**Annex 6 - Annual nature surveys, webcams and guides**This resource is designed to help you with monitoring nature through surveys, apps, identification sheets and webcams.

If you take part in a survey, please share your findings by emailing: **21stcenturyschools@valeofglamorgan.gov.uk**

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| **Survey / Organisation name** | **Survey type** | **Description** | **Time of year** | **Equipment / Resources** | **Link / Submit data to:** |
| Amphibian and Reptile Conservation | Amphibians and Reptiles | Submit records of amphibians and reptiles, includes training if needed. Recommended time: 10 minutes. Please do not pick up any amphibians or reptiles. | Spring / Summer | Internet access, ID sheets optional, ponds and/or long grass good areas for recording | <https://www.arc-trust.org/garden-dragon-watch> |
| Bat Conservation Trust | Bats | Submit records of bats. Recommended time: 60 minutes. If you are doing your survey in the evening start at sunset. If you are doing your survey at dawn start one hour before sunrise. | April to September | Internet access, survey form and pencil, torch, timer, bat detector optional | <https://www.bats.org.uk/our-work/national-bat-monitoring-programme/surveys/sunset-sunrise-survey> |
| Botanical Society of Britain and Ireland | Wildflowers | Submit wildflower records. | Spring / Summer | App or internet access, ID sheets optional | <https://bsbi.org/garden-wildflower-hunt> |
| British Arachnological Society | Spider | Take photos of common spiders and add them to the identification database. | All | Camera, internet access | [http://srs.britishspiders.org.uk/portal.php/p/Species+surveys](http://srs.britishspiders.org.uk/portal.php/p/Species%2Bsurveys) |
| British Trust for Ornithology | Garden birdwatch | Submit regular records of birds. (Online membership to BTO currently free.) | All | Internet access, bird feeders and shelters will encourage birds | <https://www.bto.org/our-science/projects/gbw> |
| Buglife | Oil Beetle | Submit oil beetle records. | All | iRecord app or internet access, ID sheets optional | <https://www.buglife.org.uk/get-involved/surveys/oil-beetle-hunt/> |
| Pot Watch | Submit records of non-native flatworms in potted plants | All | Internet access | <https://www.buglife.org.uk/potwatch/> |
| Bugs Matter | Submit records of insects found squashed on car number plate using a ‘splatometer’ grid | June-August | Internet access, Bugs Matter App | <https://www.buglife.org.uk/get-involved/surveys/bugs-matter/> |
| Butterfly Conservation: Big Butterfly Count | Butterflies | Submit butterflies and day-time moth records. Recommended time: 15 minutes. | July – August | iRecord app or internet access, ID sheets optional | <https://bigbutterflycount.butterfly-conservation.org/> |
| Discover the Wild | Multiple | Free ID plant and wildlife sheets to download. | All | Internet access | <https://www.discoverthewild.co.uk/resources> |
| Field Studies Council | Multiple | ID sheets, please note there is a cost (usually between £3 to £6 each). | All | Internet access, finance | <https://www.field-studies-council.org/product-category/publications/?fwp_keyword_search=plants&fwp_publication_type=fold-out-guide> |
| Freshwater Habitats Trust | Pond dipping | Download pond dipping activity sheets. | May – August | Internet access, pond | <https://freshwaterhabitats.org.uk/get-involved-2/big-pond-dip/> |
| Spawn survey | Download spawn survey activity sheets and submit your results. | January - May | Internet access, pond | <https://freshwaterhabitats.org.uk/projects/pondnet/spawnsurvey2021/> |
| iRecord | Multiple | Record and submit your wildlife and nature records. | All | App or internet access | <https://www.brc.ac.uk/irecord/> |
| People’s Trust for Endangered Species | Dormice | Record and submit your records of dormice evidence. Downloadable resources include nut surveying, making footprint tunnels and nest boxes. Please do not disturb any dormice. |  | Internet access, optional footprint tunnel or nest box | <https://ptes.org/campaigns/dormice/surveying-and-monitoring-hazel-dormice/> |
| Hedgehogs | Make or buy a hedgehog tunnel to record footprints. Recommended time: preparation around 3 hours, survey over 5 nights for around 1.5 hours. No specific recording scheme, submit records to SEWBReC, Aderyn or iRecord database. | April to October | Footprint tunnel (bought or made), full equipment list in resource link | <https://ptes.org/wp-content/uploads/2014/06/Guidance-for-detecting-hedgehogs-using-tracking-tunnels.pdf> |
| Hedgerow | Submit species and size records of your hedgerow. | April – October | Internet access, hedgerow | <https://hedgerowsurvey.ptes.org/> |
| Plantlife | Flowers | Record and submit records of flowers. | May | Internet access | <https://www.plantlife.org.uk/everyflowercounts/> |
| Wildflowers, plants and fungi | Wildflower, plants and fungi ID sheets covering year. | All | Internet access | <https://www.plantlife.org.uk/uk/discover-wild-plants-nature/spotter-sheets> |
| Royal Horticultural Society | Slugs | Record and submit records of slugs to help identify the distribution of yellow cellar slugs. Survey best undertaken at night or look for them under logs, paving, in drains and under other objects during the day. | All | iRecord app or internet access, survey sheets | <https://www.rhs.org.uk/slugssurvey> |
| RSPB | Birds | Online bird identifier. | All | Internet access | <https://www.rspb.org.uk/birds-and-wildlife/wildlife-guides/identify-a-bird/> |
| Birds | Download bird identification survey sheets. | January | Internet access | <https://www.rspb.org.uk/fun-and-learning/for-teachers/schools-birdwatch/> |
| Pond dipping | Download pond dipping activity sheets. | All | Internet access, pond | <https://www.rspb.org.uk/fun-and-learning/for-teachers/schools-wild-challenge/activities/pond-dipping/> |
| Sawflies of Britain and Ireland | Sawfly | Record and submit records of sawfly. | May to September | iRecord app or internet access, survey sheets | <https://www.sawflies.org.uk/big-garden-sawfly-survey/> |
| South East Wales Biodiversity Records Centre (SEWBReC) | Multiple | Webinars and online training for identifying wildlife and submitting records. | All | Internet access | <http://www.sewbrec.org.uk/sewbrec-surveys/indoor-wildlife-resources1.page> |
| Multiple | Monthly species and squares of the month for focusing survey efforts. | All | Internet access | <http://www.sewbrec.org.uk/sewbrec-surveys/sewbrec-species-of-the-month1.page> |
| UK Butterfly Monitoring Scheme | Butterflies | Regularly monitor butterflies along a selected route and submit records. | All | Survey form, internet access | <https://www.ukbms.org/> |
| UK Centre for Ecology and Hydrology | Pollinators | Take part in 10-minute Flower-Insect Timed Counts and submit your records.   | April – September | Count forms, Internet access | <https://www.ceh.ac.uk/our-science/projects/pollinator-monitoring> |
| University of Sussex | Spittlebug | Record and submit records of spittle on plants to help identify the spread of harmful bacteria carried by insects such as spittlebugs. | All | Internet access | <https://www.spittlebugsurvey.co.uk/> |
| Wales Biodiversity Partnership | Multiple projects | Resource with list of further surveys and advice (click ‘Getting Started’). | All | Internet access | <https://www.biodiversitywales.org.uk/Recording-the-Natural-World> |
| Zooniverse | Multiple projects | Click on images or listen to sounds to help identify species. | All | Internet access | <https://www.zooniverse.org/projects> |

Below is a list of applications to find out more information about wildlife or plants and to submit nature records out in the field.

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| **App name** | **Type** | **Description** | **Link to download:** |
| BirdNET | Birdsong | Reference guide for identifying birdsong. | <https://play.google.com/store/apps/details?id=de.tu_chemnitz.mi.kahst.birdnet&hl=en_GB&gl=US> |
| BirdTrack | Birds | Record and submit your bird sightings. | <https://www.bto.org/our-science/projects/birdtrack/taking-part/birdtrack-apps> |
| Dragon Finder | Reptiles and amphibians | Reference guide for identifying reptiles and amphibians and to submit records. | <https://play.google.com/store/apps/details?id=org.froglife.dragonfinder&hl=en_GB&gl=US> |
| iRecord | Multiple | Record and submit your wildlife and nature sightings. | <https://irecord.org.uk/app/> |
| iRecord for Butterflies | Butterflies | Record and submit your butterfly sightings. | <https://butterfly-conservation.org/butterflies/recording-and-monitoring> |
| Mammal Mapper | Mammals | Record and submit your mammal sightings. | <https://www.mammal.org.uk/volunteering/mammal-mapper/> |
| OPAL Bugs Count Pocket ID Guide | Insects | Reference guide for identifying insects. | <https://appadvice.com/app/opal-bugs-count-pocket-id-guide/462166466> |
| LERC Wales app | Multiple | Local Environmental Records Centre app for submitting your wildlife and nature records. | <https://www.lercwales.org.uk/app.php>  |
| SEWBReCord | Multiple | Record and submit your local wildlife and nature sightings. | <https://www.sewbrecord.org.uk/> |
| Swiftmapper | Swifts | Record and submit sightings of swifts or swift nests. | <https://play.google.com/store/apps/details?id=com.natural_apptitude.swift_mapper> |
| Tree ID | Trees | Reference guide for identifying trees.  | <https://play.google.com/store/apps/details?id=com.woodlandtrust&hl=en_GB&gl=US> |
| Waxcap Watch | Mushrooms | Record and submit sightings of waxcap mushrooms. | <https://www.plantlife.org.uk/uk/discover-wild-plants-nature/habitats/grassland/waxcaps-fungi/waxcapp-survey> |
| Wildlife Trusts Nature Finder | Multiple | A map of nature reserves, list of events, information on UK wildlife species and a directory for all Wildlife Trusts. | <https://apps.apple.com/gb/app/the-wildlife-trusts-nature-finder/id720696183> |

Viewing online webcams is a great way to keep pupils engaged with nature when the weather is unfavourable and to introduce them to wildlife which tend to avoid human contact. Internet access is required to view the webcams.

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| **Webcam / Organisation name** | **Webcam type** | **Description** | **Time of year** | **Link:** |
| Balmoral Red Squirrel | Red Squirrels | Live webcam of red squirrels in Balmoral. | All | <https://www.balmoralcastle.com/squirrel.htm> |
| Centre for Alternative Technology | Multiple | Live webcams of birds, mammals, and other wildlife from Centre for Alternative Technology near Machynlleth. | All | <https://cat.org.uk/winterwatch-at-cat/videos/> |
| CJ Wildlife Webcams  | Birds | Live webcams of various birds. | All | <https://www.birdfood.co.uk/webcams> |
| Cumbria Wildlife Trust Badgers | Badgers | Live webcam of badgers in Ambelside. | All | <https://www.cumbriawildlifetrust.org.uk/wildlife/cams/badger-cam> |
| Cumbria Wildlife Trust Seals | Grey Seals | Live webcam of seals at South Walney Nature Reserve. | All | <https://www.cumbriawildlifetrust.org.uk/wildlife/cams/seal-cam> |
| Curlew Cam | Curlews | Live webcam of Curlew nest in the Welsh Marches.  | Usually April - July | <https://curlewcountry.org/curlew-cam-2020/> |
| Dorset Wildlife Trust Barn Owls | Barn Owls | Live webcam of Barn Owl nest in Dorset. | All | <https://www.dorsetwildlifetrust.org.uk/wildlifewebcam> |
| Dyfi Osprey Project | Ospreys | Live webcam of Ospreys at Cors Dyfi Nature Reserve near Machynlleth. Website also contains Osprey facts and information about the Dyfi Osprey project.  | Spring – late Autumn  | <https://www.dyfiospreyproject.com/live-streaming> |
| Essex Wildlife Trust Bats | Bats | Live webcam of bat roost at Hanningfield Reservoir Nature Discovery Centre, near Billericay. | All | <https://www.essexwt.org.uk/wildlife/webcams/bat> |
| Llanelli Wetland Centre | Multiple | Live webcams of birds and the Llanelli Wetland Centre nature reserve. | All | <https://www.youtube.com/channel/UCBAou_3We2mP95QkXazqhrg> |
| Skomer Wildlife Camera | Puffins | Live webcam of Puffins at Skomer Island. Run by Wildlife Trust of South and West Wales. | Usually March - July | <https://www.youtube.com/watch?v=qt_PlfPMIsY> |
| Springwatch | Multiple | Live webcams of birds, mammals, and other wildlife from BBC’s Springwatch. | Spring | <https://www.bbc.co.uk/programmes/p07bfsyn> |
| Wildlife Trusts Webcams | Multiple | Live webcams of birds, mammals and nature reserves run by the Wildlife Trust. | All | <https://www.wildlifetrusts.org/webcams> |