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## Expanded Noun Phrase

### Computing Science Concepts

-Sequence

### Computational Thinking

-Algorithm

### Organisation

-Pairs working together on one laptop or PC works well

**Program Aim** Think through the sentence algorithm using the printable code blocks before converting that into code

### Where in KS1

-This works well as a follow up activity after literacy lessons that use two adjectives to describe a noun. The **brown, tired** cow chewed grass.

### National Curriculum Programs of Study KS1

#### Pupils should be taught to:

- understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions
- create and debug simple programs
- use logical reasoning to predict the behaviour of simple programs

### Resources Needed

Before the lesson print out and cut up the algorithm cards for each animal. Store these in envelopes so they can be used again.

Scratch 1.4 available as a download from [https://scratch.mit.edu/scratch\\_1.4/](https://scratch.mit.edu/scratch_1.4/)

Download the **describe\_an\_animal** template Scratch file and place it where it can be opened by your pupils.

1, Revise the sentence structure that you use when describing nouns with two adjectives

2, Demonstrate how the programming can say the sentence using the camel example

3, Show children the chicken examples and get them to order the sentence using the chicken blocks

4, Once children have the chicken blocks ordered they can turn it into a chicken sentence program

5, Children then repeat the process using the other animals, ordering the sentences using the algorithm blocks before converting into code

Learning Path

**Notes (1)** It helps to revise the place of the comma between the two adjectives. Writing out a sentence and drawing blocks around each element to emphasise their order.

**(3)** Ordering the algorithm blocks before coding helps you to assess who has understood the task and who might need extra support with the literacy element.

**Extension**— If pupils finish early then they can create their own sentences within one say block

**Saving** — Once pupils have downloaded the describe\_an\_animal template they need to be instructed to **File, save as, My Projects, OK** which saves their work in their own home areas