

# ACTIVE PHYSICS®



## EDUCATOR MATERIALS REVIEW GUIDE

Welcome to Activate Learning and to **Active Physics**. A full-year, NSF-funded physics curriculum developed for ALL students, with built-in flexibility to be used as a physics first or an upper-level physics course. The program engages students through real-world challenges and projects to address the Oklahoma Academic Standards for Science.

In order to support your consideration of the **Active Physics** curriculum, we have enclosed the materials outlined below.

### Review Materials include:

#### Shipment # 1

- Active Physics Student Edition
- Active Physics Teacher's Edition Volume 1

**Comprehensive Kit List link:** <https://s3.amazonaws.com/al.general/packing-slips/activephysics.pdf>

**Oklahoma Review Link:** <http://activatelearning.com/oklahomareview/>

#### Digital Info:

Log-in Site:	<a href="https://ebook.iat.com/">https://ebook.iat.com/</a>
Username:	<a href="mailto:activephysics@review.com">activephysics@review.com</a>
Password:	Activate2020

### Program Overview

#### Three-Dimensional, Project-Based Learning

- Embraces the three-dimensional learning of the Next Generation Science Standards (NGSS), seamlessly integrating science and engineering practices, crosscutting concepts, and core ideas
- Each chapter is anchored in an interesting and meaningful challenge.
- Students use their new physics knowledge to creatively solve their Chapter Challenges.

#### Students Learn Like Scientists and Engineers

- Students develop important 21st century skills as they work collaboratively in groups and engage in science discourse.
- Students engage in the Engineering Design Cycle as they iteratively work towards completing the Chapter Challenge.
- The program is based on cognitive science research encapsulated in the 7E Instructional Model.

#### Total Support for Teachers

- Student Edition and a comprehensive Teacher's Edition are available in print and digital formats.
- Active Physics Plus extends learning for students who need and want more mathematics, depth, concepts, or explorations.
- Online resources include daily lesson plans, pre-quizzes, student misconceptions, differentiation strategies, as well as videos that highlight the crucial physics for each section and videos that familiarize teachers with lab equipment and setup.

Thank you for taking the time to review **Active Physics**