE 20 Physical Science The Case of the Goopy Cookies		NGSS: PS1.A: Structure and Properties of Matter CCSS ELA: Reading Literature: 1 TEKS: Science: 3.6A, 3.6C, 4.6A, 5.6A, 6.6A ELA: 3.6F, 4.6F, 5.6F, 6.5F	Physical: Students will analyze clues from a fictional text and a hands-on investigation to figure out what caused a mysterious event.	Common Core ELA: Cracking the Case Hands-on Investigation: Solve the Mystery	✓	Mini Lesson		✓
PAGE 22 Data Analysis Start Your Engines!	Video Video Games: Then and Now: Learn about the history of video games and see how they have changed.	NGSS: ETS.1C: Optimizing the Design Solution; ETS2.B: Influence of STEM on Society CCSS ELA: Writing: 2 TEKS: Science: 3.2C, 4.2C, 5.2C, 6.2C ELA: 3.6E, 4.6E, 5.6E, 6.5E	Data: Students will interpret visuals and analyze data about an iconic video game series.	Engineering Challenge: The Next Level Assessment: Dig Into the Data	✓			✓

*The reading levels for all articles are listed in the online lesson plans. **The NGSS Science and Engineering Practices and Crosscutting Concepts are listed in the online lesson plans.

There's so much more FOR YOU online at **scholastic.com/superscience**

Use these ready-to-go resources to make learning joyful and rewarding!

Captivating Videos



Build background knowledge and spark discussion with engaging videos.

Hands-on Activities

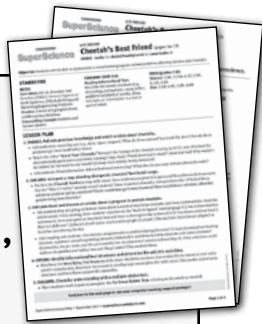


Develop students' understanding and grow their skills with hands-on investigations and engineering design challenges.

Just look for this hands-on icon in the magazine!

Step-by-Step Lesson Plans

Use our inquiry-based, standards-aligned lesson plans. Each **downloadable** and **printable** lesson plan includes questions and teaching tips.



Family Engagement Letter

Connect with students' families using *SuperScience!* This letter will help facilitate conversations at home, and it comes with a template to support students' writing.

Use your access code to log in.

You'll have access to years of articles, a video collection, and more!

Here's a sneak peek at some of the October/November 2022 Issue:*

Life Science	Killer Carnivorous Plants!	LS1.A: Structure and Function; LS4.C: Adaptation
Physical Science	Properties of Helium	PS1.A: Structure and Properties of Matter; ESS3.A: Natural Resources
Earth Science	STEM History: Meet Archaeologist Bertha Parker	ESS1.C: The History of Planet Earth
Engineering	Cool STEAM Jobs: Pixar Animator	ETS1.B: Developing Possible Solutions; ETS2.B: Influence of STEM on Society

*The editors may change content as needed.

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