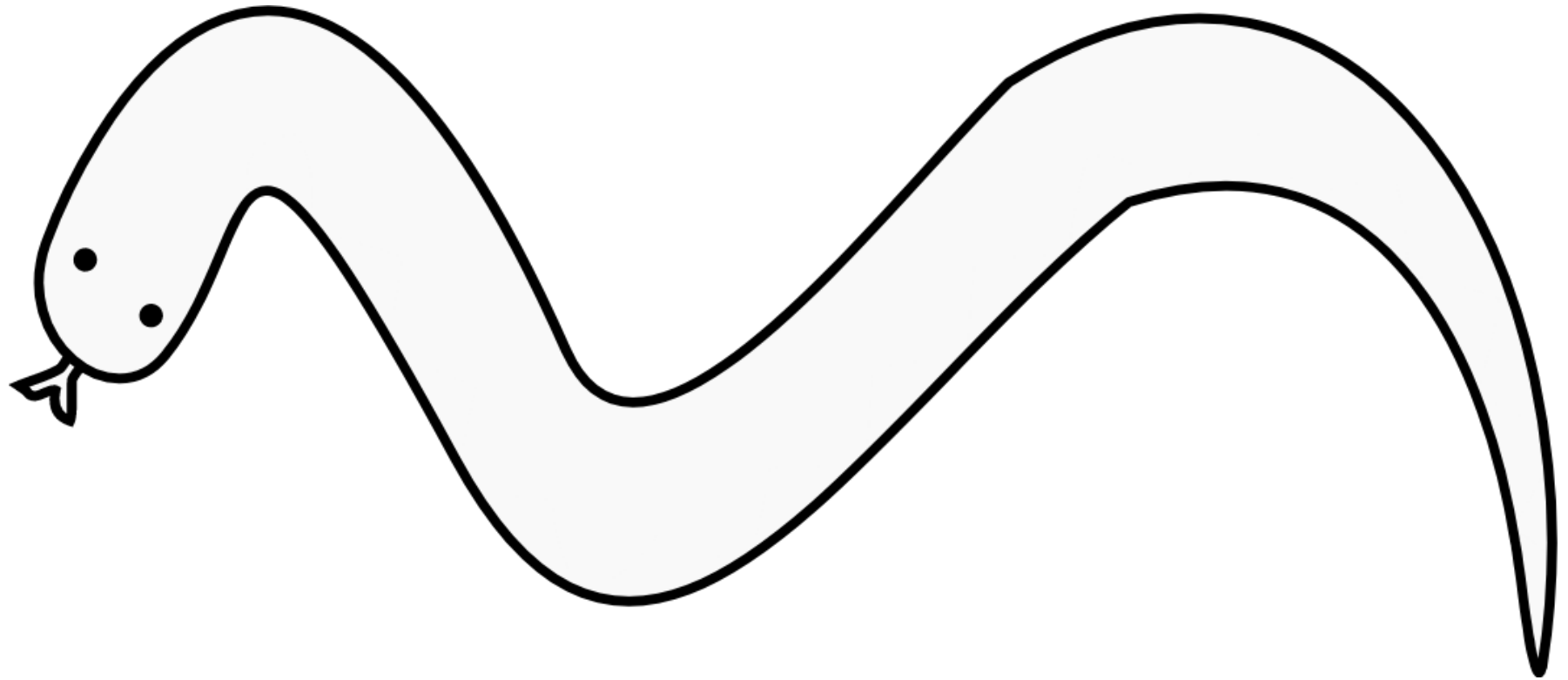




Which Snake?



Lesson name: Which Snake?

Topic: Computational thinking (CT)
Deconstructing, then reconstructing a sequence.

Written by: Simon Garrad / PACT

What level?

Primary school: Jr. Inf – 1st class

Where ties to curriculum?

Problem solving, Communication,
teamworking skills
Art (design your own snake)

Learning objectives / intentions

CT - Evaluation: is the solution correct/other possible solutions,

CT - Abstraction: figuring out what is important and what can be ignored.

Resources needed

"Which Snake" printout for each student,
scissors, pencils or markers

Prior knowledge required

Do the task "Which Snake". Ordinal numbers would be beneficial.

Activity

Each pupil gets a "Which Snake" printout. Instruct pupils to colour in the image of a snake before cutting it out. Once completed, students can cut out their snake and write their name on the back.

Put the students in groups of 5 or 6. Gather up all the cut-out snakes for that group and shuffle the order. Place the pile on a desk or floor so the whole group can see and loosely spread them so they still overlap but are easily visible.

Students can ask questions such as "whose snake is first/bottom of the pile? Which snake is third?"

Encourage pupils to discuss during the activity: "Is bottom of the pile the same as first in the pile?" "How can I say that for the top of the pile?"

Differentiation

Early finishers can combine two groups to make an even bigger pile to practice ordinal numbers and also increase the challenge. If they prefer, they can spend more time decorating their snakes.

Learning outcomes / assessment / success criteria

Pupils learn: learn places in a stack, queue or pile, and explaining the position verbally by using ordinal numbers as well as "bottom of the pile/first on the pile, top of the pile/last on the pile".

Reflection and feedback

Discuss with the class: e.g. what was easy and what was difficult about this activity, how was it to work in groups, where have they used ordinal numbers in real life, where do they see piles of things? Have they seen a real snake?

