**Lesson 2 – Results and Analysis**

Refer to guidance sheet and PowerPoint notes for more information on each activity.

Slide numbers refer to the PowerPoint.

Timings are approximate – don’t worry about spending longer on the results / graphs / conclusions section but ensure that enough time is left to clear up.

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| **Outline and timings** | **Activities** |
| Introduction (5 mins) | Greet students and remind them of last week’s experiment.  Information about what they will be doing today – looking at their results and plotting graphs (see slides 1 – 3) |
| Results / graphs / conclusions (25 mins) | Predict results then hand out trays.  Slides 4 to 9 – pupils count number of seeds which have not germinated for each concentration, calculate percentages and draw a line graph to find LD-50 value (see slides 4 – 9)  Use slides 10 – 14 to discuss toxicity and use of LD-50 tests; LAOEL (optional)  Discuss questions 1 – 4 with individual groups (if time) and write answers on worksheet.  Slides 15 to 18 – pupils measure length of roots and shoots and plot second graph. |
| Additional activities (20 mins) | Plant and animal cell activities (slides 19 - 25).  Pupils complete survey sheets. |
| Finishing off (10 mins) | Tidy away trays and dispose of clingfilm (if used) and filter papers.  Thank students for their work. |