

though even these things can never be delineated with truth or vigour, without a knowledge of those principles of art which regulate the distribution of light and shade. Lastly, the geologist should be acquainted with military drawing; since, to this will he often be as much indebted as his readers, while thus also he will be able to construct the most essential parts of his own maps, or to correct the deficiencies of those on which he must depend.

Finally, let the student recollect, that he must bring to a task of no small difficulty, acuteness, patience, caution, and industry; and, that acquainted with all theories, it must be as their master, not as their slave. Thus only will he be enabled to profit, alike, by their excellencies and their defects, by the truths and the errors that are found in all. Where he ought not to follow, he will know why he should dissent: but if, in detecting a false generalization, he removes one of the greatest impediments to the progress of science, let him, in generalizing his own observations, be guided by a feeling more severe to himself than to others. Nor let him forget, that the pleasure or pride which he may feel in supporting a system or a sect, can, ultimately, but terminate in neglect or disgrace. In Science, as in Morals, equally, there is one guide, and one rule: to the wise and the good, there is a common pursuit: one word comprises all; and let the last word that falls from this pen, be, **TRUTH.**

FINIS.