



# Cyfrif Adar 2016-2020

Isod ceir pum mlynedd o ddata o'r 20 aderyn uchaf a gofnodwyd yn Gwyllo Adar yr Ysgol. Dyma rai awgrymiadau ar gyfer cyfrifiadau y gall eich disgyblion eu gwneud:

- Cyfrifwch y cyfartaledd cymedrig fesul rhywogaeth o adar fesul ysgol fesul blwyddyn.
- Rhowch bob rhywogaeth o adar yn eu safle yn ôl y cyfartaledd cymedrig fesul blwyddyn.
- Cyfrifwch ganran yr ysgolion a gofnododd bob rhywogaeth o adar bob blwyddyn.
- Cyfrifwch gyfanswm cyfartalog yr adar a welwyd fesul person.
- Lluniwch graff i ddangos tuedd pedair rhywogaeth dros y pum mlynedd.
- Cymerwch sawl blwyddyn a gwnewch gymariaethau fel yr amrywiant canrannol.

Rhywogaethau	2016		2017		2018	
	Cyfanswm a welwyd	Nifer yr ysgolion sy'n eu cofnodi	Cyfanswm a welwyd	Nifer yr ysgolion sy'n eu cofnodi	Cyfanswm a welwyd	Nifer yr ysgolion sy'n eu cofnodi
Gwylan benddu	8,767	626	9,330	761	7,530	627
Aderyn du	12,218	1,317	13,847	1,513	12,863	1,243
Titw tomos las	5,245	1,040	5,628	1,070	4,149	920
Brân dyddyn	7,731	832	9,616	1,034	8,206	824
Ji-binc	2,832	589	2,640	556	1,676	463
Titw benddu	1,391	416	1,478	388	1,261	379
Turtur dorchog	1,574	426	1,793	461	1,421	394
Gwylan y gweunydd	2,574	196	2,312	236	1,924	227
Colomen wyllt	2,840	331	4,130	434	3,334	340
Nico	1,042	184	1,015	202	620	158
Titw mawr	2,516	702	2,718	673	2,019	585
Gwylan y penwaig	3,167	335	4,218	412	2,952	332
Aderyn y to	8,167	905	9,269	1,043	6,877	878
Jac-y-to	3,054	302	4,228	548	3,248	445
Titw cynffon-hir	1,196	255	1,217	276	1,025	250
Pioden	6,357	1,042	7,520	1,184	6,095	1,018
Siglen fraith	1,060	373	1,609	531	1,087	375
Robin goch	4,540	1,180	6,366	1,379	4,919	1,114
Drudwen	8,928	764	11,933	880	8,455	685
Ysguthan	8,917	1,088	11,876	1,294	8,760	1,061



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Rhywogaethau	2019		2020	
	Cyfanswm a welwyd	Nifer yr ysgolion sy'n eu cofnodi	Cyfanswm a welwyd	Nifer yr ysgolion sy'n eu cofnodi
Gwylan benddu	8,312	929	8,152	788
Aderyn du	13,754	2,087	14,980	2,013
Titw tomos las	5,494	1,543	7,574	1,536
Brân dyddyn	8,757	1,390	9,415	1,215
Ji-binc	2,367	775	2,653	690
Titw benddu	1,635	591	2,069	599
Turtur dorchog	1,630	615	1,711	570
Gwylan y gweunydd	1,895	401	2,686	344
Colomen wyllt	2,892	635	5,096	705
Nico	1,223	350	1,515	315
Titw mawr	2,838	1,052	3,210	946
Gwylan y penwaig	3,060	489	4,005	475
Aderyn y to	8,602	1,495	11,531	1,454
Jac-y-to	3,653	742	4,300	662
Titw cynffon-hir	1,187	400	1,862	439
Pioden	6,856	1,653	8,767	1,596
Siglen fraith	1,269	634	1,441	471
Robin goch	5,394	1,901	6,756	1,848
Drudwen	10,939	1,151	11,092	1,006
Ysguthan	10,603	1,716	13,001	1,796

## Data cymryd rhan

Blwyddyn	Cyfanswm yr ysgolion	Cyfanswm y bobl
2016	1,872	82,047
2017	2,210	73,640
2018	1,679	58,922
2019	1,835	63,916
2020	2,621	68,644



# Counts 2016-2020

Below are five years of data of the top 20 birds recorded in Big Schools' Birdwatch. Here are some suggestions of calculations your pupils can make:

- Calculate the mean average per bird species per school per year.
- Determine the rank of each bird species by the mean average per year.
- Calculate the percentage of schools that recorded each bird species each year.
- Calculate the total average birds seen per person.
- Draw a graph to show the trend of four species over the five years.
- Take multiple years and make comparisons such as the percentage variance.

Species	2016		2017		2018	
	Total number seen	Number of schools recording them	Total number seen	Number of schools recording them	Total number seen	Number of schools recording them
Black-headed gull	8,767	626	9,330	761	7,530	627
Blackbird	12,218	1,317	13,847	1,513	12,863	1,243
Blue tit	5,245	1,040	5,628	1,070	4,149	920
Carrion crow	7,731	832	9,616	1,034	8,206	824
Chaffinch	2,832	589	2,640	556	1,676	463
Coal tit	1,391	416	1,478	388	1,261	379
Collared dove	1,574	426	1,793	461	1,421	394
Common gull	2,574	196	2,312	236	1,924	227
Feral pigeon	2,840	331	4,130	434	3,334	340
Goldfinch	1,042	184	1,015	202	620	158
Great tit	2,516	702	2,718	673	2,019	585
Herring gull	3,167	335	4,218	412	2,952	332
House sparrow	8,167	905	9,269	1,043	6,877	878
Jackdaw	3,054	302	4,228	548	3,248	445
Long-tailed tit	1,196	255	1,217	276	1,025	250
Magpie	6,357	1,042	7,520	1,184	6,095	1,018
Pied wagtail	1,060	373	1,609	531	1,087	375
Robin	4,540	1,180	6,366	1,379	4,919	1,114
Starling	8,928	764	11,933	880	8,455	685
Woodpigeon	8,917	1,088	11,876	1,294	8,760	1,061



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## Participation data

Year	Total number of schools	Total number of people
2016	1,872	82,047
2017	2,210	73,640
2018	1,679	58,922
2019	1,835	63,916
2020	2,621	68,644