

REMOTE LEARNING FEATURES REVIEW

Texas World of Chemistry Classroom Solution High School
National Geographic Learning Cengage

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 sections. The material cannot be edited prior to printing.

Tools for special populations

The digital student material contains the following tools for special populations:

- Text reader
- Font size adjustment
- Zoom in on math
- Note taking and highlighting tools

The Zoom in on math function enables students to click on an equation to zoom in on it.

Connection between print and digital components

Content in print and digital components is identical, but the digital version contains additional features and tools including a text reader, note taking tools, and font size adjustment.

The digital material endeavors to provide remote students with a learning experience that is equitable to that of in-person students by providing a student textbook that mirrors the content of the print version.

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 some student management systems. Cengage provides a rostering service.

Teachers must load content into the district LMS; Cengage will support the process and provides guidance documents. The program is compatible with the following learning management systems:

- Canvas
- Schoology
- Brightspace
- Blackboard
- Moodle

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

Grade-level differences

Chemistry is a stand-alone high school course.

Section II: Synchronous Instruction

Teacher guidance for synchronous instruction

The material provides a *Getting Started Guide* for teachers which includes implementation support and guidance for use in virtual learning environments.

Supports for student-to-student interaction

The material's platform does not support student-to-student interaction but rather relies on tools in the district LMS to support 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 (Zoom, Teams, Google Meet).

Section III: Asynchronous Instruction

Support for asynchronous/independent learning

The following features in the material support concept development:

- Feedback capabilities
- Videos
- Audio files
- Sample work and/or examples
- Guided activities/problems

The program provides students with automated feedback and multiple attempts on assignments, quizzes, and tests. These features are controlled by the teacher within the SAM question bank. When multiple attempts are provided, the material resequences existing questions. Videos occur in each chapter and deliver instruction using narrated examples. Audio files provide narration for the student edition using a computer-modulated voice. The speed of videos and audio files cannot be adjusted to accommodate differences in students' auditory processing abilities. Guided activities and sample solved problems are included in each chapter. Sample work and/or examples are provided with labs and writing assignments, short response questions, and projects in each chapter.

Section IV. Progress Monitoring Features

Progress monitoring by teachers, parents/guardians, and students

The material includes the following features and reports to help students, parents/guardians, and teachers monitor student progress:

Features	Students (self-monitoring)	Families	Teachers
Usage	Yes	Yes	Yes
Time on task	Yes	Yes	Yes

Features	Students (self-monitoring)	Families	Teachers
Assignment completion	Yes	Yes	Yes
Standards mastery	Yes	Yes	Yes
Skills mastery	Yes	Yes	Yes
Automatic scoring	Yes	Yes	Yes

The material provides scoring reports by individual student, class, and grade level.

Integration of progress monitoring tools

The program's progress monitoring features can be integrated with some district progress monitoring systems. Cengage supports this process. Grade pass-back is not supported.

Assessments

All assessments can be completed remotely through the material's platform.

Teacher guidance/recommendations

The material's progress monitoring features do not provide guidance or recommendations to help teachers support individual students.

Section V. Usability for Families

Sign-on process

Students sign-on to the system using their unique username and password or using single sign-on programs.

Built-in support for students and families

The following embedded supports help students and parents/guardians understand the material's content:

- Mobile device application
- Live chat feature
- Student guide
- At-home learning guide with content support
- Frequently asked questions
- Online tutors / on-call live teachers

Supports are available in English.

The student edition's supports for special populations include a text reader that narrates the text in its entirety, the ability to increase or decrease font sizes, and tools for note taking and highlighting. The Zoom in on math function enables students to click on an equation to zoom in on it. These supports are only available 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 resources assist teachers in using the material for remote learning:

- Chat option
- Tech support
- Teacher guide
- How-to webinars
- Video model lessons
- Help center with frequently asked questions/how-to instructions
- Teacher forum/community
- Guidance for virtual instruction

Teacher training and supports are only provided in English.

Teacher materials do not specifically address the needs of special populations.

Section VII. Addresses Unfinished Learning

Vertical alignment of standards and content

The material is organized topically; a pacing guide is not included.

Guidance on how to address missed learning

The material does not identify or provide content to address missed learning.

Texas Essential Knowledge and Skills (TEKS) aligned tutoring resources aligned tutoring resources

Tutoring resources are not provided.