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Kinds of clouds worksheets for grade 2

To continue to enjoy our site, please confirm your identity as a human being. Thank you very much for your cooperation. The silver lining to these cloud-related resources is knowledge. Printable information excerpts, scientific arts and poems, as well as STEM activities, scientific projects, worksheets and mini-books teach about different types of clouds and weather-related topics. There are many different types of clouds lingering in the sky above and knowing more about them can help predict what kind of weather is on the way. These cloud sheets and this post should help you start teaching your kids about different types of clouds. Types of clouds are classified by their shape and height in the sky. They are made of small droplets of water or ice particles that float in the sky at different altitudes. When the sun heats these water and ice particles, they turn into an invisible gas called steam, also known as evaporation. Temperatures cool down at higher altitudes, as does water vapor as it rises. Eventually it becomes cool enough to become water again and creates a cloud. Clouds are warmer than the air around them, so they are able to float because the warm air is lighter than the cool air. Clouds are warmer because when water steam cools and turns back into water droplets, it releases a small amount of heat. The main types of clouds live in the lowest part of the atmosphere, closest to earth. This area is called the troposfer. The stratosphere is located in the middle, just above the troposfer. After the stratosphere comes the mesosphere, the thermosphere, and finally the exosphere as you go further into the sky. Different types of clouds seem to be different shapes, and even colors, from each other. You can read this funny book in the cloud for your kids. There are ten different types of clouds in the sky, here's what you need to know about them. FREE TYPES OF CLOUD WORKSHEETS Types of Clouds - Use with different types of cloud Cumulus Sheets These are cotton balls you see on bright, usually sunny, days. They have rounded, puffy tops with flat, sometimes dark trousers and are bright white when illuminated by the sun. They usually indicate good weather, but be careful they can quickly turn into a storm under the right conditions. StratusTe clouds usually sit low in the sky, hiding clouds above them. They are flat and gray, sometimes bringing a small drizzle. Fog is simply a stratus cloud that has come down to ground level. When you go through the fog, you're in a stratus cloud. Stratocumulus Stratocumulus is a kind of combination of cumulus clouds and stratus clouds. When stratus clouds disintegrate, cumulus clouds begin to form. And when cumulus clouds cling to each other, they become stratus clouds. The time between the rise of cumulus or stratus cloud is called stratocumulus cloud. These clouds are low, puffy and gray or white and will have patches of blue sky among themselves. From the bottom they look a bit like a honeycomb. Most often they occur on cloudy, cloudy days. Altostratus Altostratus clouds lie in the middle of low water-based clouds and higher ice-based clouds. These clouds are usually lighter and thinner than stratus clouds and if you look at them carefully, you may be able to see the sun's rays shining through them. These clouds tend to turn the sky in gray or blue-gray color and look more like a sheet covering the sky instead of a swath-style cloud. They tend to form just before a warm or cold front. Cirrus These clouds are the highest in the sky and made entirely of ice. There are wispy in the sky, just like their name indicates, which is latin for hair curl. They are thin and white and usually streaks in the sky. Cirrus clouds live above 20,000 feet (or about 6,100 miles) above the ground. These are usually clouds with good weather, but they can also form just before a warm front or a large ice storm. Seeing them in the sky can mean that a big storm is coming. Cirrocumulus Cirrocumulus clouds are cumulus clouds at the cirrus cloud level. They often look like fish scales and stack up in rows. Like cirrus clouds, they are also made of ice crystals. These clouds are rare and don't stick around long. You will find them only in winter weather, when it is cold, but bright. Cirrostratus These clouds cover the sky in thin layers of wispa, but unlike their medium and low-level counterparts, they can create beautiful optical effects and often stand out with halos in the sky. The sun shines through their thin layers, almost transparent, layers. These clouds will let you know that there is a lot of moisture in the upper atmosphere and they usually come with a warm front. Nimbostratus Nimbostratus clouds are appropriately named as Nimbus is latin for rain cloud. These clouds bring prolonged rainfall or snowstorms, which are light to moderate in intensity. These are low and medium thick clouds that cover the sun's rays. They cover the sky with a dark gray sheet. If there is rain or snow in the forecast, you will see these clouds, often looking like one giant cloud covering the sky. Cumulonimbus These are the most intense clouds in the sky and appear when heavy rain or hail is expected. Cumulonimbus clouds are the only ones that can produce thunder and lightning, making them easy to recognize. These clouds grow large and high across all layers of the sky. They may look puffy at the bottom, but they grow tall and may look more like cauliflower at the top. The bottom of these clouds is almost always dark. Fun Cloud Crafts to check out different types video knowing different different clouds, when you see them and how they form, can help you determine what weather is coming. But watch out, clouds change and move quickly based on many factors, so don't be surprised if a storm appears on a sunny day. I hope you and your child like to learn about clouds with different types of cloud sheets. Now it's time to go out and go on a cloud hunt! Clouds are an important part of Earth science and space science! In this beautiful sheet, second-graders will read about how stratus clouds differ from cirrus clouds, and everything in between. They will then tag images of different types of clouds when they show off their scientific knowledge. SeeCommon Core State StandardsTexas Essential Knowledge and Skills (TEKS)Virginia Standards of Learning (SOL)BC Performance StandardsAlbert's Program of StudiesThe Australian Curriculum (ACARA)The Victorian Curriculum (F-10) Clouds can be hard to learn and I really hope that these types of cloud sheets will be helpful. I've done quite a few varieties so you can use them with children of different ages and curricula. Now the best way to learn about clouds is outside, looking at them (print sheets with cloud names) and naming them (as well as spotting animals that resemble them). Weather forecast for today? Cloudy! © * this post contains affiliate links * 3 main types of cloud sheets I went through a lot of literature to determine if there are 3 or 4 main types of clouds (we were taught 3) and well more books claim to be 3, but there are those that claim to be 4. So we have cumulus, cirrus and stratus. 4. of them would be nimbus (rain clouds), but technically there are no nimbus clouds - we have cumulonimbus and nimbostratus. I made two worksheets - on one of them there are 3 pictures of clouds with their names and there is a place for children to write notes (notes can be when they saw the cloud, the features of clouds...). Another sheet has 3 photos and children need to save cloud names. 10 kinds of cloud sheets Yes there are many... There is even more if you want to add fog and artificial aircraft clouds (contrails). Truth be told some of them are really hard to distinguish (or it might just be me) in nature and it's a way easier to call them on paper, so it's OK if kids can't call all the clouds correctly in the sky (well, unless they study clouds) and weather. Now that I've learned cloud names, I've used a few tricks to help me remember them, and I'll share them in the hope that they will help someone else too. Cumulus Fluffy ones, the most cloud-like cloud. Alto-cumulus Cumulus, which has gotten a certain height thus alto-cumulus. Cumulonimbus High Tower. All has rain. Stratus Cloud as long as on the street. Nimbo-stratus Rainy stratus. Alto-stratus Stratus, which is supposed to gain a certain height is alto-stratus. Strato-cumulus Fluffy cumulus long as on the street. Cirrus They are stretchy as your face will be if you want to eat lemons (citrus). Cirrocumulus Fluffy small cumulus clouds - the formation resembles citrus peel. Download the 3 main types of cloud sheets here. Download 10 kinds of cloud sheets here. Here.