

DATALOGGING

Desirable Features (Draft)

- If pupils are working in the area of datalogging these are some of the characteristics they may demonstrate

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| Level 1: Typically pupils may... |
| <ul style="list-style-type: none">• Use a datalogger to take readings of a variable such as temperature and record the readings in another medium (Express) |
| Level 2: Typically pupils may... |
| <ul style="list-style-type: none">• Use a datalogger to take readings from a range of different variables (temperature, ph etc) and record readings in another medium (Express) |
| Level 3: Typically pupils may... |
| <ul style="list-style-type: none">• Use a datalogger to record data remotely over a given period of time at set intervals (Express) |
| Level 4: Typically pupils may... |
| <ul style="list-style-type: none">• Upload data stored on a datalogger to a computer using appropriate software (Express)• Present data in a graphical form (Express) |
| Level 5: Typically pupils may... |
| <ul style="list-style-type: none">• Upload data stored on a datalogger to a computer using the appropriate software (Express)• Present data in graphical form (Express)• Present the data in table form (Express) |
| Level 6: Typically pupils may... |
| <ul style="list-style-type: none">• Upload data stored on a datalogger to a computer using the appropriate software (Express)• Present data in a graphical form (Express)• Present the data in table form (Express)• Use software tools to carry out an analysis of the data (Express) |
| Level 7: Typically pupils may... |
| <ul style="list-style-type: none">• Record the data remotely using at least two sensors (Express)• Upload the data to a computer (Express)• Analyse the data using the available software tools (Express)• Transfer the data to different software packages (Express)• Manipulate the data to generate further graphical information (Express) |