

The Geological Society

## EARTH SCIENCE STUDENTS - DEMOGRAPHICS DATA BRIEF

May 2024

## INTRODUCTION TO EARTH SCIENCE STUDENTS - DEMOGRAPHICS DATA BRIEF

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This report has been developed by the Geological Society to provide an overview of the demographics of Earth Science students at UK Higher Education Institutions for the academic years 2016/17 to 2020/21.

The report provides a range of demographic information on Earth Science students, including sex, age, ethnicity, socio-economic status as well as undergraduate enrolment numbers by HE provider.

The data used in this report was provided by Jisc Services Limited on behalf of the [Higher Education Statistics Agency](#) (HESA).

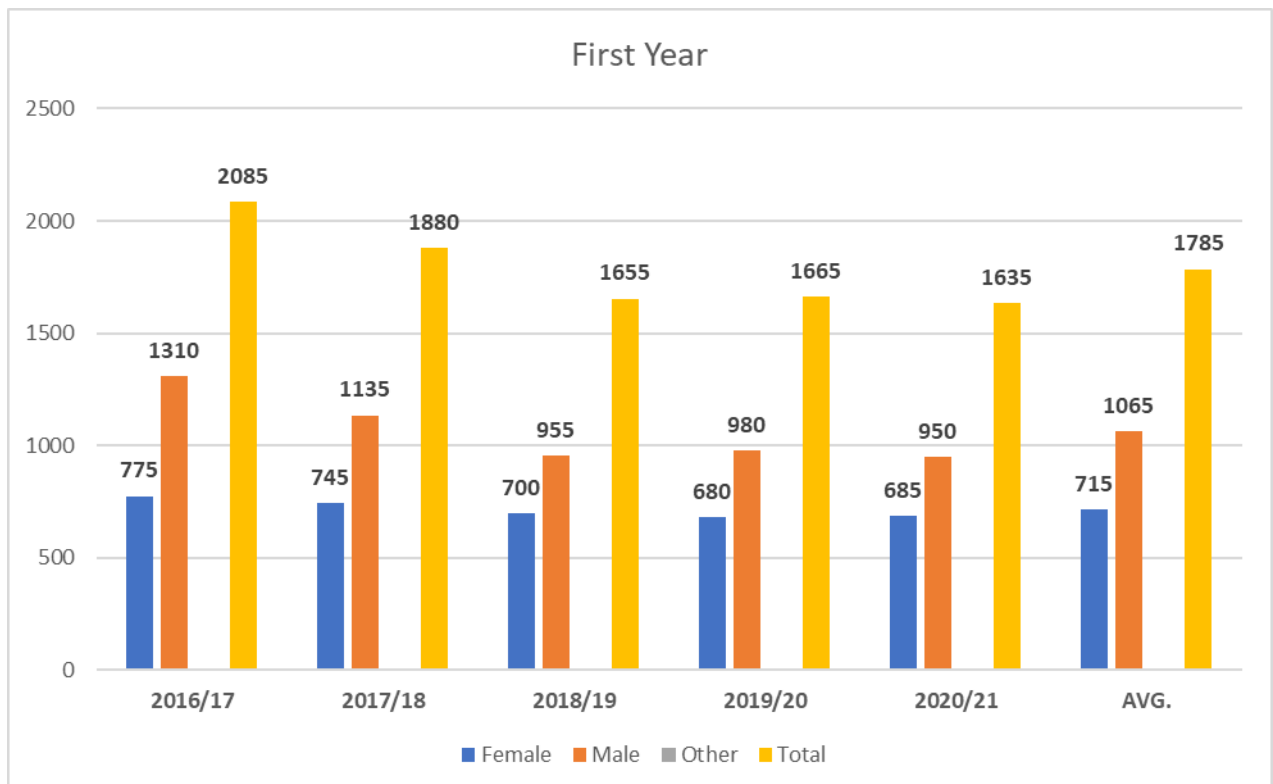
The Jisc Services Standard Rounding Methodology (<https://www.hesa.ac.uk/about/regulation/dataprotection/rounding-and-suppression-anonymise-statistics>) has been applied so that all counts displayed or plotted, within this report, have been rounded to the nearest 5.

## SEX OF STUDENTS

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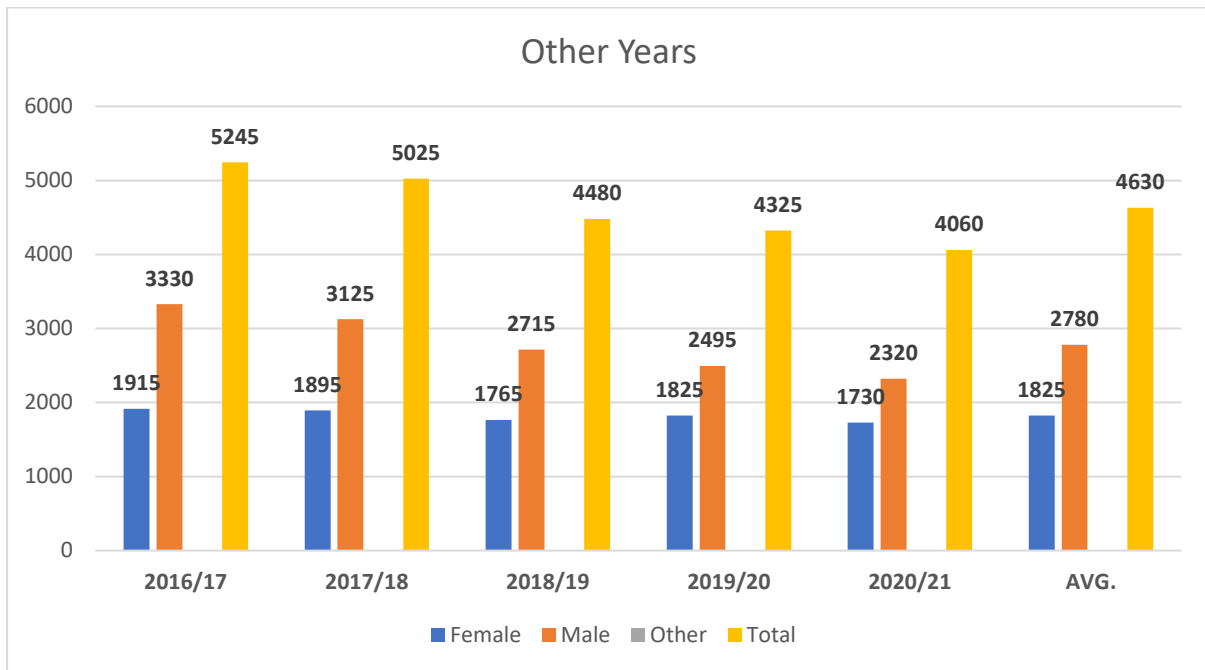
### FIRST YEAR

	2016/17	2017/18	2018/19	2019/20	2020/21	AVG.
<b>Female</b>	775	745	700	680	685	715
<b>Male</b>	1310	1135	955	980	950	1065
<b>Other</b>			*	*	*	*
<b>Total</b>	2085	1880	1655	1665	1635	1785



ALL OTHER YEARS

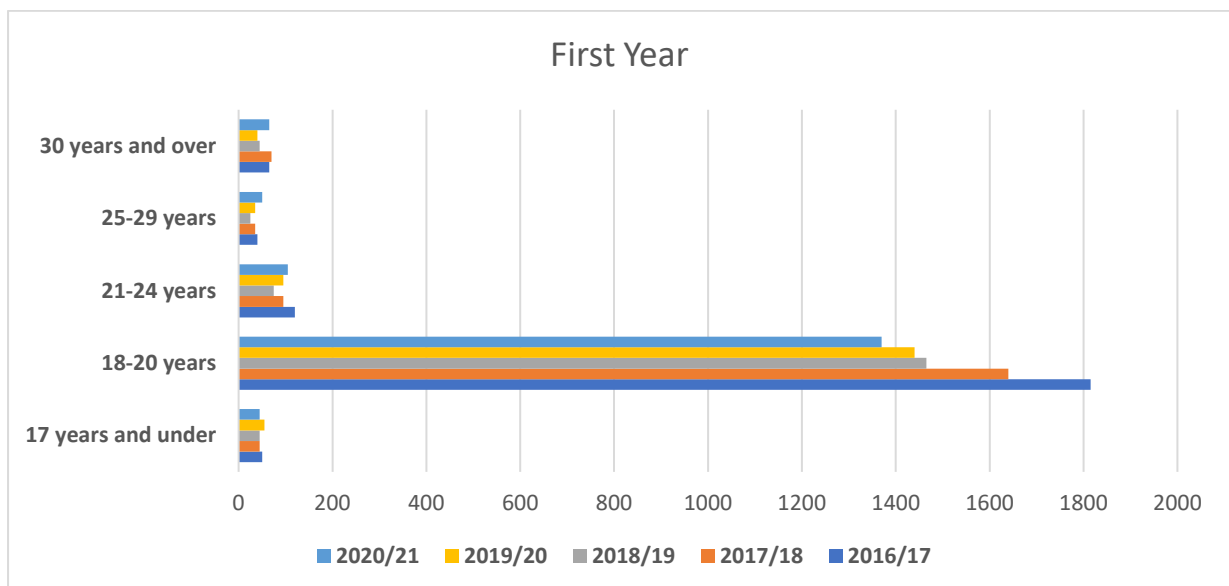
	2016/17	2017/18	2018/19	2019/20	2020/21	AVG.
<b>Female</b>	1915	1895	1765	1825	1730	1825
<b>Male</b>	3330	3125	2715	2495	2320	2780
<b>Other</b>	*	*	*	*	10	5
<b>Total</b>	5245	5025	4480	4325	4060	4630



## AGE OF STUDENTS

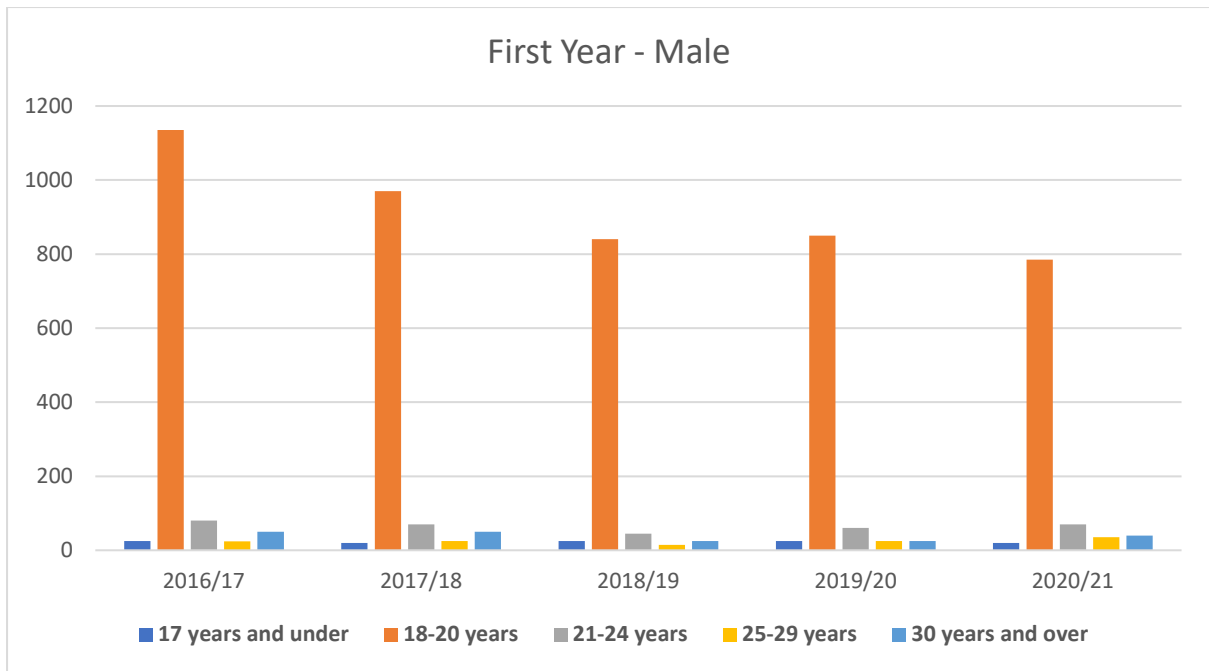
### First Year – Overall

	2016/17	2017/18	2018/19	2019/20	2020/21	AVG.
<b>17 years and under</b>	50	45	45	55	45	50
<b>18-20 years</b>	1815	1640	1465	1440	1370	1545
<b>21-24 years</b>	120	95	75	95	105	100
<b>25-29 years</b>	340	35	25	35	50	35
<b>30 years and over</b>	65	70	45	40	65	55
<b>Total</b>	<b>2087</b>	<b>1881</b>	<b>1653</b>	<b>1665</b>	<b>1636</b>	<b>1785</b>



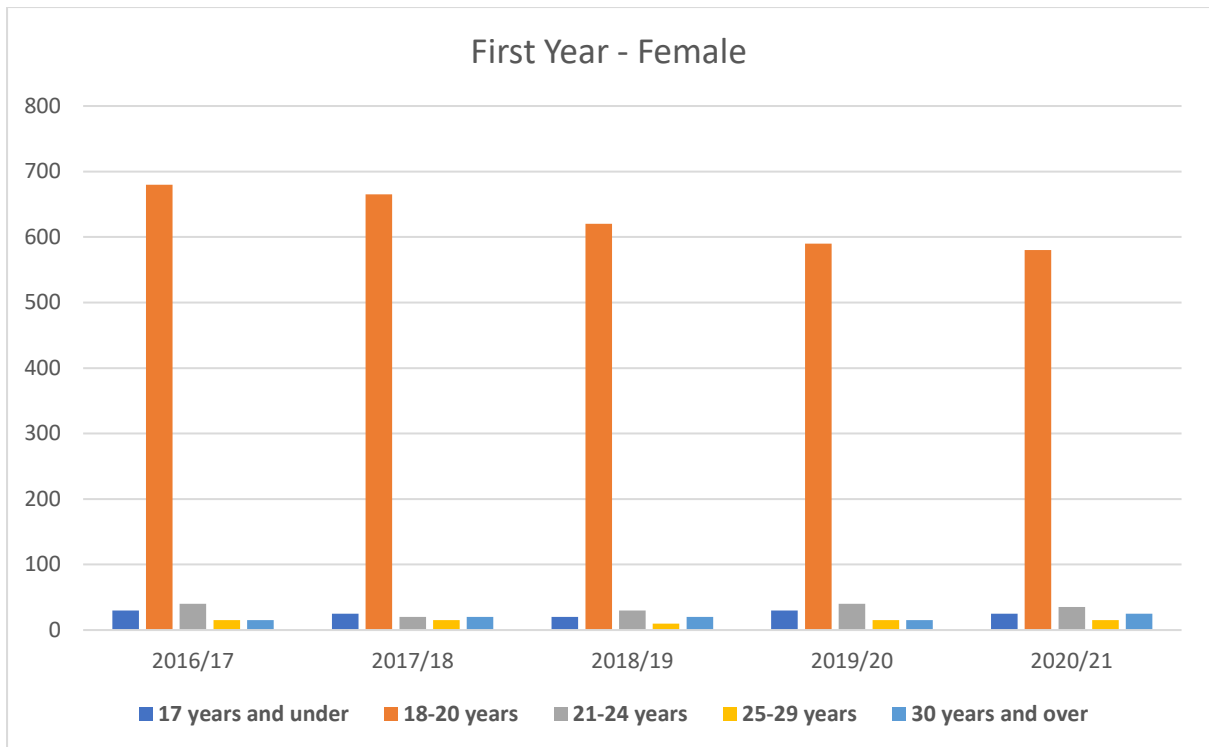
### First Year - Male

	2016/17	2017/18	2018/19	2019/20	2020/21	AVG
<b>17 years and under</b>	25	20	25	25	20	<b>25</b>
<b>18-20 years</b>	1135	970	840	850	785	<b>915</b>
<b>21-24 years</b>	80	70	45	60	70	<b>65</b>
<b>25-29 years</b>	25	25	15	25	35	<b>25</b>
<b>30 years and over</b>	50	50	25	25	40	<b>40</b>



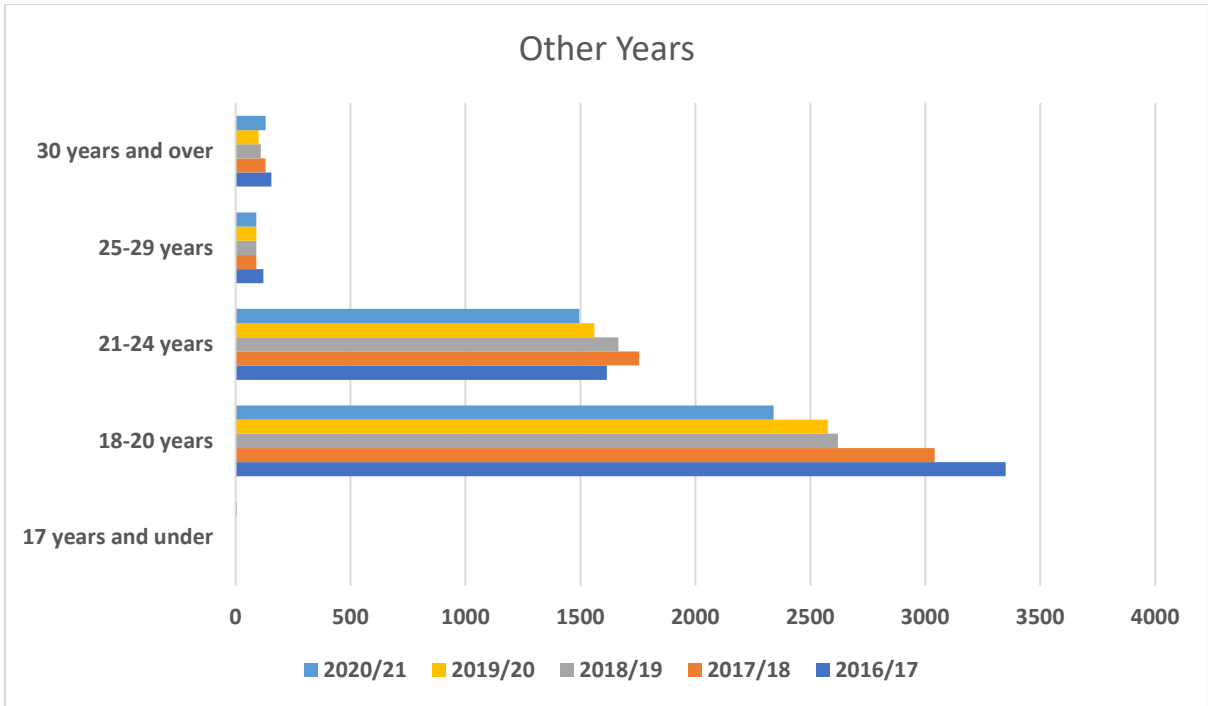
### First Year – Female

	FEMALE	2016/17	2017/18	2018/19	2019/20	2020/21	AVG
<b>17 years and under</b>		30	25	20	30	25	<b>25</b>
<b>18-20 years</b>		680	665	620	590	580	<b>625</b>
<b>21-24 years</b>		40	20	30	40	35	<b>35</b>
<b>25-29 years</b>		15	15	10	15	15	<b>15</b>
<b>30 years and over</b>		15	20	20	15	25	<b>20</b>



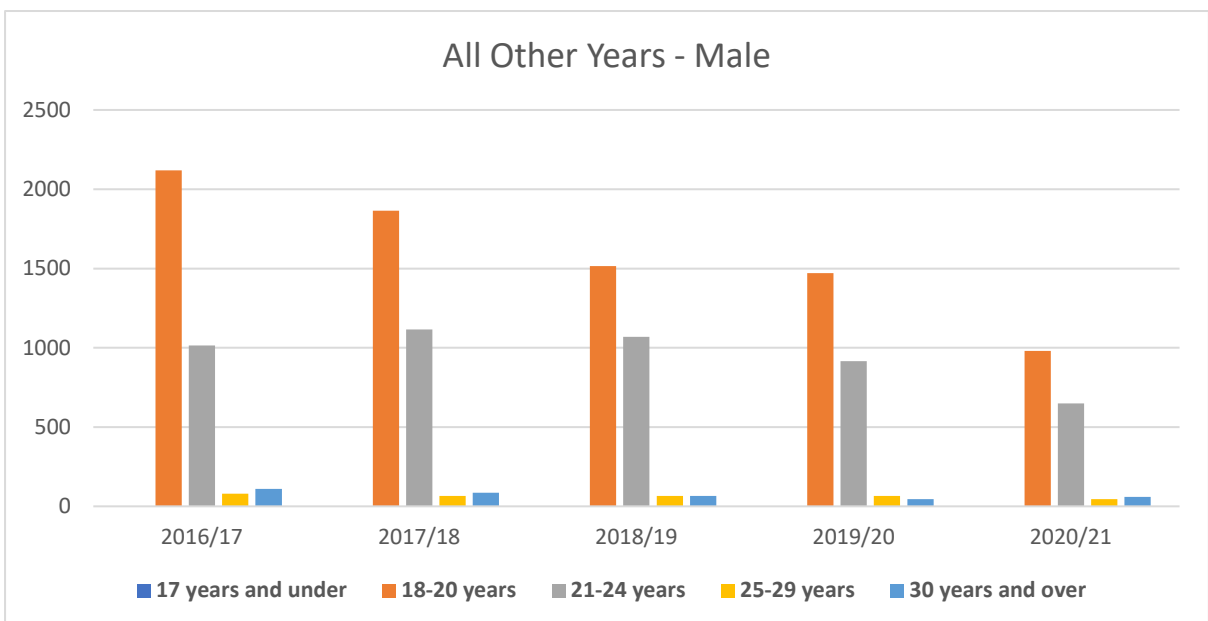
#### All Other Years – Overall

	2016/17	2017/18	2018/19	2019/20	2020/21	AVG.
<b>17 years and under</b>	*	*	0	0	*	*
<b>18-20 years</b>	3350	3040	2620	2575	2340	2785
<b>21-24 years</b>	1615	1755	1665	1560	1495	1619
<b>25-29 years</b>	120	95	90	90	90	95
<b>30 years and over</b>	155	130	110	100	130	125
<b>Total</b>	<b>5245</b>	<b>5025</b>	<b>4480</b>	<b>4325</b>	<b>4060</b>	<b>4625</b>



#### All Other Years – Male

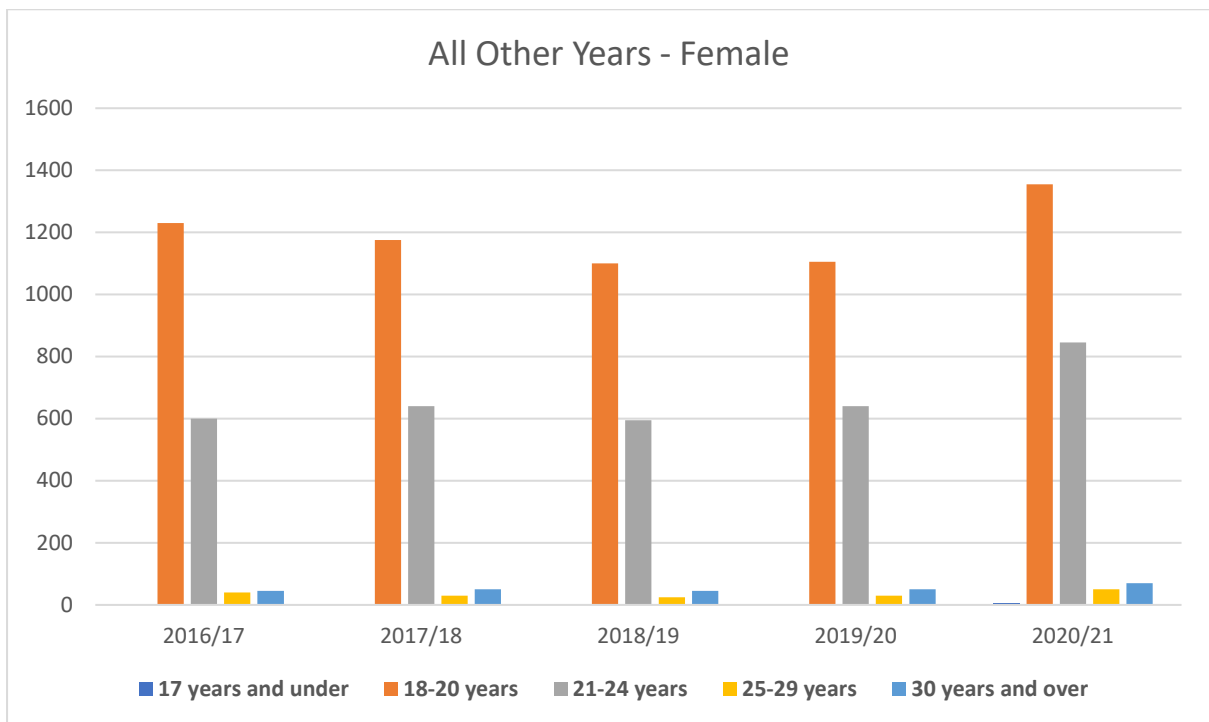
	MALE	2016/17	2017/18	2018/19	2019/20	2020/21	AVG
<b>17 years and under</b>		0	0	0	0	0	<b>0</b>
<b>18-20 years</b>		2120	1865	1515	1470	980	<b>1590</b>
<b>21-24 years</b>		1015	1115	1070	915	650	<b>955</b>
<b>25-29 years</b>		80	65	65	65	45	<b>65</b>
<b>30 years and over</b>		110	85	65	45	60	<b>75</b>





### All Other Years – Female

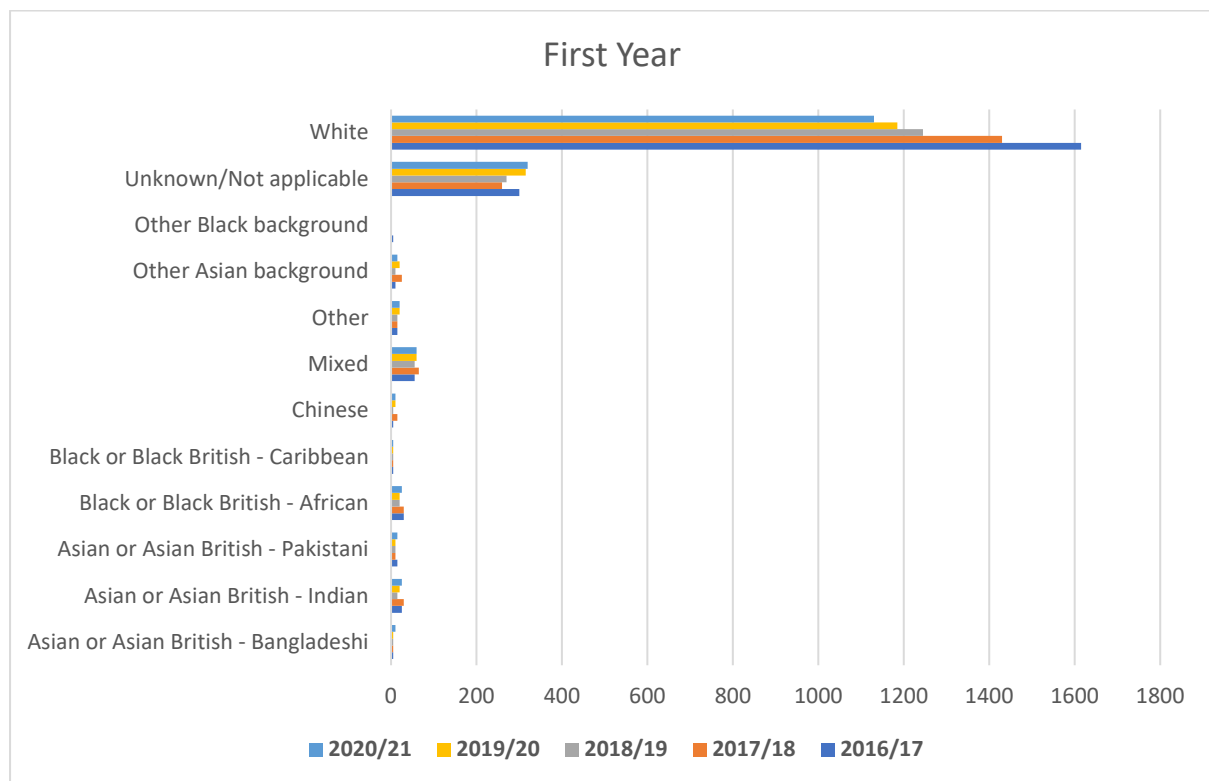
	FEMALE	2016/17	2017/18	2018/19	2019/20	2020/21	AVG
<b>17 years and under</b>		0	0	0	0	5	<b>0</b>
<b>18-20 years</b>		1230	1175	1100	1105	1355	<b>1195</b>
<b>21-24 years</b>		600	640	595	640	845	<b>665</b>
<b>25-29 years</b>		40	30	25	30	50	<b>35</b>
<b>30 years and over</b>		45	50	45	50	70	<b>50</b>



## ETHNICITY OF STUDENTS

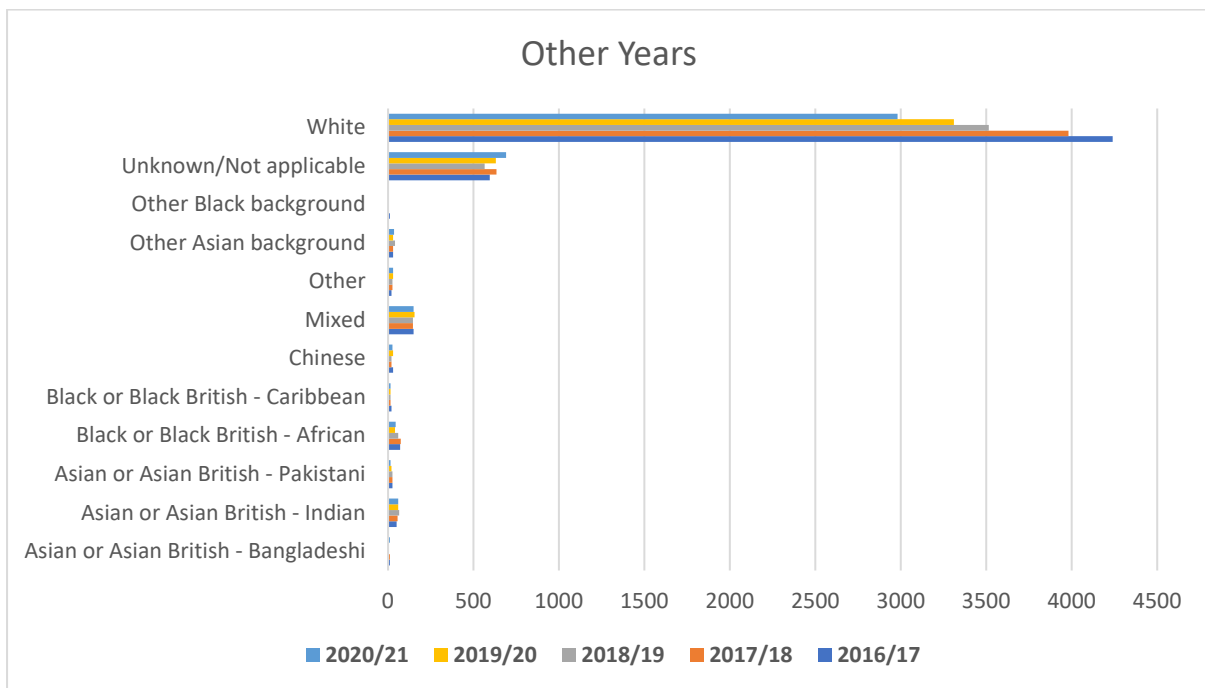
First Year

	2016/17	2017/18	2018/19	2019/20	2020/21	AVG.
<b>Asian or Asian British - Bangladeshi</b>	5	5	5	5	10	5
<b>Asian or Asian British - Indian</b>	25	30	15	20	25	25
<b>Asian or Asian British - Pakistani</b>	15	10	10	10	15	10
<b>Black or Black British - African</b>	30	30	20	20	25	25
<b>Black or Black British – Caribbean</b>	5	5	5	5	5	5
<b>Chinese</b>	10	15	5	10	10	10
<b>Mixed</b>	55	65	55	60	60	60
<b>Other</b>	15	15	15	20	20	15
<b>Other Asian background</b>	10	25	10	20	15	15
<b>Other Black background</b>	5	0	0	0	0	0
<b>Unknown/Not applicable</b>	300	260	270	315	320	295
<b>White</b>	1615	1430	1245	1185	1130	1320
<b>Total</b>	<b>2085</b>	<b>1880</b>	<b>1655</b>	<b>1665</b>	<b>1635</b>	<b>1785</b>



All Other Years

	2016/17	2017/18	2018/19	2019/20	2020/21	AVG.
<b>Asian or Asian British - Bangladeshi</b>	10	10	5	5	10	10
<b>Asian or Asian British - Indian</b>	50	55	65	60	60	60
<b>Asian or Asian British - Pakistani</b>	25	25	25	20	15	20
<b>Black or Black British - African</b>	70	75	60	40	45	60
<b>Black or Black British - Caribbean</b>	20	15	15	15	15	15
<b>Chinese</b>	30	20	20	30	25	25
<b>Mixed</b>	150	145	145	155	150	150
<b>Other</b>	20	25	25	30	30	25
<b>Other Asian background</b>	30	30	40	30	35	35
<b>Other Black background</b>	10	5	5	5	5	6
<b>Unknown/Not applicable</b>	595	635	565	630	690	625
<b>White</b>	4240	3980	3515	3310	2980	3605
<b>Total</b>	5250	5020	4485	4330	4060	<b>4635</b>



Ethnicity + Gender

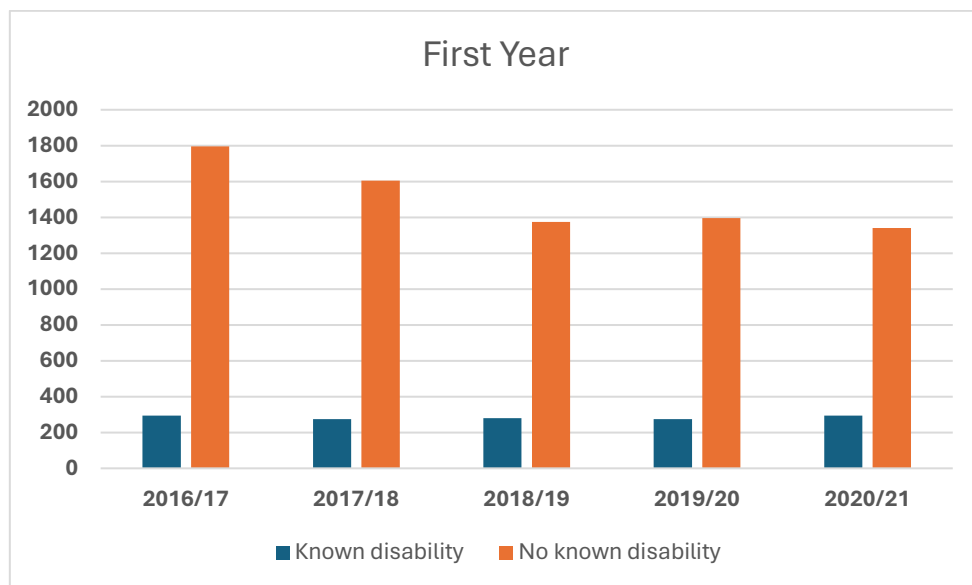
<b>FEMALE</b>	<b>First Year</b>	<b>Other Years</b>	<b>Overall</b>
	<b>Total</b>	<b>Total</b>	<b>Total</b>
<b>Asian or Asian British - Bangladeshi</b>	5	15	20
<b>Asian or Asian British - Indian</b>	25	135	160
<b>Asian or Asian British - Pakistani</b>	5	25	30
<b>Black or Black British - African</b>	20	100	120
<b>Black or Black British - Caribbean</b>	10	40	50
<b>Chinese</b>	15	65	80
<b>Mixed</b>	65	315	380
<b>Other</b>	10	50	60
<b>Other Asian background</b>	15	80	95
<b>Other Black background</b>	5	15	20
<b>Unknown/Not applicable</b>	295	1470	1765
<b>White</b>	1365	6825	8190

## STUDENT DISABILITY MARKER

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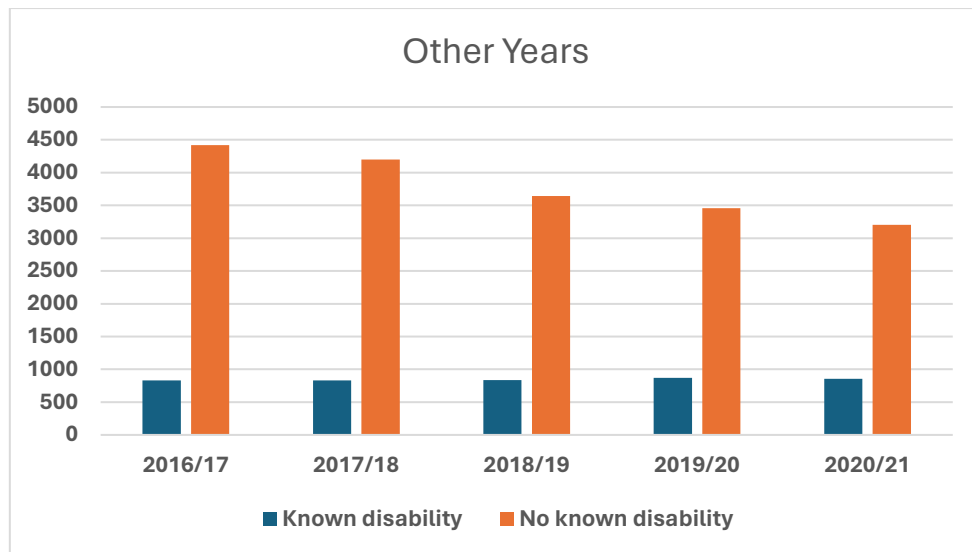
First Year

	2016/17	2017/18	2018/19	2019/20	2020/21	AVG.	%
<b>Known disability</b>	295	275	280	275	295	285	16%
<b>No known disability</b>	1795	1605	1375	1395	1340	1500	84%
<b>Total</b>	<b>2087</b>	<b>1881</b>	<b>1653</b>	<b>1665</b>	<b>1636</b>	<b>1785</b>	



## Other Years

	2016/17	2017/18	2018/19	2019/20	2020/21	AVG.	%
<b>Known disability</b>	830	825	835	870	855	845	18%
<b>No known disability</b>	4420	4195	3645	3455	3205	3785	82%
<b>Total</b>	5250	5025	4480	4325	4060	<b>4630</b>	

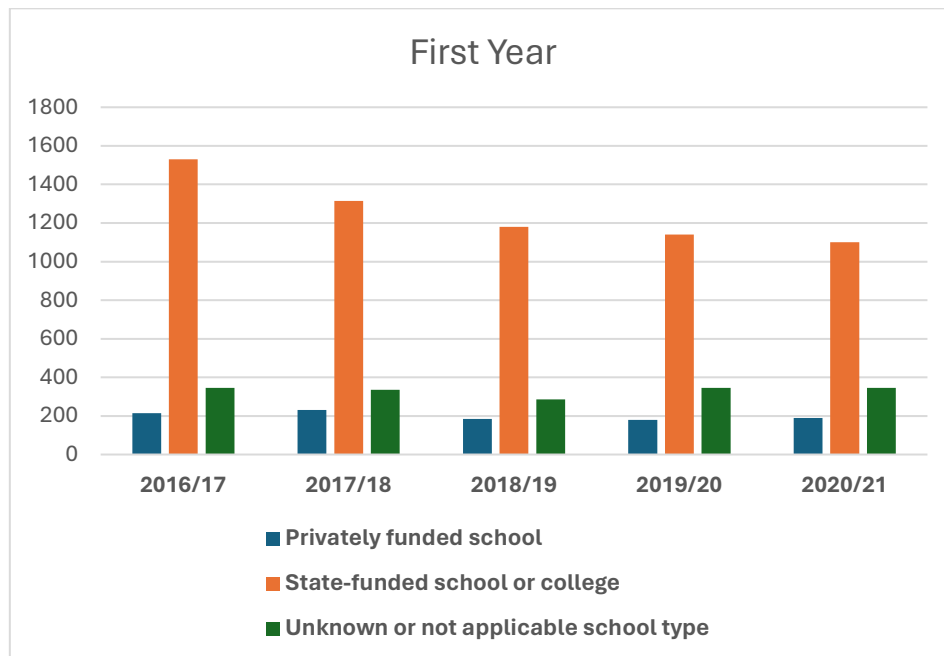


## STATE SCHOOL MARKER

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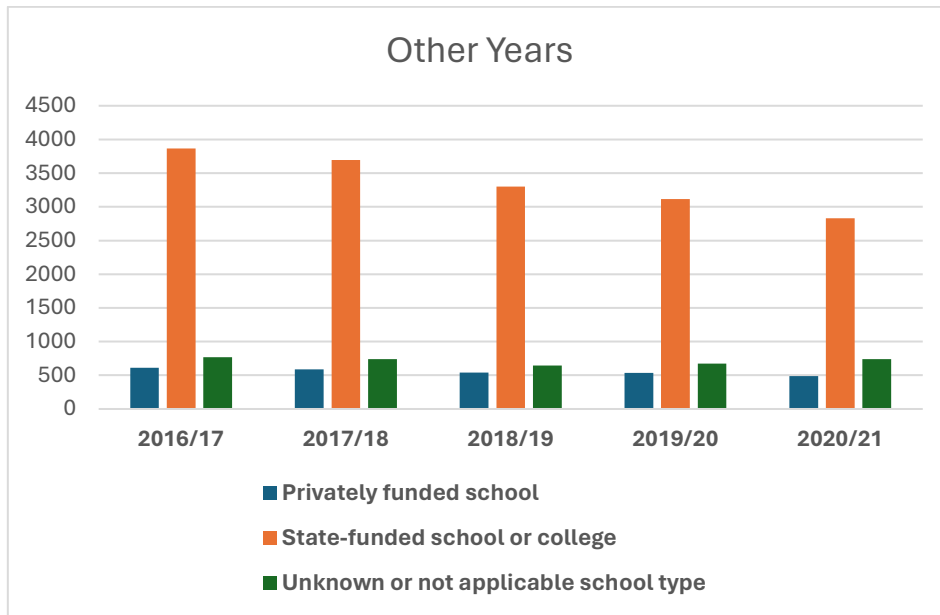
### First Year

	2016/17	2017/18	2018/19	2019/20	2020/21	AVG	%
<b>Privately funded school</b>	215	230	185	180	190	200	11%
<b>State-funded school or college</b>	1530	1315	1180	1140	1100	1255	70%
<b>Unknown or not applicable school type</b>	345	335	285	345	345	330	19%
	<b>2085</b>	<b>1880</b>	<b>1655</b>	<b>1665</b>	<b>1635</b>	<b>1785</b>	



### All Other Years

	2016/17	2017/18	2018/19	2019/20	2020/21	AVG.	%
<b>Privately funded school</b>	610	590	540	535	490	555	12%
<b>State-funded school or college</b>	3865	3695	3300	3115	2830	3360	73%
<b>Unknown or not applicable school type</b>	770	740	645	675	740	715	15%
	<b>5245</b>	<b>5025</b>	<b>4480</b>	<b>4325</b>	<b>4060</b>	<b>4630</b>	

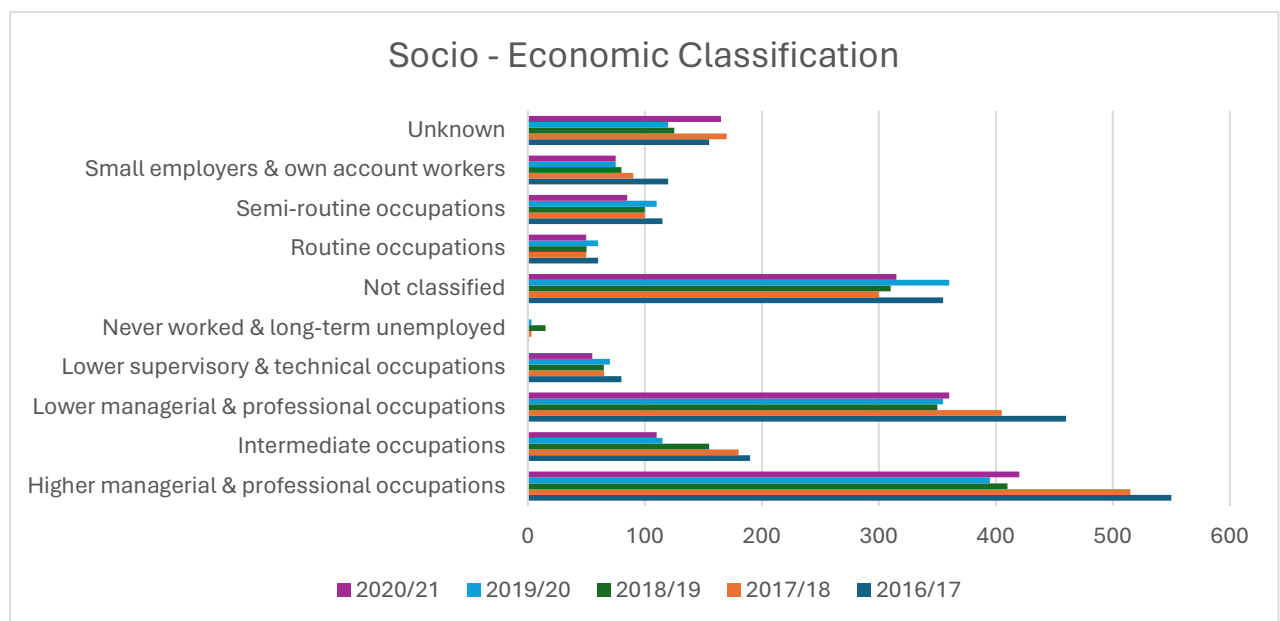




## SOCIO-ECONOMIC BACKGROUND OF STUDENTS' PARENTS

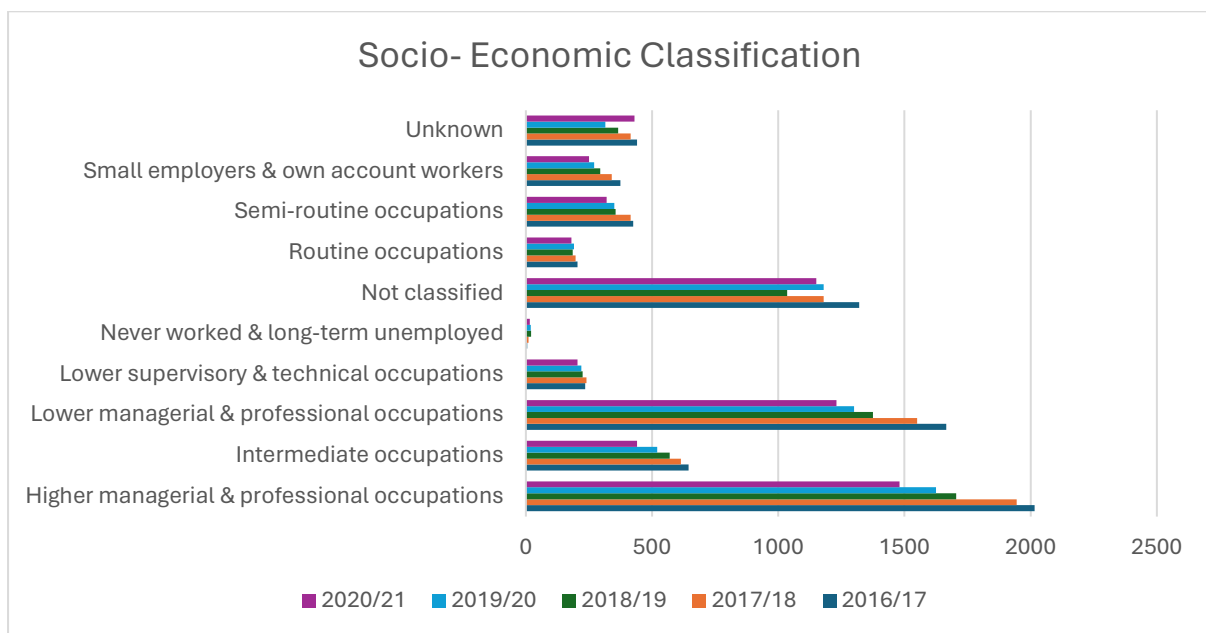
First year students

	2016/17	2017/18	2018/19	2019/20	2020/21
<b>Higher managerial &amp; professional occupations</b>	550	515	410	395	420
<b>Intermediate occupations</b>	190	180	155	115	110
<b>Lower managerial &amp; professional occupations</b>	460	405	350	355	360
<b>Lower supervisory &amp; technical occupations</b>	80	65	65	70	55
<b>Never worked &amp; long-term unemployed</b>	*	*	15	*	0
<b>Not classified</b>	355	300	310	360	315
<b>Routine occupations</b>	60	50	50	60	50
<b>Semi-routine occupations</b>	115	100	100	110	85
<b>Small employers &amp; own account workers</b>	120	90	80	75	75
<b>Unknown</b>	155	170	125	120	165



In total (including first year)

	2016/17	2017/18	2018/19	2019/20	2020/21
<b>Higher managerial &amp; professional occupations</b>	2015	1945	1705	1625	1480
<b>Intermediate occupations</b>	645	615	570	520	440
<b>Lower managerial &amp; professional occupations</b>	1665	1550	1375	1300	1230
<b>Lower supervisory &amp; technical occupations</b>	235	240	225	220	205
<b>Never worked &amp; long-term unemployed</b>	5	10	20	20	15
<b>Not classified</b>	1320	1180	1035	1180	1150
<b>Routine occupations</b>	205	195	185	190	180
<b>Semi-routine occupations</b>	425	415	355	350	320
<b>Small employers &amp; own account workers</b>	375	340	295	270	250
<b>Unknown</b>	440	415	365	315	430



## UNDERGRADUATE ENROLMENT BY HIGHER EDUCATION PROVIDER

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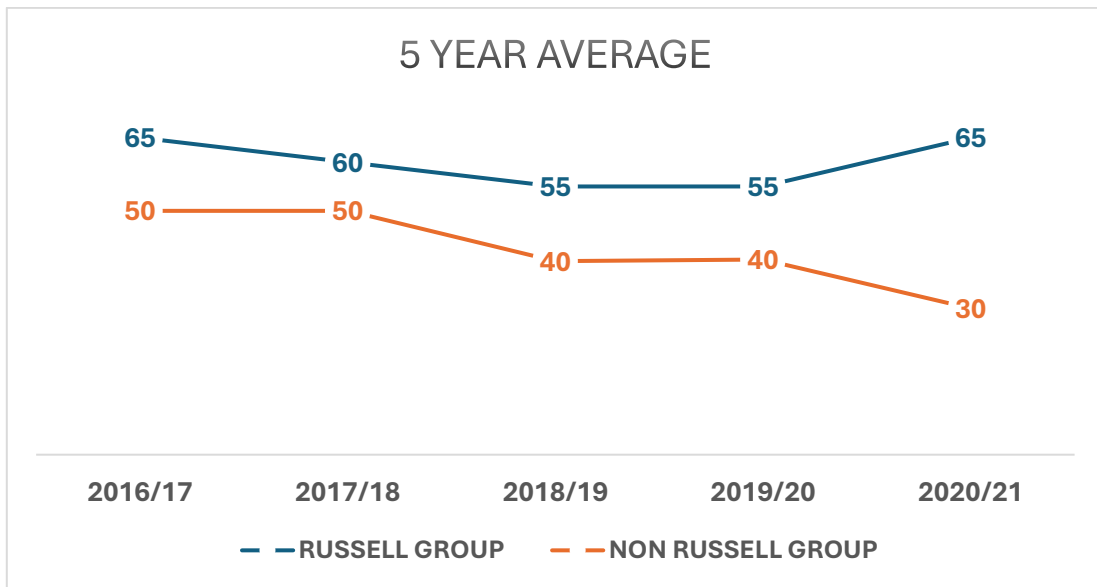
### Russel Group

	REGION	2016/17	2017/18	2018/19	2019/20	2020/21	AVG.
<b>University of Birmingham</b>	West Midlands (England)	60	40	40	55	45	<b>50</b>
<b>University of Bristol</b>	South West (England)	70	80	80	75	90	<b>80</b>
<b>University of Cambridge</b>	East (England)	?	?	?	115	120	
<b>University of Cardiff</b>	Wales	95	80	80	90	75	<b>85</b>
<b>Durham University</b>	North East (England)	80	70	85	75	80	<b>80</b>
<b>University of Edinburgh</b>	Scotland	90	70	60	40	50	<b>60</b>
<b>University of Exeter</b>	South West (England)	40	55	25	30	30	<b>35</b>
<b>University of Glasgow</b>	Scotland	35	30	40	25	40	<b>35</b>
<b>Imperial College London</b>	London	75	85	65	70	75	<b>75</b>
<b>University of Leeds</b>	Yorkshire and The Humber	85	80	70	45	55	<b>65</b>
<b>University of Liverpool</b>	North West (England)	105	90	75	55	55	<b>75</b>
<b>University College London</b>	London	40	60	45	65	70	<b>55</b>
<b>University of Manchester</b>	North West (England)	60	25	35	35	70	<b>45</b>
<b>Newcastle University</b>	North East (England)	25	20	20	25	25	<b>20</b>
<b>University of Nottingham</b>	East Midlands (England)	*	10	10	10	?	<b>10</b>
<b>University of Oxford</b>	South East (England)	30	30	35	35	40	<b>35</b>
<b>University of Southampton</b>	South East (England)	150	105	125	70	95	<b>110</b>
	<b>AVERAGE</b>	65	60	55	55	65	

## Non-Russel Group

	REGION	2016/17	2017/18	2018/19	2019/20	2020/21	AVG.
<b>University of Brighton</b>	South East (England)	40	25	20	25	?	<b>25</b>
<b>Coventry University</b>	West Midlands (England)	15	15	10	20	10	<b>15</b>
<b>University of Derby</b>	East Midlands (England)	85	75	45	30	25	<b>50</b>
<b>Edge Hill University</b>	North West (England)	15	10	5	5	10	<b>10</b>
<b>University of East Anglia</b>	East (England)	25	50	45	20	15	<b>30</b>
<b>Heriot-Watt University</b>	Scotland	?	?	?	?	?	
<b>University of Hull</b>	Yorkshire and The Humber	55	35	30	20	15	<b>30</b>
<b>Keele University</b>	West Midlands (England)	45	25	25	30	15	<b>30</b>
<b>Kingston University</b>	London	20	15	5	?	?	<b>15</b>
<b>University of Lancaster</b>	North West (England)	?	?	?	?	?	
<b>University of Leicester</b>	East Midlands (England)	95	85	45	35	40	<b>60</b>
<b>Open University</b>		?	?	?	?	5	
<b>University of Plymouth</b>	South West (England)	185	225	160	165	155	<b>180</b>
<b>University of Portsmouth</b>	South East (England)	115	95	120	110	75	<b>105</b>
<b>University of Reading</b>	South East (England)	20	20	10	10	15	<b>15</b>
<b>Royal Holloway</b>	London	85	70	45	35	35	<b>55</b>
<b>University of South Wales</b>	Wales	35	30	30	35	10	<b>30</b>
<b>University of St. Andrews</b>	Scotland	35	30	25	30	40	<b>30</b>
<b>Swansea University</b>	Wales	15	10	5	10	?	<b>10</b>
<b>Ulster University</b>	Northern Ireland	5	*	?	?	?	
	<b>AVERAGE</b>	50	50	40	40	30	

	2016/17	2017/18	2018/19	2019/20	2020/21
RUSSELL GROUP	65	60	55	55	65
NON-RUSSELL GROUP	50	50	40	40	30



## UNDERGRADUATE ENROLMENT BY REGION

<b>EAST ENGLAND</b>		<b>2016/17</b>	<b>2017/18</b>	<b>2018/19</b>	<b>2019/20</b>	<b>2020/21</b>	<b>AVG.</b>
University of Cambridge	RUSSELL GROUP	?	?	?	115	120	
University of East Anglia	NON RUSSELL GROUP	25	50	45	20	15	<b>30</b>
	AVERAGE	25	50	45	70	70	

<b>EAST MIDLANDS</b>		<b>2016/17</b>	<b>2017/18</b>	<b>2018/19</b>	<b>2019/20</b>	<b>2020/21</b>	<b>AVG.</b>
University of Derby	NON RUSSELL GROUP	85	75	45	30	25	<b>50</b>
University of Leicester	NON RUSSELL GROUP	95	85	45	35	40	<b>60</b>
University of Nottingham	RUSSELL GROUP	?	10	10	10	?	<b>10</b>
	AVERAGE	90	55	35	25	35	

<b>LONDON</b>		<b>2016/17</b>	<b>2017/18</b>	<b>2018/19</b>	<b>2019/20</b>	<b>2020/21</b>	<b>AVG.</b>
Imperial College London	RUSSELL GROUP	75	85	65	70	75	<b>75</b>
Kingston University	NON RUSSELL GROUP	20	15	5	?	?	<b>15</b>
University College London	RUSSELL GROUP	40	60	45	65	70	<b>55</b>
Royal Holloway	NON RUSSELL GROUP	85	70	45	35	35	<b>55</b>
	AVERAGE	55	60	40	55	60	

<b>NORTH EAST</b>		<b>2016/17</b>	<b>2017/18</b>	<b>2018/19</b>	<b>2019/20</b>	<b>2020/21</b>	<b>AVG.</b>
Durham University	RUSSELL GROUP	80	70	85	75	80	<b>80</b>
Newcastle University	RUSSELL GROUP	25	20	20	25	25	<b>20</b>
	AVERAGE	55	45	55	50	55	

<b>NORTH WEST</b>		<b>2016/17</b>	<b>2017/18</b>	<b>2018/19</b>	<b>2019/20</b>	<b>2020/21</b>	<b>AVG.</b>
Edge Hill University	NON RUSSELL GROUP	15	10	5	5	10	<b>10</b>
University of Lancaster	NON RUSSELL GROUP	?	?	?	?	?	
University of Liverpool	RUSSELL GROUP	105	90	75	55	55	<b>75</b>
University of Manchester	RUSSELL GROUP	60	25	35	35	70	<b>45</b>
	AVERAGE	60	40	40	30	45	

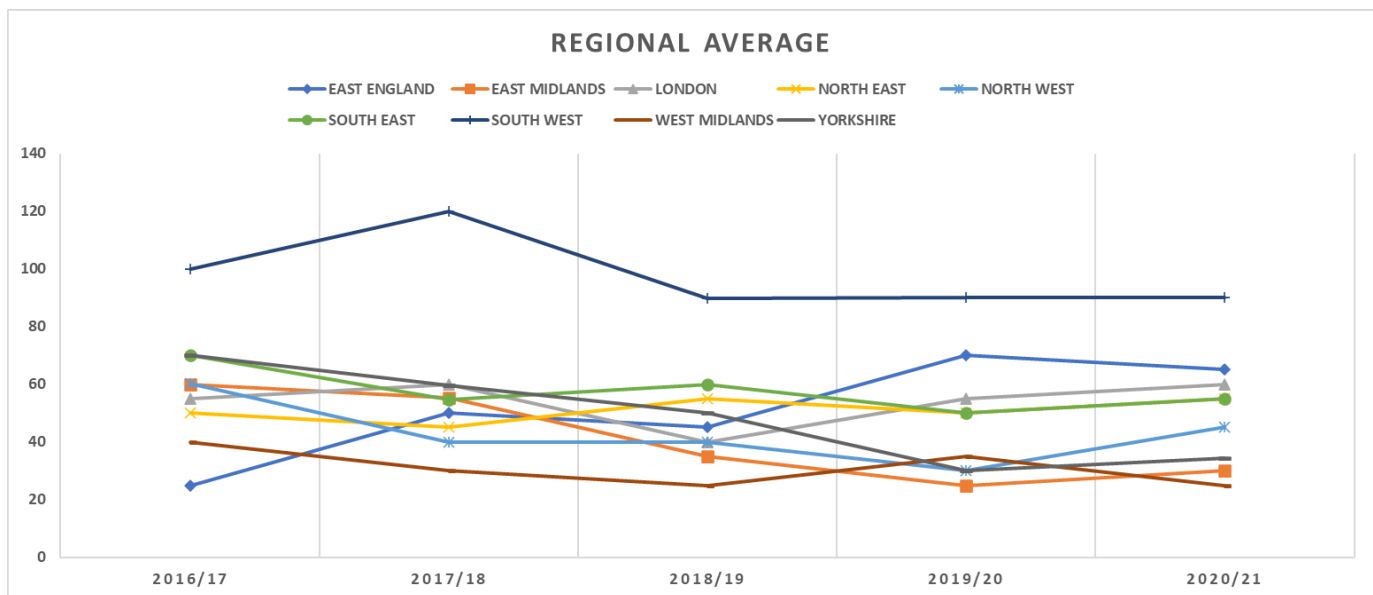
<b>SOUTH EAST</b>		<b>2016/17</b>	<b>2017/18</b>	<b>2018/19</b>	<b>2019/20</b>	<b>2020/21</b>	<b>AVG.</b>
University of Brighton	NON RUSSELL GROUP	40	25	20	25	?	<b>25</b>
University of Oxford	RUSSELL GROUP	30	30	35	35	40	<b>35</b>
University of Portsmouth	NON RUSSELL GROUP	115	95	120	110	74	<b>105</b>
University of Reading	NON RUSSELL GROUP	20	20	10	10	15	<b>15</b>
University of Southampton	RUSSELL GROUP	150	105	125	70	100	<b>110</b>
	AVERAGE	70	55	60	50	55	

<b>SOUTH WEST</b>		<b>2016/17</b>	<b>2017/18</b>	<b>2018/19</b>	<b>2019/20</b>	<b>2020/21</b>	<b>AVG.</b>
University of Bristol	RUSSELL GROUP	70	80	80	75	90	<b>80</b>
University of Exeter	RUSSELL GROUP	40	55	25	30	30	<b>35</b>
University of Plymouth	NON RUSSELL GROUP	185	225	160	165	155	<b>180</b>
	AVERAGE	100	120	90	90	90	

WEST MIDLANDS		2016/17	2017/18	2018/19	2019/20	2020/21	AVG.
University of Birmingham	RUSSELL GROUP	60	40	40	55	45	<b>50</b>
Coventry University	NON RUSSELL GROUP	15	15	10	20	10	<b>15</b>
Keele University	NON RUSSELL GROUP	45	25	25	30	15	<b>30</b>
	AVERAGE	40	25	25	35	25	

YORKSHIRE AND THE HUMBER		2016/17	2017/18	2018/19	2019/20	2020/21	AVG.
University of Hull	NON RUSSELL GROUP	55	35	30	20	15	<b>30</b>
University of Leeds	RUSSELL GROUP	85	80	70	45	55	<b>65</b>
	AVERAGE	70	60	50	35	35	

	2016/17	2017/18	2018/19	2019/20	2020/21
EAST ENGLAND	25	50	45	70	65
EAST MIDLANDS	60	55	35	25	30
LONDON	55	60	40	55	60
NORTH EAST	50	45	55	50	55
NORTH WEST	60	40	40	30	45
SOUTH EAST	70	55	60	50	55
SOUTH WEST	100	120	90	90	90
WEST MIDLANDS	40	30	25	35	25
YORKSHIRE	70	60	50	30	35



<b>SCOTLAND</b>		<b>2016/17</b>	<b>2017/18</b>	<b>2018/19</b>	<b>2019/20</b>	<b>2020/21</b>	<b>AVG.</b>
University of Aberdeen	NON RUSSELL GROUP	60	25	20	20	20	<b>30</b>
University of Edinburgh	RUSSELL GROUP	90	70	60	40	50	<b>60</b>
University of Glasgow	RUSSELL GROUP	35	30	40	25	40	<b>35</b>
Heriot-Watt University	NON RUSSELL GROUP	?	?	?	?	?	
University of St. Andrews	NON RUSSELL GROUP	35	30	25	30	40	<b>30</b>
AVERAGE		55	40	35	30	40	

<b>WALES</b>		<b>2016/17</b>	<b>2017/18</b>	<b>2018/19</b>	<b>2019/20</b>	<b>2020/21</b>	<b>AVG.</b>
Aberystwyth University	NON RUSSELL GROUP	15	15	10	10	10	<b>15</b>
Bangor University	NON RUSSELL GROUP	40	30	30	45	40	<b>35</b>
University of Cardiff	RUSSELL GROUP	95	80	80	90	75	<b>85</b>
University of South Wales	NON RUSSELL GROUP	35	30	30	35	10	<b>30</b>
Swansea University	NON RUSSELL GROUP	15	10	5	10	5	<b>10</b>
AVERAGE		40	35	30	40	30	

	<b>2016/17</b>	<b>2017/18</b>	<b>2018/19</b>	<b>2019/20</b>	<b>2020/21</b>
SCOTLAND	55	40	35	30	35
WALES	40	35	30	40	25

