from the stan point of the pupils, and as indiented above, according to the laws of his development.

- 2. Dwell especially on the elements.
- 3. In the establishing of derived principles, refer frequently to the fundamental ideas, and deduce the former from the latter.
- 4. Divide each step into definite and little wholes.
- 5. Point out at each step some part of the following, in order that the curiosity of the pupil may be excited without being satisfied; proceed so that no essential interruption shall arise.
- 6. Divide and arrange the subject matter, so that where it is practicable in each succeeding step of the new the foregoing may appear.
- 7. Connect those subjects which are especialy related.
- 8. Go from the thing to the sign, and not the reverse.
- 9. Be guided in your selection of a method by the nature of the subject.
- 10. Arrange the subject taught according to a special scheme but consider constantly all side of it.

Third.—WITH REGARD TO THE OUTSIDE GIRGUM-STANCES OF THE TIME, PLACE, ORDER, ETC.

- 1. Follow up subjects with your pupil successively, rather than together.
- Take into consideration the probable future position in the life of your pupil.
  - 3. Teach with reference to general culture.

Fourth .-- WITH REGARD TO THE TEAGHER.

- 1. Strive to make your teaching attractive and interesting.
  - 2. Teach with energy.
- 3. Make the subject to be learned palatable the pupils; and require, above all, a good utterance, sharp accent, clear statement, and thoughtful arrangement.
  - 4. Do not stand still.
- 5. Rejoice in development for progress; first for yourself; second, for your pupils.

## Notes.

Successful experiments have been made a Coblents, in Germany, into the practice of substituting ravens for carrier pigeons. Ravend being stronger and bolder birds than pigeom are less liable to be attacked and destroyed blirds of proy.

Gas-making by the various corporations in the Birmingham district (England) appears to be a very profitable business. Tipton, which up a the last nine menths has been lesing money, at made a profit of \$12,000; Walsall made a profit of \$12,000; Walsall made a profit of \$12,000; Walsall made a profit of \$16,000 hast year; West Bromwich of \$34,00 and Limebank of \$16,000.

Now pests are appearing to consume out apples. The apple magget (Trypeta Personalist leaving the outside of the apple fair to look upon honoycombs its interior until nothing is left.

M. E. Payrusson has called attention to the danger following the use of delf-ware in cases infectious disease. It is liable to be marred by cracks and flaws in which germs may last Only glass or percelain should be trusted.

## School Yotes.

—Dr. Rush, according to the Sanitarian, used to this students that no physician should be permitted ongage in practice unless he had served six months; the kitchen, so important did he consider a knowled; of the art of cooking. This prompts us to say that teacher should be permitted to engage in practice unless has served at least twice six months in a norm class, so important do we consider a knowledge of the art of teaching.

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— Given a room, a teacher, and fifty pupils; but is not necessarily a school. All the conditions at there but one, and that is co-operation. The Indian School Journal puts it thus: "If the teacher tries or so hard to teach, and does not secure the co-operation of the pupil in trying to learn, there is no real school. There may be methods, perfect in theory; order the hears the clock tick and the pin drop; examination that answer perfectly every question; and yet there no school unless between teacher and taught there a mutual play of love, sympathy, and goed willing Who of us, if weighed in the balance, would be four teaching, not a school, but an aggregation of lift ones?