

## Appendix 2 - Key areas of industrial growth in Brighton & Hove, and the provision offered at Sixth Form

Please note that many of the courses mentioned are only run if there is sufficient uptake:

### Arts & Culture

- **Drama & Theatre Studies** is offered as an A Level at a number of providers, whilst **Dance** is offered at Cardinal Newman & PACA (A Level course), and Varndean & City College (BTEC). **Performing & Production Arts** is offered as a vocational course at City College, Blatchington Mill offers an A Level in **Performing Arts/Musical Theatre** and BHASVIC offers an A Level in **Performance Studies**.
- **Art & Design** courses are also widely available, including courses such as **Textiles, 3D Product Design** and **Graphic Design & Communication**. With the potential detrimental effect on arts subjects due to the new Ebacc, it is worth monitoring subject uptake over the next few years, to ensure that the needs of the local workforce can be met.

### Leisure & Tourism

- **Sport** is offered as a study option at all 8 major Key Stage 5 providers in Brighton & Hove, with BHASVIC in particular offering a broad sport-related programme. There are football and boxing academies within City College, and football and cricket academies at BACA.
- **Travel & Tourism** is also offered at a number of providers, with Hove Park and Blatchington Mill offering an A Level course, whilst vocational options are provided at Cardinal Newman, Varndean and BACA. City College offers Level 2 courses in **Taking off into Travel, Moving on into Travel** and **Air Cabin Crew**.

### Creative, Digital and IT

- **Information Technology** is offered as a course at most of the Sixth Form providers, with Computing and Computer Science also offered quite widely. BACA is a Digital Media Specialist Academy, and Cardinal Newman offer a Level 3 BTEC in Computing for Creative Industries.

### Financial and Business Services

- **Business Studies** and **Law** A Levels are available at a number of the providers. **Accountancy** is available at BHASVIC and City College, with City College additionally offering apprenticeships in **Accountancy, Business Administration, Management** and **Team Leading**.

### Environmental Industries

- **Biology** and **Geography** are widely available as A Levels, which can help towards a career in environmental industries. A potential gap is that **Geology**

is not offered as an A Level, and only BHASVIC offers a course in **Environmental Studies**.

### Appendix 3 - Provision for SEND and FSM students post 16

#### SEN (Special Educational Needs) Support

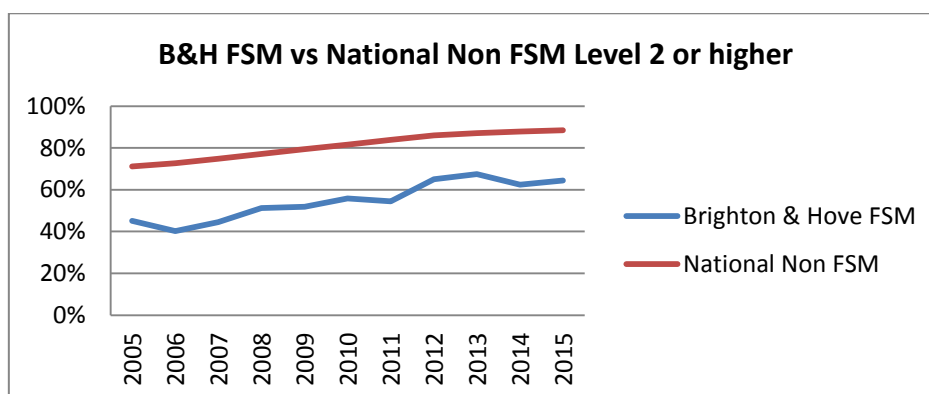
Over the past three years, the percentage of children with SEN at Blatchington Mill has increased, from 14.8% in 2014 to 19.0% in 2016. In the same period, Hove Park and PACA have shown the opposite trend, although at PACA we are looking at a small cohort size. Overall, 19.7% of students in Brighton & Hove schools had SEN in 2016, a decrease from 22.5% in 2014.

Looking at the Level 2 and Level 3 at age 19 SEN Gap between the Brighton & Hove SEN cohort compared to the national non-SEN cohort, the gap has closed significantly from 43% in 2010 to 29% in 2015. At Level 3 the improvement has not been quite as steep, but still has improved from 44% in 2010 to 39% in 2015.

#### FSM Attainment Gap – 19 year olds achieving Level 2 or higher

In 2015, the FSM attainment gap was 22.2%, above the previous year's figure of 22.8%, but short of the national average of 16.5%. Brighton & Hove have not had an attainment gap better than the national average since 2012, and the gap widened significantly between 2013 and 2014.

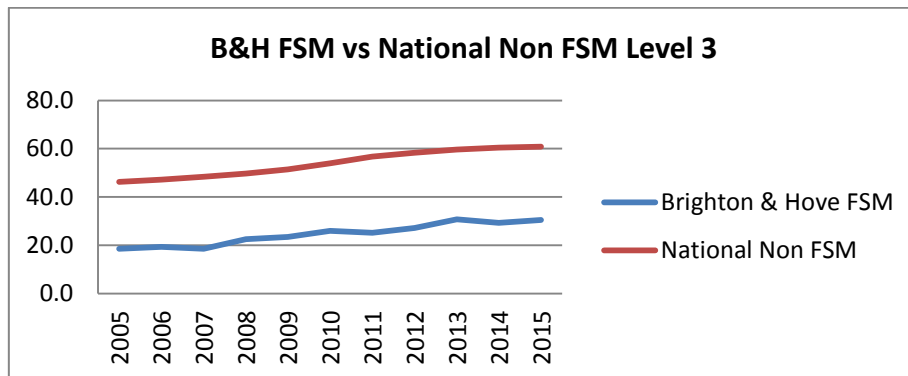
The below graph looks at how FSM young people in Brighton & Hove compare to Non FSM young people nationally. The gap has varied, but overall is narrowing over the last ten years:



#### FSM Attainment Gap – 19 year olds achieving Level 3 or higher

In 2015, the FSM attainment gap was 29.8%. This is a slight improvement on the previous year's figure of 30.1%, but short of the national average of 24.6%. Brighton & Hove have not had an attainment gap better than the national average since 2006, and the gap widened significantly between 2013 and 2014.

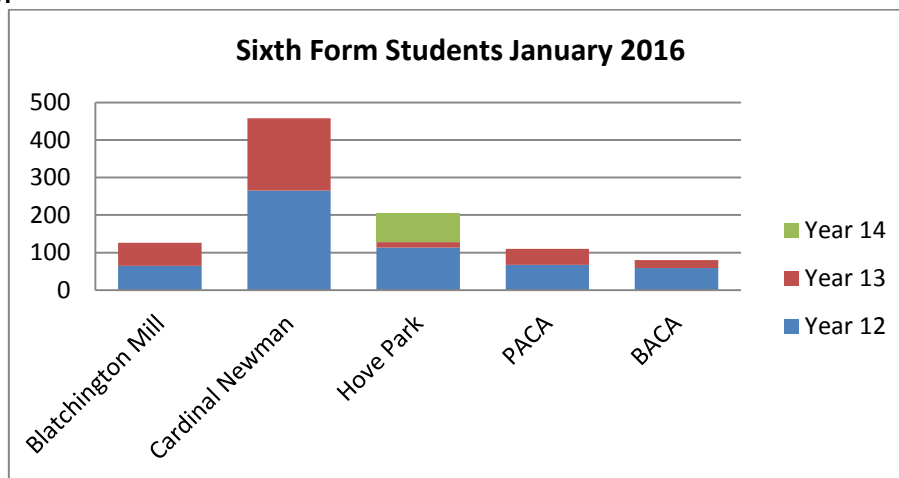
The below graph looks at how Free School Meal young people in Brighton & Hove compare to Non FSM young people nationally. The gap has varied but has widened slightly over the last ten years.



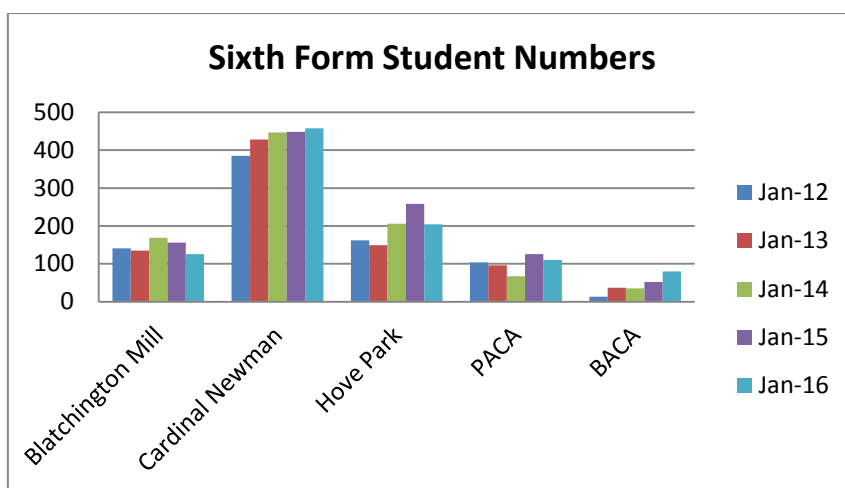
#### Appendix 4 - Quantity of current provision

##### Quantity – number of students

There were 978 students studying at school based Sixth Forms when the census was taken in January 2016. This can be broken down into 569 in Year 12 (58% of the cohort), 333 in Year 13 (34% of the cohort) and 76 in Year 14 based at Hove Park (8%).



Cardinal Newman has the greatest number of students, with 458 students studying there, and the school have stated that they expect this to increase to 520 students at the beginning of the next school year. BACA have also predicted an increase, rising from 80 to 130 students. Hove Park are expecting to stay at around 200 students, and PACA staying at around 100.



In general, students at school-based Sixth Forms have increased over the last five years, although there has been a slight decrease between 2015 and 2016. This data is taken from the January Census each year.

Looking to the future, feedback from LEPS, employers and local authorities has provided some information. In East Sussex, West Sussex and Brighton & Hove, secondary school numbers will reach their low point by 2018 and will increase year-on-year until at least 2031. The growth will filter through into post-16 by 2019 – based on ONS sub-national population projections. Figures do not take account of population due to housing growth, which may mean that the upwards trajectory of young people aged 16-19 in the area increases at a faster rate beyond 2020.

## Appendix 5 - Value For Money

In June 2014, London Economics released a review that had been requested by the Sixth Form Colleges Association, undertaking a detailed analysis of the value for money achieved by different education providers in relation to academic provision for young people aged between 16 and 19. This link takes you to the full report:

[http://www.sixthformcolleges.org/sites/default/files/London%20Economics\\_Value%20for%20money%20in%20Sixth%20Form%20education\\_FINAL%20REPORT.pdf](http://www.sixthformcolleges.org/sites/default/files/London%20Economics_Value%20for%20money%20in%20Sixth%20Form%20education_FINAL%20REPORT.pdf)

The analysis concluded that “students in Sixth Form Colleges are more likely to achieve higher levels of attainment than their peers in non-selective Maintained School Sixth Forms and Academy Sixth Forms”. This is despite information from the Education Funding Agency suggesting that the average funding per student at a Sixth Form College is lower than at Maintained School Sixth Forms. The full details of this report can be found in the appendix.

It is hard to measure conclusively whether these figures are reflected in Brighton & Hove, due to the small sample size, variance in prior attainment and differences between academic and vocational qualifications. In 2015, BHASVIC achieved the highest A Level average points score, but also had the highest prior attainment amongst their pupils. Varndean and Blatchington Mill had identical prior attainment for their pupils, and in Key Stage 5 results Varndean fared better for A Level results, but Blatchington Mill showed better results for vocational subjects.

## Appendix 6 - Quality of Provision

The below table shows a summary of results in 2015 from the Datadashboard, with the green shading reflecting improving results on the previous year, and the pink shading reflecting results lower than the previous year:

Brighton & Hove City Council 2015	Post 16 Students	Ave. KS4 Pts on Entry	A Level APS (FTE)	A Level APE	Vocational APS (FTE)	Vocational APE
LA Average 2015	-	44.8	776.4	220.5	497.5	220.9
Blatchington Mill	154	43.4	676	185.6	693.7	227.4
BACA	52	41	X	X	606.9	220.7
BHASVIC	2352	47.3	825.4	227.7	758.2	244.6
Cardinal Newman	447	46.5	715.4	212.6	640.2	217.3
City College	2025	40.8	X	X	417.6	218.2
Hove Park	259	42.2	661.3	195.5	416.6	205
PACA	124	44.2	694.9	188.7	701.6	214.7
Varndean	1460	43.4	699.2	210.8	554.7	212.9

APS = Average Points Score, APE = Average Points Per Entry

### A Level results (Datadashboard 2015)

PERCENTAGES	A*	A	B	C	D	E	U
Blatchington Mill	3.1%	5.2%	21.6%	33.0%	24.7%	10.3%	2.1%
BACA	0.0%	0.0%	0.0%	33.3%	33.3%	33.3%	0.0%
BHASVIC	14.3%	22.2%	28.9%	19.1%	10.1%	3.7%	1.8%
Cardinal Newman	8.4%	11.7%	27.8%	28.7%	15.3%	6.9%	1.1%
City College	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%
Hove Park	8.1%	9.9%	16.1%	28.0%	26.7%	9.9%	1.2%
PACA	0.0%	9.4%	18.8%	40.6%	18.8%	9.4%	3.1%
Varndean	9.1%	15.0%	28.6%	25.2%	14.5%	5.7%	1.9%
<b>TOTAL</b>	<b>12.0%</b>	<b>18.6%</b>	<b>28.1%</b>	<b>22.2%</b>	<b>12.5%</b>	<b>4.8%</b>	<b>1.7%</b>

**Achieving A\* to B** – 58.7% of A Level entries in Brighton & Hove in 2015 resulted in a grade of A\*, A or B. BHASVIC, who were responsible for the majority of the entries, had notable success with 65.4% of entries achieving this level, including 14.3% achieving grade A\*. Nationally, 52.8% of A Level entries achieved A\*-B in 2015.

**Failure rate** – In Brighton & Hove, 1.7% of entries did not achieve A\*-E, slightly better than the national figure of 1.9%. PACA (3.1%) and Blatchington Mill (2.1%) had the highest failure rates by this measure.

## AS Level results (Datadashboard 2015)

PERCENTAGES	A	B	C	D	E	U
Blatchington Mill	6.7%	16.7%	21.4%	24.3%	12.9%	18.1%
BACA	0.0%	9.1%	0.0%	18.2%	18.2%	54.5%
BHASVIC	26.4%	23.2%	21.6%	13.3%	8.1%	7.4%
Cardinal Newman	17.7%	14.0%	20.5%	24.0%	13.5%	10.3%
City College	-	-	-	-	-	-
Hove Park	9.6%	12.4%	13.1%	15.5%	14.5%	34.9%
PACA	5.0%	8.3%	12.4%	26.4%	19.8%	28.1%
Varndean	19.3%	20.8%	21.0%	15.6%	10.7%	12.5%
<b>TOTAL</b>	<b>22.1%</b>	<b>20.7%</b>	<b>20.6%</b>	<b>15.5%</b>	<b>9.9%</b>	<b>11.3%</b>

**Achieving A or B Grade** – Over 40% of AS Level entries in Brighton & Hove resulted in an A or a B grade, with BHASVIC (49.6%) and Varndean (40.1%) having the highest percentages.

**Failure rate** – 11.3% of entries in Brighton & Hove did not achieve A-E, with Hove Park having notably disappointing results as 34.9% of entries resulted in a U, equating to 175 exams taken.

## BTEC Results (Datadashboard 2015)

PERCENTAGES	D*	D	M	P
Blatchington Mill	39.8%	18.6%	14.2%	27.4%
BACA	35.7%	16.7%	28.6%	19.0%
BHASVIC	57.9%	21.4%	15.5%	5.2%
Cardinal Newman	19.4%	27.6%	14.3%	38.8%
City College	24.5%	26.3%	27.0%	22.2%
Hove Park	22.7%	27.3%	22.7%	27.3%
PACA	13.3%	0.0%	46.7%	40.0%
Varndean	16.4%	21.6%	33.9%	28.0%
<b>TOTAL</b>	<b>28.3%</b>	<b>23.0%</b>	<b>26.0%</b>	<b>22.7%</b>

**Provision** – All of the educational providers had students studying for vocational qualifications, although at BACA, PACA and Hove Park the numbers were very limited. BHASVIC achieved notable success as 168 students (57.9%) achieved a grade of D\*.

**Achieving D or D\*** - Over half of all BTEC entries in Brighton & Hove achieved a result of D or D\*.

## Appendix 7 – Early Information from the schools and colleges, A Level results day 2016

2016 Percentages						
Centre	A-Level (or equivalent)			AS-Level (or equivalent)		
	% A* to B	% A* to C	% Pass	% A* to B	% A* to C	% Pass
BHASVIC	62.7%	83.9%	99.1%	57.1%	75.9%	94.0%
Varndean College	56.0%	81.0%	98.1%	38.1%	58.8%	86.7%
Blatchington Mill	23.8%	56.4%	94.1%	29.7%	51.6%	81.3%
Cardinal Newman	46.1%	70.3%	98.0%	64.8%	72.4%	95.2%
Hove Park	39.0%	67.6%	97.3%	17.2%	31.9%	71.4%
PACA	37.9%	55.2%	100%	32.5%	52.5%	82.5%
BACA	25.0%	25.0%	100%	9.1%	18.2%	45.5%
B&H	57.6%	80.5%	98.6%	44.9%	64.0%	88.5%
National (UK)	52.8%	77.5%	98.1%	41.6%	62.9%	90.0%

Change 2015 to 2016						
Centre	A-Level (or equivalent)			AS-Level (or equivalent)		
	% A* to B	% A* to C	% Pass	% A* to B	% A* to C	% Pass
BHASVIC	-3.0%	-0.6%	+1.0%	+6.5%	+4.0%	+1.1%
Varndean College	+3.4%	+3.9%	+0.7%	-2.2%	-2.5%	-0.7%
Blatchington Mill	-23.4%	-14.4%	-5.4%	+7.7%	+8.1%	-2.5%
Cardinal Newman	-2.2%	-5.7%	-0.8%	+31.1%	+18.0%	+5.3%
Hove Park	+9.4%	+11.8%	-1.0%	-4.3%	-3.4%	+6.3%
PACA	+0.3%	-14.7%	+1.1%	+22.0%	+29.7%	+14.1%
BACA	-17.1%	-43.4%	+5.3%	-22.9%	-36.5%	-39.9%
B&H	-0.8%	-0.2%	+0.5%	+1.4%	-1.4%	-0.5%
National (UK)	0.0%	+0.3%	0.0%	+0.9%	+0.6%	+0.7%

### Notes

\* Small numbers of entries in some of the school sixth forms mean that a small percentage drop in the number of passes or higher grades results in an apparently high percentage change.

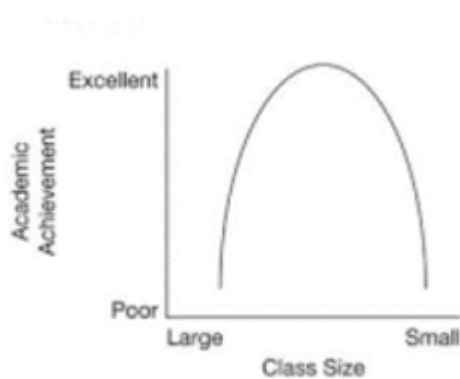
All data is provisional data

## Appendix 8 – Effect of Class Size on Learning

### Effects of Class Size on Learning

Research has shown that very large class sizes can be detrimental to learning, but there are also reasons why learning can be less efficient in very small class sizes as well.

Gladwell<sup>1</sup> states that “there is a point at which small class sizes do not produce better outcomes. They produce worse outcomes”, looking at how small classes can too easily be dominated by one person, and how teenagers may find them too intimate and it difficult for them to protect their autonomy, as well as issues with separating two young people who do not get along when the class size is small. Gladwell concludes that the graph best represents the effect of class size is an inverted U, with the optimum number of students in a class being dependant on other variables such as the subject matter and learning ability of the students:



Additionally, research by Dobbstein, Levin and Osterbeek<sup>2</sup> found that children need peers with a similar level of academic ability to get the best out of them academically, stating that the “number of similar pupils has indeed a significantly positive impact on performance”. This correlation appeared especially true in those students of weaker ability, and in small class sizes the opportunity to work with students of similar ability is evidently reduced.

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<sup>1</sup> “David and Goliath: Underdogs, Misfits, and the Art of Battling Giants”, Gladwell, 2013

<sup>2</sup> “The causal effects of class size on scholastic achievement; distinguishing the pure class size effect from the effect of changes in class composition”, Dobbstein, Levin, Osterbeek, 2013