PhD SCIENCE®

PILOT CHECKLIST FOR TEACHERS

WELCOME

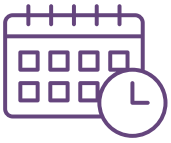
Welcome to your *PhD Science*® Pilot. Watch as your classroom transforms into a hands-on, student-driven environment where students explore real-world phenomena. *PhD Science* inspires students to wonder about the world and empowers them to make sense of it. Students actively engage in science to build knowledge, rather than memorizing and quickly forgetting. Through this knowledge-building approach, *PhD Science* students develop problem-solving and critical-thinking skills that extend well beyond the science classroom.

GET STARTED

Our goal is to help make your *PhD Science* pilot experience successful.
Visit the **Pilot Support Page** for videos and resources to complete each step below.

STEP 1:
GATHER YOUR
MATERIALS

STEP 2:
GET TO KNOW
PHD SCIENCE



STEP 3:
PREPARE
TO TEACH

STEP 4:
TEACH AND
REFLECT

STEP 1

Gather Your Materials

☐ Ensure you have

- a *Teach* book,
- a Science Logbook for each student,
- a materials kit, and
- customizable lesson slides.

☐ Access your module's materials list on the Pilot Support Page under the Materials section. Verify that your materials kit includes all provided items. Collaborate with your instructional leader to determine how you will gather the additional school-supplied items noted on the materials list.

STEP 2

Get to Know *PhD Science*

☐ Watch the 'Getting to Know the *Teach* Book' video on the Pilot Support Page. Follow along in your own *Teach* book.

☐ Explore the Implementation Guide on the Pilot Support Page under the Materials section.

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GREAT MINDS™

STEP 3

Prepare to Teach

☐ Watch the 'Module Structure and Preparing to Teach' video on the landing page. This video describes the module structure and considerations to make when preparing to teach *PhD Science* for the first time.

☐ In your *Teach* book,

- read the Module Overview and the Prepare sections for each lesson you will teach;
- read each lesson and identify the Check for Understanding;
- preview the Conceptual Checkpoint(s) and the End-of-Module Assessment; and
- review Appendix B: Module Storyline for a summary of the module's progression of concepts from the student perspective.

STEP 4

Teach and Reflect

☐ Teach the lessons as intended, allowing for more time as needed. Creating a hands-on, student-led classroom is an ongoing process that requires persistence.

☐ Reflect on and document success and challenges along the way.

☐ Select, gather, and analyze artifacts such as Science Logbook pages, scoring guides, and rubrics.

☐ Share feedback with leaders regarding pilot effectiveness.

LEARN MORE

Our approach to science instruction and teaching

Explore the Getting Started with *PhD Science* webpage to access videos, webinars, blogs, and more by visiting **greatminds.org/science/phdscience/getting-started**.

How *PhD Science* supports leaders and teachers

Explore the *PhD Science* Professional Learning webpage by visiting **greatminds.org/science/phdscience/professional-learning**.

Have questions or need additional pilot support?

Contact your Great Minds representative by visiting **greatminds.org/contact-us/sales.**

CLOSING

We deeply appreciate your dedication and hard work as you embark on this exciting journey, piloting *PhD Science*. We understand that navigating a hands-on, student-driven curriculum can be challenging and sometimes a bit messy, but your commitment to fostering curiosity and engagement is what will inspire and empower your students. We're thrilled to have passionate educators like you bringing this curriculum to life, and we can't wait to hear about the impact it has on your students.