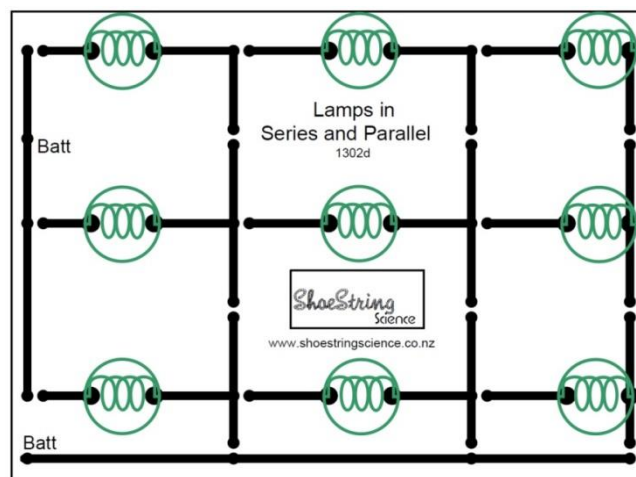


ShoeString Science Introduces...

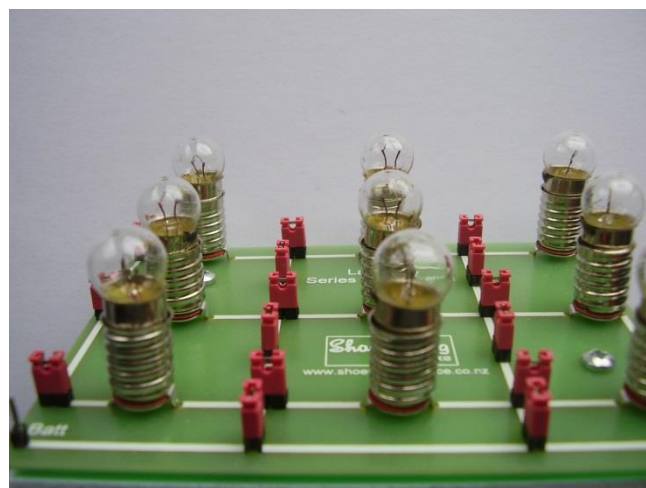
1302 Lamps in Series and Parallel



... the new bright spot in the ShoeString Science range.

Features

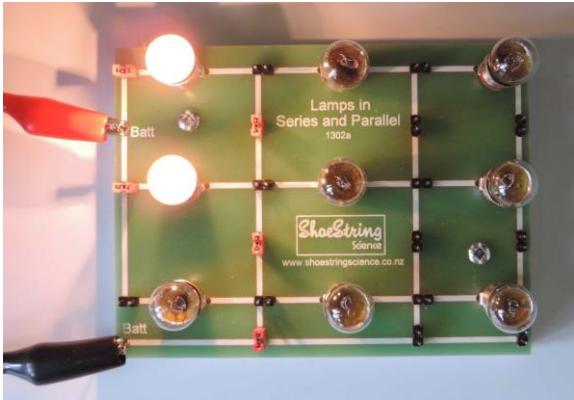
- supplied with 12V 3W lamps for use with lab power packs
- show lamps in series (three practical, seven possible)
- show lamps in parallel (three max)
- many different series / parallel combinations possible
- use jumpers (shunts) to connect or disconnect circuit pathways in seconds
- easy for technicians to check and test
- save technician hours (and stress) assembling and checking hundreds of crocodile clip leads (one red shunt does the same job)
- robust, and replacement bulbs readily available
- board size approx. 100mm x 75mm – easy storage, easy handling by students.



This board is designed to allow students to connect combinations of lamps together quickly and easily. They can quickly trace a desired circuit onto a blank proforma (Word/PDF supplied), mark in the jumpers needed, and then construct the circuit in a few minutes.

Sample Photographs

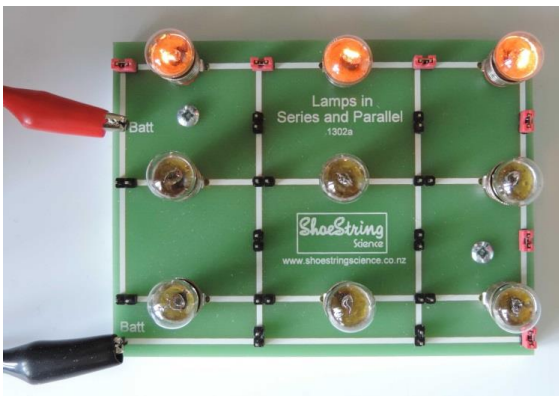
Note that the relative brightness between photographs may have been affected by the automatic exposure controls of the camera.



Two lamps in parallel



Two Lamps in series



Three lamps in series



One lamp in series with two in parallel

Test mode

(Remove two left hand bottom jumpers as in photograph. All lamps should light to equal brightness. If they do, the board is good to go.)

