**Lesson 2 – Results and Analysis**

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

Timings are approximate – don’t worry about spending longer on the initial activities but keep an eye on the clock. Make sure that the students have around 15 - 20 minutes to count the particles on their traps. You should leave around 10 - 15 minutes at the end of the lesson to tidy equipment away and show the quiz / animation.

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| **Outline and timings** | **Activities** |
| Introductions (5 mins) | Greet students; recap on what they did last time and give a brief outline of today’s session. |
| Microscopes  (20 mins) | Discuss the use of microscopes and the history of their use and development.  Students practise using hand-held microscopes to view grasshopper slides. |
| Results (15 - 20 mins) | Students collect their traps and use microscopes to count the number of particles in each square. |
| Conclusions (10 mins) | Students calculate mean number of particles and feedback results to find which areas of the school had the largest and smallest number of particles.  Quiz / animation / Airly pollution map |
| Finishing off (5 mins) | Thank students for their work and discuss what they will be doing in next week’s lesson. |