Numeracy - Peatland Restoration

Pupils are provided with the costs of a restoration project and will use their maths skills to calculate the total cost and answer a series of questions.

Timings	Activity	Notes	Resources
10 mins	Establishing Previous Knowledge • Do the pupils know their times tables? • Have they worked out long multiplication before? • Show them how to work out long multiplications with the use of the column method.	This is to get an idea of the level the pupils are at and if they are capable of doing long multiplications	
10mins	Introduction to the topic • Play video to remind class about peatlands. • Explain why we need to do peatland restoration and what it is • Explain the techniques – what is a gully? • Introduce the activity (calculating the cost of a restoration project and using math skills to answer a series of questions)		See Peatland Restoration Presentation [includes video]

5mins	**Further Discussion** • Could read through the first part of the worksheet with the pupils to fully explain task • Show pupils the working out of the first answer given (i.e. why it is £5 x 20 and how to calculate this)		
50mins	**Main activity** • Pupils to work through the worksheet provided. First task is to fill in the final column of both tables. • Check pupils result in the tables before moving on to the associated questions.	If it is the pupils first time on long multiplications, it would be good to work out the first few rows of the table together as a class. If some pupils can answer the more difficult questions they can show their working out to the rest of the class.	The worksheet provided for the class.
10mins	**Plenary** • Pupils to complete self-assessment criteria		