

should take this outline and write out a list of examples or exercises under each head, suitable for the use of his pupils. No text-book in the hands of the pupils is needed for this work, if the teacher is properly qualified himself; but each teacher will find it of advantage to write out a little text-book for his own use in giving instruction in language lessons. To aid the teacher in preparing these lessons, we recommend the following works:—Hadley's *Lessons on Language*, Lloyd's *Literature for Little Folks*, Bigsby's *Elements of the English Language*, and Swinton's *Language Lessons*.

In following this outline, the teacher should make the exercises very full and complete. Do not be afraid of having too much under each head, for we are most liable to err by not giving practice enough. Let the motto be "Make haste slowly." Give variety to the lessons, and pupils may be kept for a long time on each exercise suggested. Keep up a constant review by introducing parts of previous exercises into each subsequent exercise.

(To be continued.)

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## THE ENGLISH AND FRENCH WEIGHTS AND MEASURES.

In the study of science, exact measurement is of primary importance. Frequent mention is made in Science Lessons of the English and French weights and measures, and this paper will be devoted to the consideration of them.

In the earliest times, the measures of length were taken from the parts of the body, and suggest the rough and ready methods used. The name foot, hand, nail, cubit have survived, and show that anything like a uniform system of measures was unknown. The use of one standard weight and one standard measure was demanded in the Magna Charta, a demand that, despite the numerous laws and enactments, is yet unfulfilled. The only legal definition of a standard measure, up to the year 1824, was that recited in some of the oldest statutes: that three barley corns, from the middle of the ear, placed end to end round and dry, make one inch.

The Royal Society, in 1742, examined the measures, and found, as might have been expected, considerable diversity between them. From a comparison of the best in use, they caused a yard length