



Homeschool Den Science Units & Packets

Because our website is a blog, everything is shared as they happen chronologically. So, finding the activities and units we've done can be a challenge. I have tried to create some resource pages to help you out since we have more than 2,500 posts!! Yikes that's a lot!

I suggest that you visit the Science Resource page first to get an overview and see pictures of our units - <http://homeschoolden.com/science-units/> From there you can visit the specific posts which goes into detail about our hands-on activities and shares close up pictures of most of the notebook pages in our packets. 😊 If you ever have any questions or requests, be sure to drop me a note! Liesl@homeschoolden.com

Engineering Activities	<ul style="list-style-type: none"> • Engineering Activities for Kids • 7 Fun STEM Activities for Kids • Free Engineering Curriculum for Kids grades 3 to 8. – This was actually from 2014, but it still gets so many hits, I'll share here anyway. :) 	
Earth Science Activities	<ul style="list-style-type: none"> • 50 Page Earth Science Packet – Pangaea, Plate Tectonics, Plate Movement Activities, Volcanoes, Earthquakes, hands-on activity ideas and more • Earth's Main Systems (Lithosphere) – Biosphere, Atmosphere, Geosphere, Hydrosphere. These are free notebook pages about Earth's major systems. This makes a good introduction to any major study of Earth Science, the atmosphere, biosphere (habitats, biomes etc.) or oceans. • Earth Science: Plate Movement Hands-On Activities • Earth's Geologic Timeline – Earth's history separated by eons in a way the kids could really understand • Earth Science: Layers of the Earth Activity • Free Earth Science Packet: Layer on the Atmosphere • Learning about the Solar System – Including the hands-on kit the kids loved assembling and painting. • Earth Science: Timeline of Earth Activity – A Montessori activity that is meant to impress kids with the enormity of time on Earth. • Tissue Paper Volcano - Create a 3-D volcano and make a lava flow. I did this craft • Hands-On Volcano Activities: Gelatin Volcano - We learned SO much from the gelatin volcano activity. I highly recommend doing this for understanding how lava flows as it does. • How to Make a Shake Table: Earth Science Earthquake Activity – This post includes a quick video of how we made our shake table. • Earth Science: Layers of the Atmosphere Worksheets 	
Cell Unit	<ul style="list-style-type: none"> • Cell Unit: Cell Organelles and their Function, Animal vs. Plant Cells, Eukaryotic vs. Prokaryotic Cells, and more. - the kids learned about the major organelles of the cell and we did some really fun projects • Photosynthesis Worksheets: We spent time learning about Plant Cells and talked about photosynthesis. These notebook pages are free. 	

Science Units and Hands-On Activities

homeschoolden.com

Homeschool Den Science Packets & Bundle Options

Don't forget to check your **PayPal email address** for the download link.

- \$7.99 **Earth Science Unit** (100+ pages)
- \$4.00 **Simple Machines Unit**
- \$4.00 **States of Matter Packet** (see bundle option)
- \$4.00 **Physical and Chemical Properties of Matter Unit (see bundle option)** Matter: Elements, Compounds, Mixtures; Organization of the Periodic Table; Molecular vs. Structural Formulas; Describing Matter: Physical and Chemical Properties; Density Activities – Mass÷Volume; Mixtures: Solutions, Colloids and Suspensions
- \$6.00 **BUNDLE OPTION: States of Matter Packet and Properties of Matter Packet**
- \$7.99 Chemistry Packet** **Chemistry Packet:** Periodic Table, Atoms & Atomic Structure, Valence Electrons, Bohr Diagrams, Electron Dot Diagrams, Covalent & Ionic Bonds
- \$4.50 **Electricity and Circuits STEM Unit**
- \$7.00 **BUNDLE OPTION: Properties of Matter Packet and Electricity and Circuits STEM Unit**
- \$4.50 **A Study of Cells Unit**
- \$3.50 **Human Body Systems**
- \$4.00 **Skeleton Worksheet Packet**
- \$5.99 **Digestive System** (70+ pages)
- \$4.75 **Circulatory System Unit** (40 pages)
- \$18.00 **BUNDLE OPTION HUMAN BODY: Human Body Systems, A Study of Cells Unit, Skeletal System Worksheet Packet, Digestive System, Circulatory System Unit** (Plus, it includes the rough draft version of our muscular system packet which is not yet available publicly.)
- \$4.00 **Animal Unit** (30 pages) – This unit covers animal characteristics, animal classification (the animal kingdoms, vertebrates and invertebrate groups), insects vs. spiders, animal tracks and more
- \$4.00 **World Animals Unit** (60+ pages) Animals of the 7 Continents: Montessori 3-part cards and Activity Pages, best for ages 3-7 or so

- \$7.00 **BUNDLE OPTION: Animal Unit and World Animal Unit**
- \$4.00 **Amazon Rainforest Packet** (50 pages)
- \$4.00 **Life Cycles Packet** (50 pages) Explore the life cycles of the chicken, sea turtle, frog, mosquito, butterfly, dragonfly, bee, ladybug, mouse
- \$17.00 **NEW: Big Animal BUNDLE** – 1) Animal Unit, 2) World Animals Packet, 3) Rainforest Packet, 4) Life Cycles Packet, 5) Winter Packet
- \$6.50 **Biology Unit:** Biomes, habitats, ecosystem, biological interactions, feeding relationships (70 pages)
- \$4.75 **Scientific Classification and Taxonomy Packet** – [dichotomous key activity, Linnaeus & the history of classification, learn the Animalia phyla (annelids, platyhelminthes, nematodes, animalia, etc.)]
- \$17.00 **Biology BUNDLE of 3:** 1) Biology Unit (Biomes, habitats, food chains/webs, feeding relationships) 2) Scientific Classification & Taxonomy Packet 3) Ocean Unit & Layers of the Ocean/Ocean Zone Activities
- \$6.00 **Ocean Unit** (65 pages) **Does not include** the layers of the ocean/ocean zone packet.
- \$3.00 **Layers of the Ocean/Ocean Zone Activities** Does not include the 65-page Ocean Unit.
- \$8.00 **Bundle: Ocean Unit – Layers of the Ocean/Ocean Zone**
- \$4.00 **Dinosaur Unit** (for ages 3-7)
- \$4.00 **Winter Unit** – Earth's Axis/Seasons; The Arctic vs. Antarctica; Polar Animals and More (75+ pages)
- \$2.50 **Botany Packet** — Parts of a Flower, Parts of a Seed, Seed & Fruit Development
- Geography Packet:** Geographic Features, Landform Words & Topographic Map Activities (See the World Facts Packet below.)
- Coming Soon – 5 Senses Packet

If you are interested in purchasing our packets you can also visit [Our Store](#). 😊 Feel free to [contact me](#) if you have any questions! ~Liesl



Homeschool Den Free Science Resources

What is not included on the previous two pages? All of our free resources... and we have tons!!!

Be sure to browse through this page to find links to these: <http://homeschoolden.com/science-units/> or use the SEARCH button on the left-hand side bar.

Some of our the science resources we have on the blog that are **currently free** include...

- Solar System Packet
- Astronomy Notebook Pages
- Natural Disasters Unit
- Weather Unit
- Layers of the Atmosphere Notebook Pages
- Rocks and Minerals
- Nervous System Notebook Pages
- The 3 Types of Rocks
- Rock Cycle
- Chemistry Experiments for Kids (experiments I did with ED when she was in 2nd grade)
- Science Experiments (for ages 4-7)
- Ocean Unit freebies for PreK
- Free Egg-speriment Packet (all kinds of fun egg-experiments!)
- PreK Montessori Materials such as
 - Living – NonLiving Cards
 - Vertebrates vs. in vertebrate cards
 - Amphibian cards
 - Nocturnal Animals
 - Forest Animals
 - Bugs, Bugs, Bugs pages
 - The Mitten – Free Animal Printable Activities
- Fun Engineering Posts – with hands-on activities my kids loved!

More Engineering and STEM posts:

- [Engineering Activities for Kids](#)
- [7 Fun STEM Activities for Kids](#)
- [Free Engineering Curriculum for Kids grades 3 to 8](#) — This was actually from 2014, but it still gets so many hits, I'll share here anyway. 😊
- [Make your own Marble Maze; Make Your Own Flashlight](#)



Science Resources that are Currently Free Clickable Links:

- o [Solar System Packet](#)
- o [Natural Disasters Unit](#)
- o [Layers of the Atmosphere Notebook Pages](#)
- o [Rocks and Minerals](#)
- o [Nervous System Notebook Pages](#)
- o [The 3 Types of Rocks](#)
- o [Rock Cycle](#)
- o [Chemistry Experiments for Kids](#) (experiments I did with ED when she was in 2nd grade)
- o [Various Free Montessori 3-Part Cards](#)