



Spelling Rule Algorithm

Singular to Plural

Module Aim

An activity to reinforce spelling rules using computing science concepts. This could be used as a homework activity or as an alternative strategy within a literacy lesson. Pupils convert a spelling rule into a flowchart algorithm or use a flowchart algorithm to work out which spelling to use.

**Time to complete
each activity**
10-15 minutes

Computer Science Concepts

An algorithm is a step by step list of instructions or rules to accomplish something
Rules are easy things to convert into algorithms
Conditional Selection in a flow chart algorithm is represented as a decision diamond

Converting Algorithm to Code

All of these algorithms can be converted into code using a programming language, such as Python, that works well with string manipulation.
For primary pupils these are best left as algorithms.

Variety

Some rules have more than one activities so you may match them to pupils abilities or your time needs.

Page 2

Pupils have to part complete the flowchart before testing it with words to convert from singular to plural.

Page 3

Pupils only need to use the flowchart to test the words.

Page 4

Answer Sheet

Literacy Aims

Further pupils understanding of the spelling rules

National Curriculum Programs of Study

Pupils should be taught to:

- design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
- use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- **use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs**

Singular to plural



Junior

computer



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science

Rules

Most plurals are made by adding 's'

Except

- Words with a hissing ending (s, x, z, sh, ch, ss) add 'es'
- Words End with 'f' change 'f' to 'v' then add es
- Words ending with consonant then 'o' add 'es' apart from piano, solo & Eskimo

Information

Consonant -letter not a,e,i,o,u

1, Complete the flowchart Algorithm

HINT You will need to read the rules to help you

2, Test your algorithm with these words. Write the plural version at the bottom of the flowchart.

church

frog

hill

fox

solo

loaf

shelf

potato

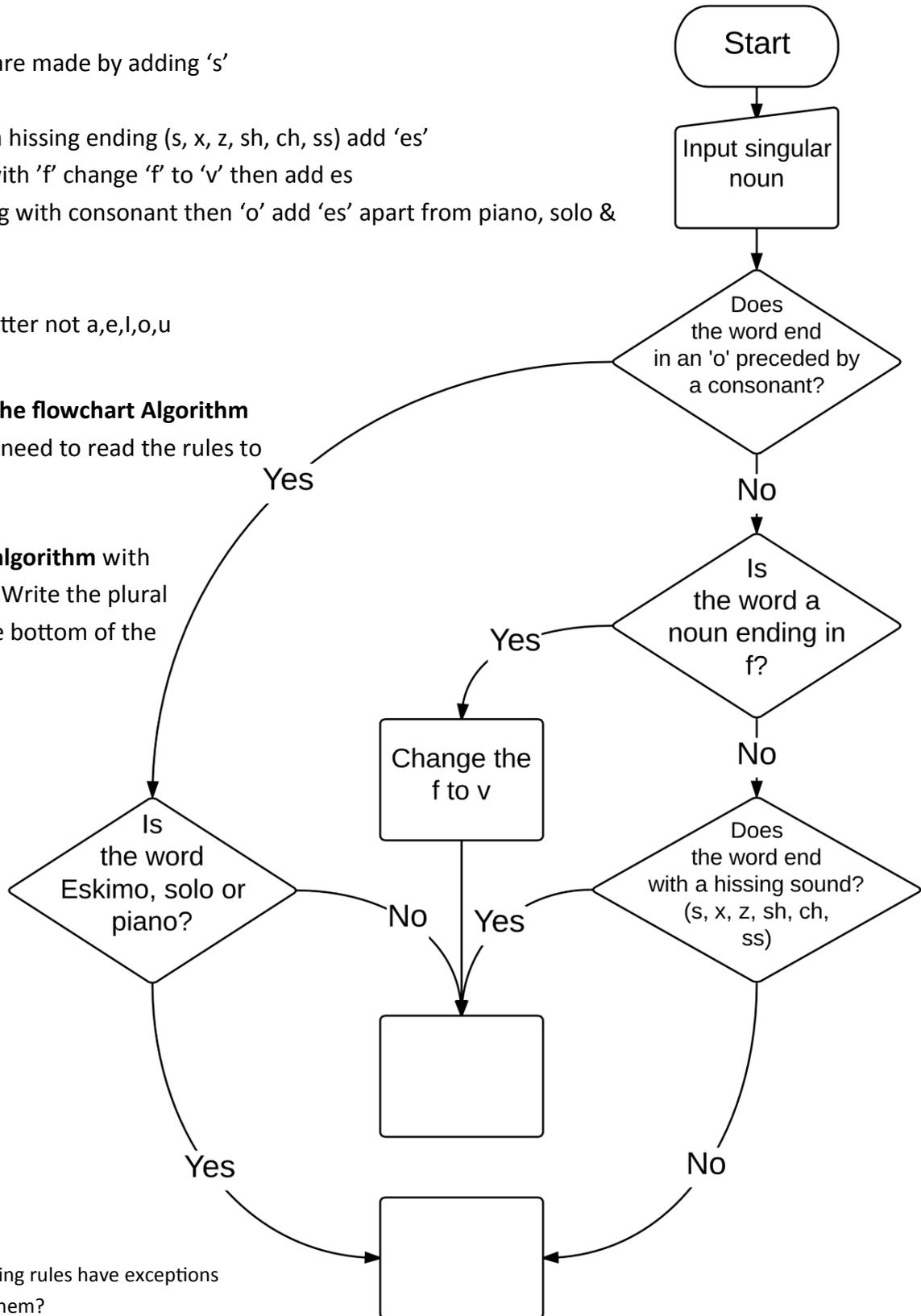
volcano

piano

box

fish

NOTE All spelling rules have exceptions can you find them?



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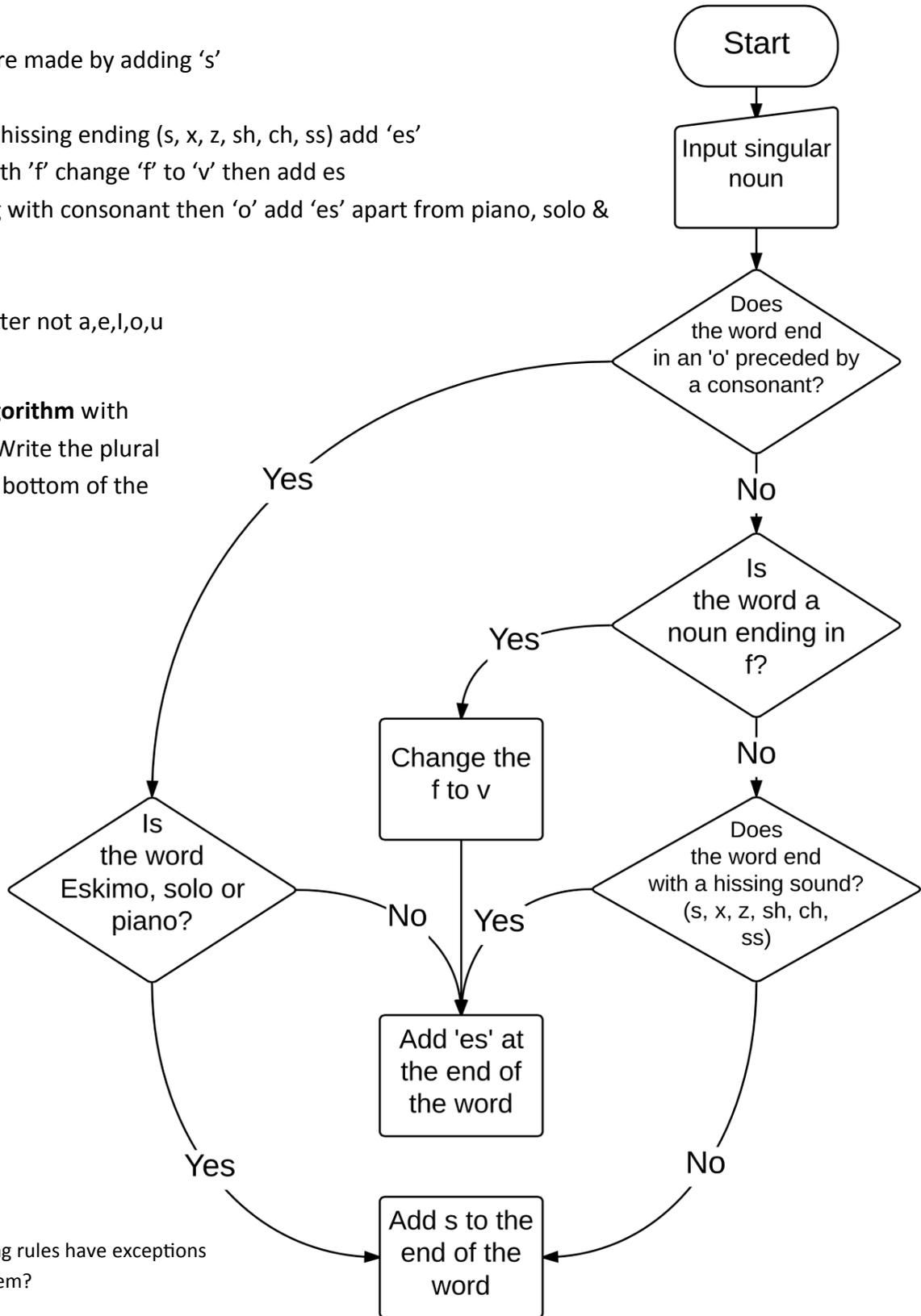
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- frog
- hill
- fox
- solo
- loaf
- shelf
- potato
- volcano
- piano
- box
- fish



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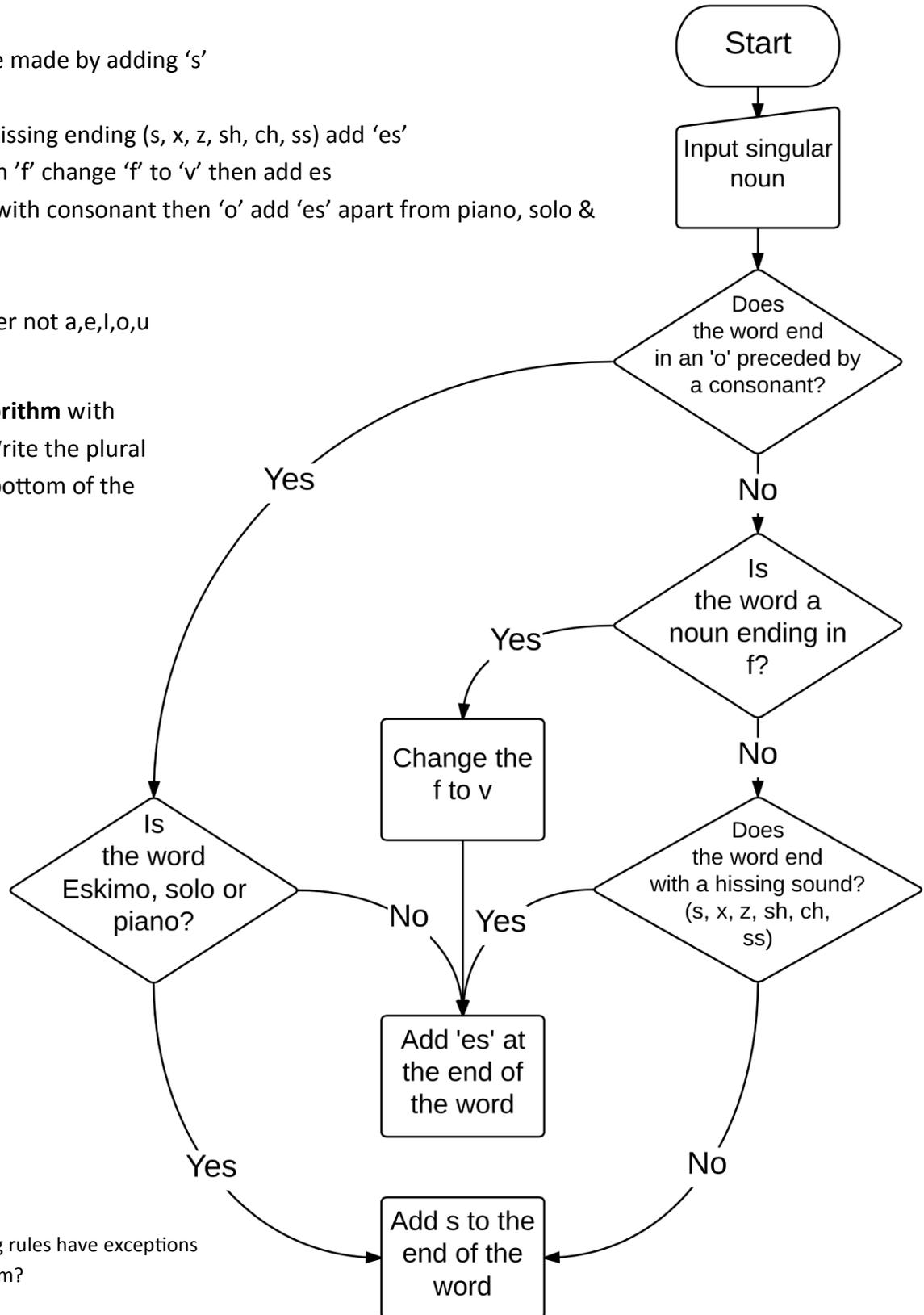
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churches	frogs	hills	foxes	solos	shelves
potatoes	volcanos	pianos	boxes	fishes	loaves