Year 5 Upper KS2 Life Cycles 2022

from Y5 programme of study:

Pupils will

- Study the life cycles of 2 insects (dragonflies and butterflies) and a bird (mallard)
- describe the process of reproduction in some plants
- use classification keys (ponds) and record data
- use life cycle diagrams (insects)
- draw and label (plants)
- observe, ask and answer questions (throughout but particularly birds)

Organisation

After brief introduction divide into 2 groups of 11 ish (may be better to have even no. to work in pairs?)

There will be sheets to complete for each section to be organised by school with clipboards and pencils etc.
IMG will provide equipment, keys and identification charts etc.

Timings are only a guide as we have only done this once before and it rained!
I suggest one group starts with **Plants** and then **Butterflies.**
The other group starts **Birds** and then **Pond Insects**.

Change over after about 50 minutes and a short break for drink etc.

Plants **picnic tables and possibly field2** **35 mins**

draw and label parts of a flower – **Buttercup**
pollination and seed dispersal of this plant and others with some examples look eg dandelion, ash keys.....
How else do plants reproduce? - particularly look for examples with runners eg clover..

Butterflies **field 1 grassland and small stream valley** **10-15 mins**

hopefully observe characteristic ones flying about (will have some pictures of likely ones) – orange tip, meadow brown, brimstone, blue? Life cycle diagram of 4 stages and look at contrasting times in each stage. If no butterflies will discuss our special marbles whites (*scope for follow up)*

Birds **around moat** **10-15 mins**

Observe ducks (+/- ducklings) with a few questions to answer eg how many broods? And how many eggs/ducklings.....
look at bird boxes and compare tits with ducks or just mention (*for own follow up if wanted*) and move on to

Pond insects **pond 2 as usual** **35 mins**

pond dipping and use of keys to identify and recording form.
Life cycle diagram of dragonfly - hopefully see some adults but pics and nymph stage if not.
(discuss life cycle of newt or frog (+/- frogspawn if found.)