

### **Projections and Forecasts**

#### **Establishing local demand for English-medium school places in the Creigiau, Pentyrch and Radyr / Morganstown areas.**

In order to calculate the likely demand for English-medium primary school places in the in the Creigiau, Pentyrch and Radyr/ Morganstown areas, historic trends specific to the established school catchment areas have been used. The following paragraphs give details of these catchment areas, the data used and the methodology applied.

The geographical units that are most suitable to analyse in relation to the recent and future demand for primary school places in these areas have been identified as the following discrete catchment area primary schools: Bryn Deri Primary School, Creigiau Primary School, Danescourt Primary School, Pentyrch Primary School and Radyr Primary School.

A map indicating the location of, and catchment areas serving, English-medium primary schools and English-medium streams in dual stream primary schools is attached as Appendix 2.

#### **Projection methodology for existing and new schools**

Cardiff employs a robust projection methodology for planning school places which takes account of NHS GP registration data and school census data submitted by and verified by all Cardiff schools. As projections can only take account of historic and current information the Council also identifies trends within projections, and analyses school preference data and other contextual information to produce forecasts on a city wide basis and in each locality.

Data analysis allows projections to be prepared based on localised patterns at primary school catchment area level, by secondary school catchment area and on a city-wide basis. Each of these provide differing contextual information to inform the forecasting on the number of places that may be needed to meet the requirements of each area and of Cardiff as a whole.

School catchment areas in Cardiff are not coterminous with ward boundaries and often serve all or part of several ward areas.

Separate to forecasts for existing housing in Cardiff, projections are prepared for new housing planned on large scale housing developments, including the strategic Greenfield and Brownfield housing sites identified in the Local Development Plan. These projections take account of census and housing information in Cardiff and allow a calculation of average numbers of pupils in each type of property.

The Education Supplementary Planning Guidance adopted in 2017 sets out the following average yields in each type of property, taking account of the most recent census data.

<b>Table 1: average yield of pupils in for each house type</b>										
Year group	Yields from Flats / Apartments					Yields from Houses / Bungalows				
	1 bed	2 bed	3 bed	4 bed	5+ bed	1 bed	2 bed	3 bed	4 bed	5+ bed
Nursery	0.0102	0.0390	0.0567	0.0470	0.0102	0.0210	0.0507	0.0579	0.0610	0.0555
Primary	0.0155	0.0749	0.1793	0.2329	0.0649	0.0501	0.1247	0.2290	0.2947	0.3059
Secondary	0.0058	0.0287	0.1125	0.1179	0.0373	0.0336	0.0604	0.1666	0.2553	0.2806
6th Form	0.0007	0.0079	0.0345	0.0280	0.0116	0.0092	0.0165	0.0513	0.0864	0.1049

Projection data based on average yields cannot, however, be used to accurately forecast the impact of new housing on the demand for places in each year group.

As a significant proportion of families moving to new housing developments are moving within their local area, the increase in the number of school places required locally and city-wide may be less than would be the case if families have moved into Cardiff. Families moving a short distance to a new development may not wish to transfer their child(ren) to a new school. Consequently, families moving into established housing may therefore have greater difficulty in accessing a local place in an established school.

The rate at which housing on planned new developments is built and occupied depends on a number of market-related factors.

## English-medium primary school capacity and take up of places in the Creigiau, Pentyrch and Radyr/ Morganstown areas.

Table 2 sets out the numbers of pupils on roll in the English-medium and duals stream primary schools serving the Creigiau, Pentyrch and Radyr / Morganstown areas, and the level of surplus capacity at each school at October 2020 (most recent verified NOR data).

**Table 2 – Number on Roll and total surplus capacity – Reception to Year 6 (NOR October 2020)**

Primary School	PAN	Rec	Y1	Y2	Y3	Y4	Y5	Y6	Total	Total Capacity	Surplus	% Surplus
Bryn Deri	30	30	29	30	31	30	30	30	210	184	-26	-14.1%
<sup>1</sup> Creigiau (EM/WM)	29 EM 29 WM	50	49	53	47	57	55	49	360	378	18	4.8%
Danescourt	60	53	61	60	60	58	59	59	410	420	10	2.4%
<sup>1</sup> Gwaelod y Garth (EM/WM)	7 EM 26 WM	34	39	31	33	38	37	36	248	237	-11	-4.6%
Pentyrch	20	12	20	20	24	22	21	23	142	140	-2	-1.4%
Radyr	60	60	59	59	59	57	61	60	415	420	5	1.2%
Tongwynlais	28	23	24	26	23	28	22	26	172	191	19	9.9%
<b>Total</b>	<b>234</b>	<b>262</b>	<b>281</b>	<b>279</b>	<b>277</b>	<b>290</b>	<b>285</b>	<b>283</b>	<b>1957</b>	<b>1970</b>	<b>13</b>	<b>0.6%</b>

This data is for English-medium places except for Ysgol Gynradd Creigiau and Ysgol Gynradd Gwaelod Y Garth which operate a dual stream system and so the capacities and number on roll are combined.

Based on the most recent published data for the school capacities in this area, there is little surplus within schools across the wider area.

Parents are able to express a preference for any school, and depending on local demand, children may secure a place at a school that is not their catchment school.

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<sup>1</sup> Note that for both dual stream schools, the published NOR data does not specify which stream they are in and is a combined figure.

**Current take up of places at English-medium and dual stream primary schools in the Creigiau, Pentyrch and Radyr/ Morganstown areas.**

Table 4 compares the number of pupils resident in January 2020 (most recent PLASC data) within the catchment areas serving the English-medium and dual stream primary schools, and the school attended.

<b>Table 4 – Take up of places at English-medium and dual stream primary schools, by English-medium catchment area – Reception to Year 6</b>									
<b>Catchment Area</b>									
<b>School Attended</b>	<b>Bryn Deri Primary School</b>	<b>Creigiau Primary School (EM catchment)</b>	<b>Danescourt Primary School</b>	<b>Gwaelod y Garth Primary School (EM catchment)</b>	<b>Pentyrch Primary School</b>	<b>Radyr Primary School</b>	<b>Tongwynlais Primary School</b>	<b>Other</b>	<b>Total</b>
Bryn Deri Primary School	154	1	2	3	3	28	1	13	205
Creigiau Primary School	2	103		1	26			47	179
Danescourt Primary School	4	2	198	1	4	26		182	417
Gwaelod y Garth Primary School	4			28	1	1		16	50
Pentyrch Primary School		1		1	123	5	2	14	146
Radyr Primary School	32	1	8		17	327	2	27	414
Tongwynlais Primary School	1		1	7	2	4	134	29	178
Pupils in catchment attending schools listed	197	108	209	41	176	391	139	328	1589
Number from catchment attending other EM schools	6	3	7	2	4	11	15		48
Total pupils resident in catchment attending EM primary schools	203	111	216	43	180	402	154	-	1309

The number of primary age pupils resident in the catchment areas of the above schools attending any English-medium primary schools in Cardiff, totals **xxxx**. This compares with the combined capacity of English-medium schools and streams in this locality of 1638 places. There is therefore a collective surplus for this area of approximately **x%**.

**Recent and projected demand for English-medium community primary school places within the catchment areas for Pentyrch, Creigiau and Radyr/ Morganstown.**

Table 5 below sets out the recent and projected demand for English-medium places at entry to Reception year in the community primary school catchment areas in the Creigiau, Pentyrch and Radyr / Morganstown areas, from existing housing and do not include any figures from the planned housing developments.

This data considers the most recent information supplied by the NHS in summer 2020, and recent patterns of migration and take up of places.

Table 5 – Recent and Projected Demand at Reception for English-medium places.					
		Forecasts based on NHS Data			
Catchment area	PAN	2020-21	2021-22	2022-23	2023-24
Bryn Deri	30	23	16	12	18
Creigiau (EM stream)	29	15	13	13	12
Danescourt	60	26	25	21	17
Gwaelod Y Garth (EM stream)	7	4	3	5	3
Pentyrch	20	16	20	18	19
Radyr	60	48	37	38	31
Tongwynlais	28	22	28	19	23
Total	234	154	142	126	123
Surplus / Projected Surplus		80	92	108	111
		34%	39%	46%	48%

Overall, there is a large amount of surplus places projected for English medium primary school places in the wider area. However, there are few surplus English-medium places projected in the catchment area of Pentyrch Primary School. Whilst surplus places are projected at the next nearest schools (Creigiau Primary School and Radyr Primary School), these are expected to be highly subscribed in the next five years as new housing is developed.

As evidenced in tables 3 and 4, a significant proportion of pupils take up places in these schools who are not resident from within the catchment areas for these schools. This trend may also continue. Pupils' resident outside of Cardiff are also able to take up places at Cardiff schools, subject to sufficient places being available, and may meet higher oversubscription criteria such as residing in closer proximity than some Cardiff applicants who may also be out of the catchment area of that school.

Changes to school catchment areas may allow for an improved balance in the supply of and take up of places for a limited period whilst birth rates are at a low level but it is anticipated that these will stabilise and increase in future years, and new housing will increase the number of children in nearby areas.

### **Projected yield of pupils from significant housing developments within the Creigiau, Pentyrch and Radyr / Morganstown areas.**

Several housing developments have been approved as part of the Local Development Plan for Cardiff in 2016 within the geographical area that is incorporated by these school catchment areas. Separate s106 agreements are in place to ensure that sufficient school provision is available to serve each development.

- Outline planning consent for the construction of up to 630 dwellings on Land North and South of Llantrisant Road site was granted by the Council's Planning Committee in February 2016. The yield or primary school age children from this development is projected at 189 children (27 per year group).
- Outline planning consent for the construction of up to 290 dwellings on Land South of Pentrebanne Road was granted by the Council's Planning Committee in December 2016. The yield or primary school age children from this development is projected at 85 children (12 per year group).
- Outline planning consent for the construction of up to 5970 dwellings on the North West Cardiff (wider Plasdŵr) site was granted by the Council's Planning Committee in March 2017. The yield or primary school age children from this development is projected at 1254 children (179 per year group).
- Outline planning consent for the construction of up to 300 dwellings (subsequently reduced to 260 dwellings) on the Goitre Fach Farm site was granted by the Council's Planning Committee in March 2017. The yield or primary school age children from this development is projected at 72 children (10 per year group).
- Outline planning consent for the construction of up to 1500 dwellings on Land North of Junction 33 was granted by the Council's Planning Committee in February 2017. The yield or primary school age children from this development is projected at 432 children (62 per year group).

Whilst the city-wide take up of places at entry to Reception Year in the most recent intake is approximately 18.5% Welsh-medium: 81.5% English-medium, the take up of places in each community varies greatly.

The development at Goitre Fach Farm has a projected yield of 10 pupils for each year group, of which 8 pupils would take up places in English-medium schools taking

account of the most recent city-wide take up. A range of 6-10 pupils requiring places is assumed to take account of fluctuation.