

Purpose	Content	Lessons
<p><i>Here we take our Primary Learners on a tour. We know that rock, air and water (and the sun - temperature) basically determine everything on earth!</i></p> <p><i>We now would like these sensory kiddos to feel, touch and examine how these extraordinary things work!</i></p> <p><i>Bring us even closer to home with Chemistry we will begin our 3 Part Series on Human Chemistry.</i></p>	<p>Science/Chemistry</p>	<p style="text-align: center;"><u>The Story of Rock</u></p> <ol style="list-style-type: none"> 1. After the Introduction to Rock, do a Picture Tour (35 printed photographs around the room, each with a different rock formation in Spain, Austria and America). How did these rock formations happen? Learners can choose ONE of the following: <ul style="list-style-type: none"> – Use Discovery Cards to do an experiment. – What is IN rock? Examine a variety of rock samples under a microscope. – What are the three types of rock? Try to find them outside. – Which creatures make their home in ROCK? Why do they prefer rock? <p style="text-align: center;"><u>The Story of Air</u></p> <ol style="list-style-type: none"> 1. Present the experiments of Air: Air takes up space; cold air replaces hot air; hot air rises. These are Elementary experiments that Primary should love! 2. Present also: <ul style="list-style-type: none"> – Can Air Hold up Water – What is Wind – Does Air Weigh Anything Air Can Hold a Stick Down. 3. Ask Learners to come up with an experiment based on the Presentations above.

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		<p>Try them out!</p> <p>4. In Socratic, discuss a particular feature of Austria: the Alps. Ask them to combine their knowledge of Rock and Air to make assumptions about what happens in the Alps. Ask them to draw the ALPS!</p> <p>A. Ask Learners to choose one place in America, Spain or Austria that they like.</p> <p style="text-align: center;"><u>Human Chemistry Part I</u></p> <p>A. Each session we will be choosing TWO sections of a HUMAN to discover and fulfill all of our elements on our Classroom Chart.</p> <p>In small groups, identify SKIN. It will be helpful to have an anatomical model or chart displayed throughout the year.</p> <p>Ask questions like what is the function of our skin? What is our skin made up of? Similar to functions and parts in other areas of the curriculum, identify the parts of the SKIN and their function.</p> <p>There are 7 Parts of the Skin:</p> <ul style="list-style-type: none"> ● Stratum corneum. ● Stratum lucidum. ● Stratum granulosum. ● Stratum spinosum. ● Stratum basale. ● Dermis.

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		<ul style="list-style-type: none"> ● Hypodermis. <p>There are 7 Functions of the Skin:</p> <ul style="list-style-type: none"> ● Protection. Microorganism, dehydration, ultraviolet light, mechanical damage. ● Sensation. Sense pain, temperature, touch, deep pressure. ● Allows movement. Allows movement, muscles can flex & body can move. ● Endocrine. Vitamin D production by your skin. ● Excretion. ... ● Immunity. ... ● Regulate Temperature. <p>Here is a document to better explain the components of skin: https://refubium.fu-berlin.de/bitstream/handle/fub188/5740/02_kandarova03.pdf?sequence=3&isAllowed=y</p> <p>Working in the area of SKIN we can hone in on OUR SENSES</p> <p>The skin is our biggest sense - the sense of touch.</p> <p>Have available in the classroom:</p> <ul style="list-style-type: none"> ● Rough and smooth boards ● Textile boxes ● Mystery bags ● Baric tablets <p>Work on:</p> <ul style="list-style-type: none"> ● Sandpaper numbers

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		<ul style="list-style-type: none"> ● Sandpaper letters <p>We know MOVE ON to TEETH:</p> <ul style="list-style-type: none"> ● Self-care is an integral tenet of the Montessori practical life education. ● Teaching our Learners the importance of caring for their teeth and maintaining dental hygiene is one of the most valuable lessons we can gift them. ● Hopefully these knowledge and skills will go a long way in enabling them to keep their teeth in great condition and have a beautiful smile for life. <p>Have available on the shelf 3 part cards.</p> <ol style="list-style-type: none"> A. Functions of Teeth. B. Parts of Teeth. C. Names of Teeth. D. Create a presentation about Teeth. Ask similar questions about teeth. What are they made of? What do they do? Why do we have different sizes? E. Parts of the Tooth Include: <ul style="list-style-type: none"> ● Crown. Essentially the “top” of your tooth, the crown is what we see and what we use for chewing, talking, smiling, and more. ... ● Enamel. ... ● Dentin. ... ● Gumline. ... ● Pulp. ... ● Root.

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		<p>F. Functions of the Tooth Include:</p> <ul style="list-style-type: none"> • The primary function of teeth is mastication, which involves the cutting, mixing, and grinding food to allow the tongue and oropharynx to shape it into a bolus that can be swallowed. <p>Here is a good article to provide additional information when presenting: https://www.ncbi.nlm.nih.gov/books/NBK538475/</p>