

### **Theory of Knowledge (TOK)**

The statement, “present knowledge is wholly dependent on past knowledge,” might be accurate or not depending on the angle of examination. In this case, the accuracy of the statement emerges from the understanding that past information gives clues about many aspects of present details. The converse of the statement also holds. However, establishing a clear viewpoint of the statement requires the development of a distinction between past and present. Although this might present significant dilemmas, the ideal way to establish this is to conduct a research, focusing on the knowledge gaps that present the understanding of the information. The analysis of the statement will dwell on two significant areas of knowledge, which include chemistry and biodiversity.

In the field of natural sciences, present ideas are built up from the past details available on the subject. For instance, the chemistry that scholars learn and research today emerged from alchemy, which recognizes the concept of turning metal into gold by human beings (Webb, 2015). This follows that without alchemy, it is unlikely that chemistry would have come into the limelight. The development of chemistry into an independent area of knowledge gives credit to alchemy. One scholar that contributed to the development of alchemy into chemistry includes Boyle. His contribution was through the giving insights into the process of changing the alchemy during the time into chemistry, while developing an experimental method in physics. He considered the two fields as deserving some attention in equal measure, hence borrowing from physics to build up the chemistry discipline. The experimental method in physics gained significance in chemistry, proving the statement from this noble dimension.

Biodiversity, as another area of knowledge, depends on past information to bring insights into the current developments. For instance, in the conservation of biodiversity, data

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**Mr. Slosberg**



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