

Electricity Unit BUNDLE

- ✓ Complete 4-6 Week Unit
- ✓ Include a Daily Teaching Schedule
- ✓ Hands-On & Digital Activities
- ✓ Google & Office Compatible



Over 420 Units Sold
on TPT!

Electricity – Complete Unit

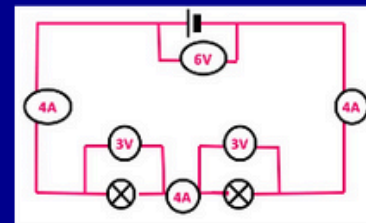


Lessons Include:

- ✓ Lesson 1 - Electricity
- ✓ Lesson 2 - Solving Circuit Diagrams
- ✓ Lesson 3 - Resistance and Ohm's Law
- ✓ Lesson 4 - Solving Electrical Circuits with Resistance
- ✓ Lesson 4a - Electric Circuits Online Lab
- ✓ Lesson 5 - Power and Electrical Energy
- ✓ Lesson 6 - Electrical Safety in the Home
- ✓ Lesson 7 - Producing Electricity
- ✓ Lesson 8 - Static Electricity
- ✓ Lesson 9 - Electrostatic Charge Applications

Includes:

- 4-6 weeks of teaching resources
- Google and Office Format for All Resources
- 2 Unit Tests & 3 Quizzes
- Three Projects
- Four Classroom Activities
- Two Lab Station Activities



**Google Slides and PowerPoint Versions
Included**
Google Classroom Ready

Daily Teaching Schedule

Electricity Unit - Daily Teaching Schedule

This teaching schedule is created in a way that lets your students watch the lesson at home before coming to class so that you can spend more time doing activities, etc. Clicking the hyperlink will take you to the video lesson. It can also be altered so that you teach the lessons using the included presentations. The worksheets can be found inside the lesson folder unless otherwise stated.

Day 1:

- Teach Lesson 1 – Electricity and Current
 - Student Notes
- Drawing Circuit Diagrams student

Day 2:

- Circuit Diagram Quiz Next Day
- Bill Nye Electricity - Located in
- Drawing Circuit Diagrams student

Day 3:

- Circuit Diagram Quiz
- Solving Circuits Diagrams Work
- HW:
 - Watch Lesson 2 – Solving
 - Complete Student Notes
 - Create Student Quiz

Day 4:

- Circuit Diagram Quiz
- Review - Lesson 2 - Solving C
- Solving Circuits Diagrams Work

Day 5:

- Electric Home - Day 1
- HW:
 - Watch - [Lesson 3 - Res](#)
 - Complete Student Notes

Day 12:

- Teach - Lesson 6 - Safety
- Humans and Electric Shocks
- Electric Home - Day 1-4 Finish
- HW:
 - Watch - [Lesson 7 - Producing Electricity](#)
 - Complete Student Notes

Day 13:

- Review - Lesson 7 - Producing Electricity
- HW:
 - Bring materials for Electric Home Build and Poster
 - Human Response to Electric Shock
 - Watch [Lesson 8 - Static Electricity](#)
 - Complete Student Notes

Day 16:

- Review - Lesson 8 - Static Electricity - Part 1
- Work on Electric Home Submission - Poster/Model
- HW:
 - Bring materials for Poster/Model

Day 17:

- Work on Electric Home Poster/Model
- HW:
 - Watch - [Lesson 9 - Electrostatic Charging and Applications](#)
 - Complete Student Notes

Day 18:

- Static Electricity Lab Station Activity

Day 19:

- Review - Lesson 9 - Electrostatic Charging and Applications
- Work on Electric Home Poster/Model - DUE 3 DAYS

Day 6:

- Quiz Lesson 3 - 2 DAYS
- Review Lesson 3 - Resistance
- Electric Home - Day 1 and 2

Day 7:

- Quiz Lesson 3 - NEXT DAY
- Ohm's Law Worksheet
- Electric Home - Day 2 - finish
- HW:
 - Ohm's Law Worksheet
 - Electric Home - Day 1-2 if not done

Day 8:

- Quiz Lesson 3 - TODAY
- Lesson 1-5 quiz - 3 DAYS
- Lesson 4 - Solving Electric Circuits With Resistance

Day 9:

- Lesson 1-5 quiz - 2 DAYS
- Finish Lesson 4 - Solving Electric Circuits With Resistance
- Electric Home - Day 3
- HW:
 - Watch - [Lesson 5 - Power, Electrical Energy, and Efficiency](#)
 - Complete Student Notes
 - Finish Electric Home

Day 10:

- Lesson 1-5 quiz - NEXT DAY
- Review - Lesson 5 - Power
- Electric Home - Day 4
 - Bring in any materials

Day 11:

- Lesson 1-5 quiz
- Electric Home - Day 1-4 Finish

Day 20:

- Test Review Day

Day 21:

- Electric Home Poster/Model Presentations

Day 22:

- Electricity Test

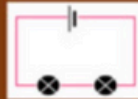
Office and Google Versions

- **This unit includes both Office and Google formats for ALL resources**
- **The lessons are in PowerPoint and Google Slides format while all documents contain Word and Google Doc versions**
- **Your resource is perfect for distance learning and integrates seamlessly with Google Classroom as I've included a link that will automatically create a copy of the resources and put them directly into your Google Drive with one click**

Included Lessons

Electricity and Current

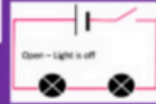
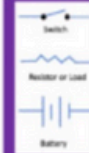
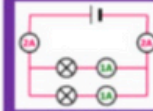
- What Electricity Is
- Atoms and Electrons
- Static Electricity
- Current Electricity
- Drawing Circuit Diagrams
- Parts of an Electric Circuit
- The Cell
- Open vs. Closed Circuits
- Electric Current
- Circuit Types
 - Series and Parallel
- Coulombs



Google Slides and PowerPoint
Versions Included
[Google Classroom Ready](#)

Solving Circuits: Series and Parallel

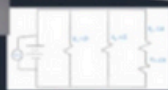
- Circuit Types and Symbols Review
- Measuring Current
- Measuring Voltage
- Circuits Review
- Switches
- Practice



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

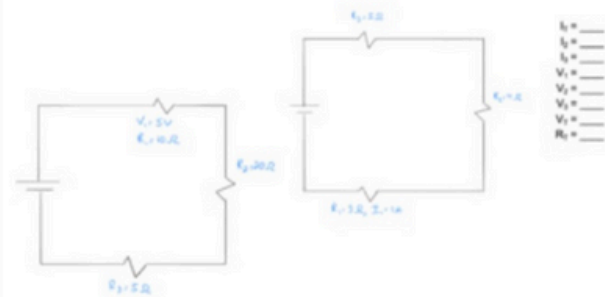
Resistance

- Resistance
- Loads
- Insulators
- Conductors
- Superconductors
- Ohm's Law
- Power
- Calculating Total Resistance



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

Solving Electrical Circuits With Resistance



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

Included Lessons

Electric Circuits Online Lab

- Building circuits
- Measuring Voltage (V)
- Measuring Current (I)
- Calculating Resistance (R)
- Determine the effect of changing V, I and R on bulb brightness
- Calculation practice



Power, Electrical Energy, and Efficiency

- Electrical Power
- Appliance Power Ratings
- Electrical Energy
- Time-Of-Use Energy Prices
- Electrical Efficiency



entation includes both Google and
and is [Google Classroom Ready](#)

Electrical Safety

- Why Should We Know About Electrical Safety
- What can happen?
- Electrical Boxes and Circuit Breakers
- Fuses
- Grounding and Static Discharge
- Wall Outlets (Receptacles)
- GFCI
- Dangling Electrical Lines
- Safety Tips



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

Included Lessons

The Production of Electricity

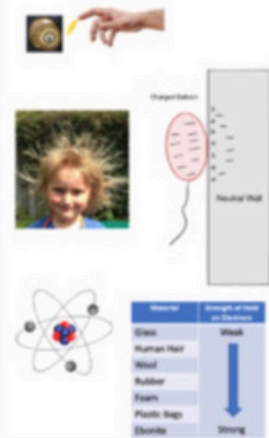
- Non-Renewable Energy
- Fossil Fuels
- Nuclear Fission
- Renewable Energy
- Solar Electricity Production
- Future Solar Technology
- Wind Turbines and Farms
- Hydroelectric Power
- Geothermal
- Nuclear Fusion



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

Static Electricity

- Parts of an Atom
- Neutral Objects
- Charged Objects
- Friction
- Law of Electric Charges
- Static and Hair
- The Electrostatic Series
- Sparks and Lightning



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

Electrostatic Charging and Applications

- Static Electricity Review
- Charging Through Friction and Contact
- Static Shocks
- Grounding
- Electrostatic Applications
- Lightning and Lightning Rods
- Tesla Coils

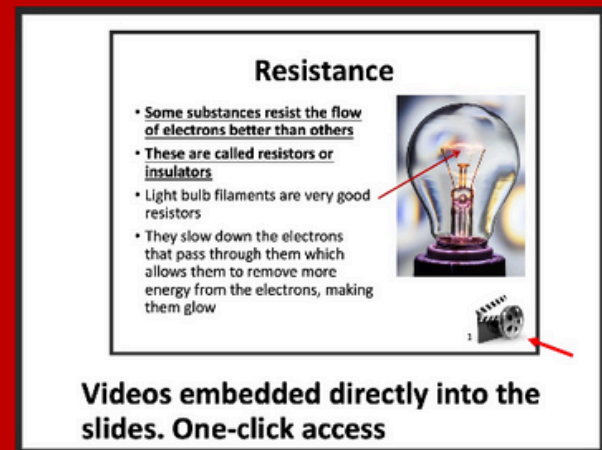
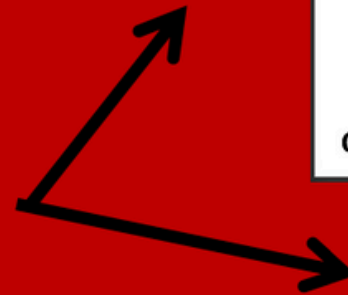


This digital presentation includes both Google and Office resources and is [Google Classroom Ready](#)

Thank You For Your Interest

Each Lesson Includes

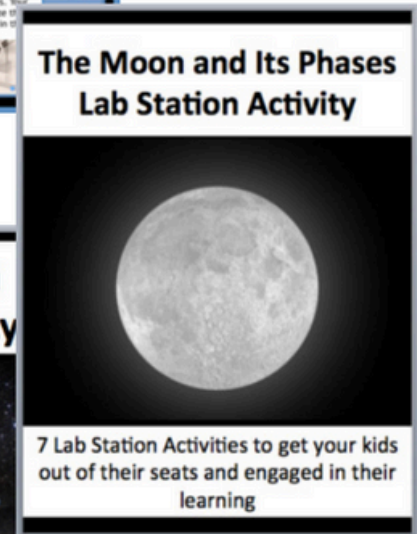
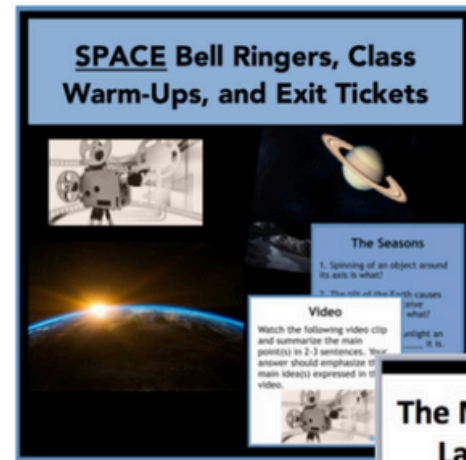
- Google and Office versions of the presentation and all documents
- The teacher version of the presentation
- The student version of the presentation
- PDF version of the presentation
- Videos embedded directly into the slides
- An auto-graded Exit Ticket
- Student lesson handout



Thank You For Your Interest

Also inside the Unit

- Daily teaching schedule
- 1 Quiz and 1 Unit Test
- 5 Lab Station Activities
- 2 Digital Scavenger Hunts
- 2 Culminating Activities
- Unit Bell Ringers, Class Warm-Ups, and Exit Tickets
- Model Solar System Assignment



Buyer Comments

- **"Huge thanks! This unit enabled me to spend more time with my students as opposed to planning out my lessons. Everything was well done and comprehensive."**
- **"You saved me!! Thanks for such a thorough and creative package"**
- **"Absolutely amazing!"**
- **"Helpful resource that saved me prep time. Thanks!"**
- **"I am SO impressed with the quality of this unit!"**
- **"This is a great resource, there are video clips throughout which break up the lecture and PowerPoint. The assignments are great and aren't the typical worksheets. This is great for a quick ready to go resource."**