TIPS IN CONSTRUCTING IMPROVISED SCIENCE MATERIAL

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One of the problems Science teachers are facing is the lack of the needed materials and equipment in teaching the different concepts in science. Because of this, the resourcefulness and dexterity of the teachers are needed to effectively impart the needed skills to the learners.

As a Science teacher, you should also be a good improvisator. It will yield a lot of disadvantages not only on the part of the pupils but as well on the part of the teachers. Here are some good points of a good Science improvised material.

1. The model should develop the 21st century skills of the learners. This includes critical thinking and sound reasoning as they perform the different activities along with it.

2. It is replicable and not costly. It should have low production cost so that it will be capable of reproduction.

3. It is product of reuse, reduce and recycle. A good improvised material is made up of discarded materials which are commonly found in your locality. One of the concepts we need to teach our learners is the practice of the 3 R’s. Your improvised material could be a good application of it.

4. The improvised material should be lightweight and handy. As much as possible, the material could be brought and be transferred from one place to another easily. By doing so, activities will not be limited inside the classroom only but can be used outside on outdoor activities.
5. It should be manipulative. It should be manipulated easily. This will add up to the curiosity level of the learners.

6. As much as possible, it should not require electricity to operate. With or without power interruption, it could be used readily. If it needs electricity to operate, make sure it could also be run by batteries in case of power loss.

It just takes a lot of patience, industry and creativeness to hurdle the lack of available science materials and equipment that hinders Science teaching. Every Science teacher could surely be a good improvisator.

Reference: