

KESTEVEN TRAINING COLLEGE

For both Junior and Secondary

A line of electric miniature railway in the common form of a running track (parallel sides with semi-circular ends) is laid out on a large oblong table, and properly wired through a speed control to a power supply. An engine, a truck, a set of small weights, a tape measure, and a stop watch are all available.

Suggest three investigations which a pupil could usefully carry out, and give some indication of how the investigation will develop, suggesting the sort of measurements and calculations which will be involved.

Say what age and calibre of pupil each investigation is intended for.

---

All three examples should be attempted and attention shared fairly between them; each should be developed as fully as time allows; careful use of English and a stylish presentation of work will be given very considerable credit.