

TEKS Grade 8 - S.8.8.B

Application of Electromagnetic Waves

- ✓ 8th Grade Science TEKS Curriculum Bundle
- ✓ Variety of Lesson and Activity Types
- ✓ Digital + Printable Formats



NEW 2024



- **Saves Prep Time** - Everything is pre-made, ready to go, and fully editable.
- **Resources are Engaging, Applicable, and Fully TEKS Aligned.**
- **Includes a Teaching Timeline**
- **Digital and Print** - Most resources come in PDF, Office, and Google versions.

SCROLL
to learn more!



HOW THIS BUNDLE HELPS YOU

- **Saves Prep Time** - Everything is pre-made, ready to go, and fully editable.
- **Digital and Print** - Most of the resources come in PDF, Office, and Google versions so no formatting needed. They can be printed, uploaded, or displayed.
- **Provides Applicability** - So you know what to teach and when in order to fully cover the TEKS Standards.

Lessons, Activities, & Daily Teaching Timeline



Refraction

- What Refraction Is
- Reflection vs. Refraction
- Rules of Refraction
- The Impact of Refraction on Images
- Apparent Depth
- Partial Reflection and Refraction
- Speed of Light
- Index of Refraction
- Total Internal Reflection
- Fiber Optics

This digital presentation includes both Google and Office resources and is [Google Classroom Ready](#)

TEKS – Grade 8

5.8.8 Force, motion, and energy. The student knows how energy is transferred through waves.

5.8.8.B - The student is expected to explain the use of electromagnetic waves in applications such as radiation therapy, wireless technologies, fiber optics, microwaves, ultraviolet sterilization, astronomical observations, and X-rays.

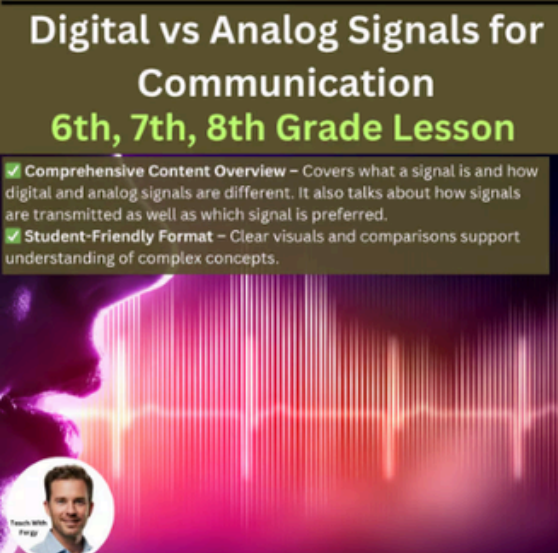
Resources:

- *Refraction – Lesson*
- *Digital vs Analog Signals for Communication – Lesson*
- *How Waves Are Used for Communication - Reading*
- *The Northern and Southern Lights - Reading*

TEKS Science Daily Teaching Plan

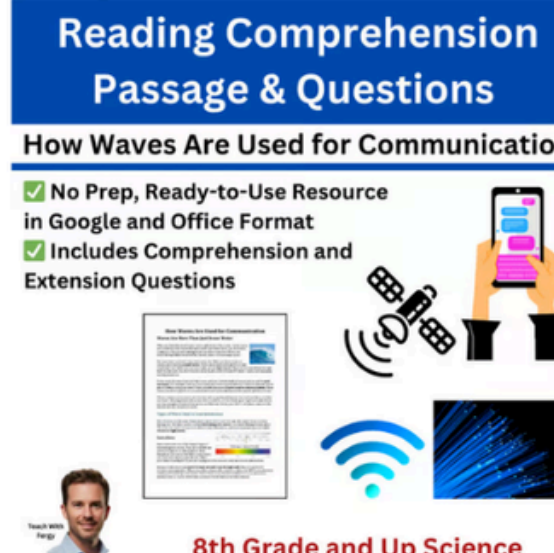
Lesson Length: 55 minutes
Timeframe: 1 Week, 5 Days

Day	Lesson/Activity
Day 1	Start Refraction – Lesson
Day 2	Finish Refraction – Lesson
Day 3	Digital vs Analog Signals for Communication – Lesson
Day 4	How Waves Are Used for Communication - Reading
Day 5	The Northern and Southern Lights - Reading



Digital vs Analog Signals for Communication
6th, 7th, 8th Grade Lesson

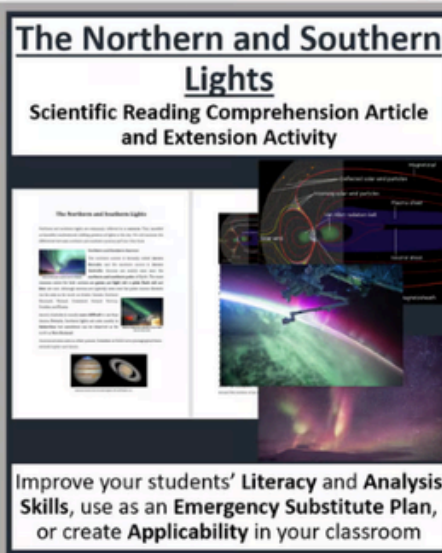
- ✓ **Comprehensive Content Overview** – Covers what a signal is and how digital and analog signals are different. It also talks about how signals are transmitted as well as which signal is preferred.
- ✓ **Student-Friendly Format** – Clear visuals and comparisons support understanding of complex concepts.



Reading Comprehension Passage & Questions
How Waves Are Used for Communication

- ✓ **No Prep, Ready-to-Use Resource** in Google and Office Format
- ✓ **Includes Comprehension and Extension Questions**

8th Grade and Up Science



The Northern and Southern Lights
Scientific Reading Comprehension Article and Extension Activity

Improve your students' **Literacy and Analysis Skills**, use as an **Emergency Substitute Plan**, or create **Applicability** in your classroom

★ Day-by-day Teaching Schedule

★ 2 Interactive Lessons

★ 2 Engaging Activities

★ Office, Google, and PDF Versions of Resources



What You Get

Lessons, Activities, & Daily Teaching Timeline

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Digital vs Analog Signals for Communication

6th, 7th, 8th Grade Lesson

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8th Grade and Up Science

The Northern and Southern Lights

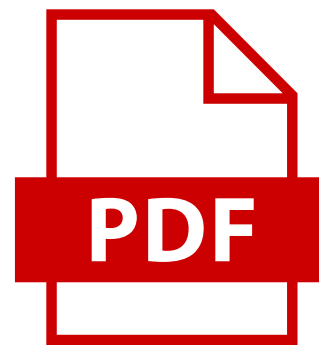
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WHAT SPECIFICALLY DO YOU GET?

Who is this Bundle for?

- Teachers who teach 8th grade science in Texas
- Teachers who want multiple resources at their fingertips including lessons and a variety of activities, in order to prepare their students for the STAAR Science Exam
- Teachers who don't have time to develop their own resources or organize what to teach and when



- Refraction – Lesson
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Upgrade to the TEKS Grade 8 Bundle

✓ **SAVE YOU 85%!**

✓ **Covers All 8th Grade TEKS Standards:** Fully aligned with Texas' standards for Grade 8 Science.

✓ **Massive Resource Library:** Includes 5E lesson bundles, labs, lessons, readings, activities, quizzes, and more across all science domains.

✓ **Organized by Standard:** Easy-to-navigate layout helps you teach S.8.1-13

✓ **No Prep & Editable:** Ready-to-use PDFs, Word docs, and digital versions for seamless classroom integration.

8th Grade Science TEKS Curriculum Bundle

- ✓ Complete 8th Grade Science TEKS Curriculum Bundle - Ideal for Classroom and STAAR prep
- ✓ Variety of Lesson and Activity Types
- ✓ Organized by Topic & Standard
- ✓ Digital + Printable Formats



**Click to
learn more!**

As a special bonus, I want to send you a few resources that you can use in your classroom tomorrow. Completely free and geared towards what you teach!



Just  **and then choose what you teach!**

thanks
**for your interest
in this resource!**

