

REMOTE LEARNING FEATURES REVIEW

HMH Texas Physics Basic Classroom Package 1-Year Digital Subscription (75 Students) Houghton Mifflin Harcourt Publishing Company

Section I. Remote Learning Features

Digital and printable resources

Student materials include both digital and printable resources.

Resource	Available Digitally	Printable
Student edition	Yes	Yes
Student workbook	Yes	Yes
Student worksheets	Yes	Yes
Texts / books	Yes	Yes
Subject specific tools	Yes	Yes
Activities	Yes	Yes
Quizzes	Yes	Yes
Tests	Yes	Yes

Printable resources can be printed by select pages and select components. Lab manuals, most worksheets and the *Assessment Guide* pages are available in Word and can be editable prior to printing. ExamView banks are downloadable and editable, as well.

Tools for special populations

The student ebook contains the following tools to address the needs of special populations:

- Text magnification
- Multilingual glossary
- Note-taking and highlighting tools
- Strategies for English Language Learners
- Alternate assessments

Connection between print and digital components

Content in print and digital components is similar, but the student ebook contains additional features including videos, interactive problems and solutions with audio support, a multilingual glossary, and digital graphing tools and calculators. The digital material provides remote students with a learning experience that is equitable to that of in-person students by providing digital access to all resources to support learning from home.

Completion, submission, and review of work

Students can complete and submit work online through the product platform. The platform requires student rostering and is compatible with many popular student information systems including:

- Infinite Campus
- Powerschool
- Skyward
- Texas Student Data System (TSDS)

Teachers can review students' work and provide feedback online through the product platform.

Grade-level differences

Physics is a stand-alone high school course.

Section II: Synchronous Instruction

Teacher guidance for synchronous instruction

Although the teacher guidance does not specifically address using this material for remote instruction, teaching strategies and printable lesson plans support teachers in delivering synchronous instruction.

Supports for student-to-student interaction

The material relies on the district LMS to support remote student-to-student interaction.

Supports for teacher-to-student and student-to-teacher interaction

The material's platform does not contain tools to facilitate remote student-to-teacher or teacher-to-student communication. Teachers and students can communicate using the district's preferred video conferencing platform (e.g., Zoom, Teams, Google Meet) and/or tools in the district's LMS.

Section III: Asynchronous Instruction

Support for asynchronous/independent learning

The following features in the material support concept development:

- Feedback capabilities
- Videos
- Interactive demonstrations
- Simulations
- Sample problems and guided examples

Teachers can review and respond to student notes in the student ebook. The ebook's online *Solution Tutor* gives students multiple attempts to answer the same question, displays the correct answer, and provides tips and guided practice. Most chapters include *Animated Physics* videos and video demonstrations that deliver instruction through animation, teacher lectures, and narrated examples. The speed of videos cannot be adjusted. Sample problems with guided solutions, interactive video demonstrations, and simulations are also provided in most chapters of the student edition.

Section IV. Progress Monitoring Features

Progress monitoring by teachers, parents/guardians, and students

The material includes the following features and reports to help students and teachers monitor progress:

Features	Student (self-monitoring)	Families	Teachers
Usage	Yes	—	Yes
Time on task	—	—	—
Assignment completion	Yes	—	Yes
Standards mastery	—	—	—
Skills mastery	—	—	—
Automatic scoring	Yes	—	Yes

The material provides score reports by individual student and class.

Integration of progress monitoring tools

The program's progress monitoring features cannot be integrated directly with district progress monitoring systems, but administrators and teachers can export student data into a CSV file for use with other software applications. Grade pass-back is not supported.

Assessments

Some assessments, including section quizzes and chapter tests A and B, can be completed remotely through the material's platform.

Teacher guidance/recommendations

The material's progress monitoring features prescribe intervention and retesting activities based on individual student's responses.

Section V. Usability for Families

Sign-on process

All users can log into the program through single sign-on (SSO). The program integrates with Self Service Google SSO, SAML, and OpenID Connect setup. Classlink provides additional, non-self-service SSO options. Parents access the digital platform using their child's login credentials.

Built-in support for students and families

The following embedded supports help students and families understand the material's content:

- Help feature identifies the available student resources
- Student resources, including study guides, classroom labs, *Texas Physics Reference Materials*, and FoldNotes
- Frequently asked questions
- Multi-language glossary

The supports, other than the glossary, are only available in English. The downloadable multilingual glossary includes English, Spanish, Chinese, Vietnamese, Khmer, Laotian, Arabic, Haitian Creole, Russian, Portuguese, and Hmong.

Student resources to support special populations include:

- Audio chapter summaries
- Student tools, including *Strategies for English Language Learners* and *Scientific Reasoning Skill Builder*
- Appendices with reference material and additional practice problems

These supports are also only provided in English.

Districts will not incur additional costs for these supports.

Section VI. Training and Support for Teachers

Teacher training and support

The following embedded training resources and supports assist teachers in using the material for remote learning:

- Tech support
- Teacher resources, including a *Teaching Strategies* document and a Teacher Toolkit
- Help center with frequently asked questions/ how-to instructions

Teacher training and supports are only provided in English.

The teacher tools include *ELPS Strategies* to address the needs of English learners. The teacher edition provides point-of-use differentiation guidance, and a Teacher Toolkit includes general guidance on differentiating instruction, as well as skill-building guides such as process and inquiry skills, reading and note taking skills, and vocabulary strategies.

Section VII. Addresses Unfinished Learning

Vertical alignment of standards and content

The material does not include a pacing guide. Lessons clearly identify the student expectations addressed, and a correlation tool identifies resources in the material that are linked to individual Texas Essential Knowledge and Skills (TEKS) breakouts and English Language Proficiency Standards (ELPS). The *Teaching Strategies* documents for each chapter contain a brief Activate Prior Knowledge section. Labs also identify necessary prior knowledge.

Guidance on how to address missed learning

The material does not provide pre-assessments to identify missed learning in the prior year or prior chapter. Section quizzes and chapter tests identify missed learning in the current chapter, but assessment results do not provide guidance on how to address missed learning.

TEKS-aligned tutoring resources

The material does not contain separate tutoring resources; however, TEKS-aligned resources in the material, including point-of-use *Assess and Reteach* content, section and chapter study guides, and labs, can be used to support tutoring.