### UNDERSTANDING THE IMPACT OF WARD LEVEL POPULATION GROWTH ON YOUR SERVICES

### Scenario

- You run an after-school homework club for 14-16 year olds in the London Borough of Barking and Dagenham, in the wards Albion, Eastbury and Gascoigne.
- In order to run the service successfully you need 1 staff member or volunteer for every 5 children who attend. You currently have 50 students attending, with 10 staff/volunteers.
- You are about to apply for funding to keep this club running for the next 5 years, until 2023.
- We can use the Datastore to see if it holds data which can help us project population growth by ward and therefore allow us to estimate the number of staff we will need by 2023.

## Step 1 – <u>Get your data</u>



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- Long-term Trend-based projection (using a 15-year migration scenario)
- Housing-linked projection incorporating data from the 2016 SHLAA

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• Ward-level projections consistent with the borough housing-led model

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Now we can search for the ward and years we are interested in. As Abbey is at the top of the list, we can select 2018 – 2023, to cover the 5 year projection we need.

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## Step 2 - Analyse the data

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You will have 2018-2023 projects for 14-16 year olds in the three wards Abbey, Eastbury and Gascoign.

# Data you already have and how to apply it to the projections.

As set out at the beginning, you know that of the 50 students who currently attend your afterschool club;

- 15 students are from the Albion ward
- 15 are from the Eastbury ward
- 20 are from the Gascoigne ward

We can use what we already know to analyse the projections we have for the next 5 years.

You can work out the percentage of 14-16 year olds you currently work with, from the total 14-16 year old population in each of the three wards and then apply this percentage to the projections in five years time to create an estimate of how many young people you could be working with by 2023.

It is important here to recognise the assumptions made in your analysis e.g. that the percentage of 14-16 year olds you are working with will stay the same. However as long as in presenting your findings you are clear that this is an estimation and set out your workings, it gives a solid indication of where your service may be in five years time.

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sum done in cell own to the cells w to work out % for the two r wards. nd J16 now

ct the % of the 14-16 in these wards attend afterschool club.

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	Are	a B	oroug Area			0			Ŭ	- R					<u> </u>	to the population
1 <b>Ye</b>	ar Coo	le h	Name	Ма	le Female	Persons		Students who currently attend	Percentage of total							
2	2018 E050	000026Ba	arking an Abbey	20	0 200	400		15	3.75%							projections for the
3	2019 E050	000026Ba	arking an Abbey	25	0 200	450	(	=(G2/100)*3.75	0.00%						_	
4	2020 E050	000026Ba	arking an Abbey	25	0 250	500	•		0.00%							next 5 years.
5	2021 E050		arking an Abbey	30	0 250	550			0.00%	~~~					_	,
7	2022 E050	10002(Ba	arking an Abbey	30	10 200 10 300	600			0.00%							
8	2023 2030	JUUU2( D	arking an Abbey	50	500	000			0.0078			<u> </u>	_		_	
9	2018 E050	000031Ba	arking an Eastbur	ry 25	0 200	450		15	3.33%				~	~		to do this you need to,
10	2019 E050	000031Ba	arking an Eastbur	ry 25	0 200	450			0.00%							as shown in call 12
11	2020 E050	000031Ba	arking an Eastbur	ry 25	0 200	450			0.00%							$\neg$ as shown in cell 13,
12	2021 E050	000031Ba	arking an Eastbur	ry 25	0 250	500			0.00%							
13	2022 E050	000031Ba	arking an Eastbur	ry 30	0 250	550			0.00%						_	divide the years total
14	2023 E050	000031Ba	arking an Eastbur	ry 30	0 250	550			0.00%						_	barcana projection by
15	2019 5050	200021 D	orking on Coopoir	ano 25	0 200	650		20	2.099/						_	persons projection by
17	2010 E050	100032 B	arking an Gascolo arking an Gascolo	gne 35	50 300	700		20	0.00%						_	100 and than multiply
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19	2021 E050	000032B	arking an Gascoic	ane 40	0 400	800			0.00%							that by 2 7E% Maka
20	2022 E050	000032Ba	arking an Gascoid	ane 45	i0 400	900			0.00%							11111 Dy 5.75%. Wake
21	2023 E050	000032Ba	arking an Gascoig	gne 50	0 450	950			0.00%							sure you include the
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1 <b>Ye</b> a	ar Co	ode h	Name	Male	Female	Persons		Students who currently	attend Pe	ercentage of total							
3	2010 E0	500002( Barking	an Abbey	200	200	450		=(G3/100)*3 75		3 75%							
4	2020 E0	5000026 Barking	an Abbey	250	250	500			18 75	3 75%							
5	2021 E0	5000026 Barking	an Abbey	300	250	550			20.625	3.75%							
6	2022 E0	500002(Barking	an Abbey	300	250	550			20.625	3.75%							You can then copy
7	2023 E0	5000026 Barking	an Abbey	300	300	600			22.5	3.75%							
8																	this formula into the
9	2018 E0	5000031Barking	an Eastbury	250	200	450			15	3.33%							
10	2019 E0	5000031Barking	an Eastbury	250	200	450			450	100.00%							cells below, by
11	2020 E0	5000031Barking	an Eastbury	250	200	450				0.00%							
12	2021 E0	5000031Barking	an Eastbury	250	250	500				0.00%							dragging from the
13	2022 E0	5000031Barking	an Eastbury	300	250	550				0.00%							
14	2023 E0	5000031Barking	an Eastbury	300	250	550				0.00%							hottom right hand
15																	
16	2018 E0	5000032 Barking	an Gascoigne	350	300	650			20	3.08%							corpor of coll 12
17	2019 E0	05000032 Barking	an Gascoigne	350	300	700				0.00%							
18	2020 E0	05000032Barking	an Gascoigne	400	350	750				0.00%							
19	2021 E0	05000032Barking	an Gascoigne	400	400	800				0.00%							
20	2022 E0	05000032Barking	an Gascoigne	450	400	900				0.00%							
21	2023 E0	5000032 Barking	an Gascoigne	500	450	950				0.00%							I his will calculate
22																	
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1 1	oar	Code		h	iy An Na	ea me	Male	Female	Persons			Students who currently atten	d Percentage of tota									
2	20	018 E0500	0026	Barking	an Abb	bev	200	200	400			15	5 3.75%	, 0								Repeat this for the
3	20	019 E0500	00026	Barking	an Abb	bey	250	200	450			16.87	3.75%	, 0								Repeat this for the
4	20	020 E0500	0002€	Barking	) an Abb	bey	250	250	500			18.7	3.75%	, D								other two wards
5	20	021 E0500	0026	Barking	an Abb	bey	300	250	550			20.62	3.75%	, D								
6 7	20	J22 E0500	0026	Barking	an Abr	bey	300	250	550 600			20.62	5 3.75%									
8	20	JZJ L0300	0020	Darking	an Abi	Jey	500	500	000				.5 5.757									
9	20	018 E0500	00031	Barking	an Eas	stbury	250	200	450			15	5 3.33%	6	$\mathbf{N}$							Make sure vou
10	20	019 E0500	00031	Barking	an Eas	stbury	250	200	450			15	5 3.33%	, D								
11	20	020 E0500	00031	Barking	an Eas	stbury	250	200	450			15	5 3.33%	0								d change the
12	20	J21 E0500	0031	Barking	an Eas	stbury	250	250	500				7 3.33%	o ,	· \					$\sim$		
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15	2	520 20000	000	Durking	, un Luc	libury	000	200	000				0.007					$\sim$				the differences in
16	20	018 E0500	00032	Barking	an Gas	scoigne	350	300	650			20	3.08%	, D			$\sim$					the unterences in
17	20	019 E0500	00032	Barking	an Ga	scoigne	350	300	700			21.5	3.08%	Ď			-					each ward And conv
18	20	020 E0500	00032	Barking	an Gas	scoigne	400	350	750			23.	.1 3.08%	b .								each ward. And copy
19 20	20	J21 E0500	0032	Barking	) an Gas	scoigne	400	400	008			24.6	54 3.08%	0								for all five years
20	20	023 E0500	0032	Barking	i an Gas	scoigne	500	400	900			21.1	2 3.08%	D /								
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	А	В	С	D	E	F	G	Н	I	J	К	L	М	Ν			
		Area	Boroug	Area													Now you have the
1 Ye	ar	Code	h Of Development and	Name	Male	Female	Persons	5	Number of students of will attend	Percentage of total							Now you have the
2	2018		2t Barking an /	Abbey	200	200	400		15	3.75%					_		ostimated totals of
3	2019		20 Barking and	Abbey	250	200	450	-	10.873	3.75%					_		
4	2020		26 Barking and		200	250	550		20.625	3.75%							11 16 year alde who
6	2021	E050000	26 Barking and	Abbey	300	250	550		20.023	3 75%							14-10 year olus who
7	2023	3 F050000	26 Barking and	Abbey	300	300	600		22.5	3 75%							
8																	may attend your
9	2018	3 E050000	31Barking an I	Eastbury	250	200	450		15	3.33%							
10	2019	E050000	31Barking an I	Eastbury	250	200	450		15	3.33%							service in 2023.
11	2020	E050000	31Barking an I	Eastbury	250	200	450		15	3.33%							
12	2021	E050000	31Barking an I	Eastbury	250	250	500		17	3.33%						/	
13	2022	2 E050000	31Barking an I	Eastbury	300	250	550		18	3.33%							
14	2023	B E050000	31Barking an I	Eastbury	300	250	550		18	3.33%							Then through a simple
15																/	
16	2018	3 E050000	32 Barking an	Gascoigne	350	300	650		20	3.08%					_/		addition sum you car
17	2019	9 E050000	32 Barking an	Gascoigne	350	300	700		21.56	3.08%							
18	2020	E050000	32 Barking an	Gascoigne	400	350	750		23.1	3.08%							soo the estimates
19	2021	1 E050000	32Barking an	Gascoigne	400	400	800		24.64	3.08%							see the estimates
20	2022	2 E050000	32 Barking an	Gascoigne	450	400	900		27.72	3.08%							nradict on increase in
21	2023	3 E050000	32 Barking an	Gascoigne	500	450	950		29.20	3.08%							predict an increase in
22													$\sim$				
23										50		10					the total of 20
24								(				10					
20									2023 estimated increase	=22.3+18+29.3	Stall needed by 2023	14			_		students.
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