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### Science Philosophy

One thing that I personally believe is that students working on Science and many other subjects should learn by doing. They can be taught the material and then use the knowledge to do different activities within the classroom. For Science this would include the teacher giving the students some background knowledge and then having the students use this knowledge in the classroom. This could include doing different experiments, teaching the class on a topic, working on a worksheet within the classroom and many other activities could go along with this. I feel that this would get the students up and moving which in the end will help them to gain more knowledge on the topic.

Science can be a difficult subject for some students to understand because there are terms that will not be familiar to them. In this case I feel that the new words need to be discussed or even just reviewed everyday until the test so that they are locked into the students brains. The teacher needs to be open to letting the students ask questions when needed because in some cases the students will not understand what is going on. The classroom needs to be set up in way that is easy to move around in because of the labs or different activities that come along with teaching this subject. If the classroom is too crowded it can get frustrating for both the students and the teacher. I also always enjoyed having different posters on the board because in some cases these helped me on assignments. One example would be the periodic table which was used a lot in Chemistry. This is obviously not used as much at the elementary level but could still be shown

because students do need to learn this topic. It could also help when talking about oxygen or water for instance.

In science you are able to mix and teach many different topics that can relate in some way. You can use examples from certain areas in a new topic to use the student's background knowledge to build on the new topics. I personally like when I know one area that is then used within a new area because then I feel that I already know some of the material. Then during this you are just building their knowledge up and expanding what they know.

Overall science can be an extremely fun subject if you are doing it in a way that enhances the student's knowledge and is able to help them in a positive way. It can also be challenging to students and can be a place where they get frustrated in cases like this you need to keep the students motivated. In the end if they are able to succeed they will remember the material for quite some time.