

Cambridge City Local Authority District Labour Market and Skills Profile

This area profile has been produced to provide a series of metrics on the labour market and skills profiles for Cambridge City. These profiles should be used for information purposes only

Produced by Cambridgeshire County Council Policy and Insight Team
on behalf of Cambridgeshire and Peterborough Combined Authority

Cambridge – Key Definitions

Term	Definition
Attainment 8 Score (Key Stage 4)	Overall measure of pupil GCSE level attainment at state-funded mainstream schools in England. A higher attainment 8 score means higher overall attainment.
Average Point Score (Key Stage 5)	An overall measure of pupil attainment at Key Stage 5 where points are assigned based on qualification and grade , a higher score means higher overall attainment
Consumer Price Index including Owner Occupier Housing Costs (CPIH)	Headline measure of inflation used by the Office for National Statistics
Economically Active	Employed or unemployed and available or seeking work
Economically Inactive	Unemployed and not available for or actively seeking work
Employment Rate	Proportion of total 16-64 population who are employed
Middle Layer Super Output Area (MSOA)	A geographical as defined in the 2021 Census. They comprise between 2,000 and 6,000 households and have a usually resident population between 5,000 and 15,000 persons. MSOAs fit within local authorities.
Unemployment Rate	Proportion of total 16-64 <i>economically active</i> population who are unemployed

Cambridge – Data Sources

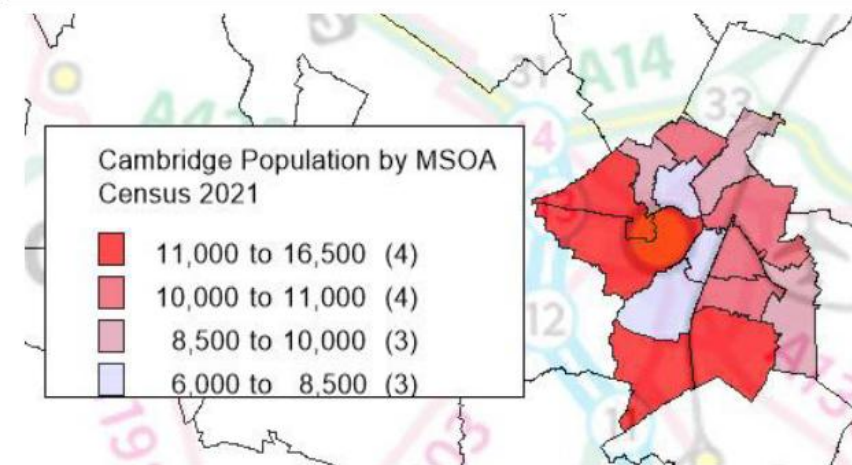
Source	Publisher	Reference Time Period	Description of Source	Profile Metrics
Annual Population Survey	Office for National Statistics	January – December 2022	Residence based labour market survey, updated quarterly	Employment Rate
				Unemployment Rate
Annual Survey of Hours and Earnings	Office for National Statistics	2020 to 2022	Survey conducted in April of each year to obtain information about the levels, distribution and make-up of earnings and hours worked for employees.	Weekly Median Wage
				Wage Growth
Census 2021	Office for National Statistics	2021	Data from the 2021 Census carried out on 21 March 2021	Population
				Highest Level of Qualification
				Economic Inactivity and Reason for Inactivity
				Sector of Employment
Income Deprivation Affecting Children Index	Department for Levelling Up, House and Communities	2019	Sub-Domain of the Indices of Multiple Deprivation which measures the proportion of children aged 0-15 who lived in income deprived households in 2019	Income Deprivation Affecting Children Index
Individualised Learner Record	Education and Skills Funding Agency	2021/22 Academic Year (Aug '21 – July '22)	Central data collection from further education colleges and other	Further Education and Skills
				Apprenticeships
School Attainment	Department for Education	2021/22 Academic Year (Aug '21 – July '22)	Key stage 4 and Key Stage 5 assessment measures for state funded schools and colleges in England	Key Stage 4 Attainment 8 Score
				Key Stage 5 Average Point Score
Sustained Destination Data	Department for Education	2021/22 Academic Year (Aug '21 – July '22)	Information on the sustained destinations of learners in the 2020/21 academic year who completed their study in 2019/20	Sustained destination of Key Stage 4 and Key Stage 5 Learners
Vacancies Information	Lightcast	2022	Collation of data on online job postings and vacancies information	Total Vacancies/ Job Postings
				Vacancies/Job Postings by Sector

Cambridge – Population Overview and Existing Skills Levels

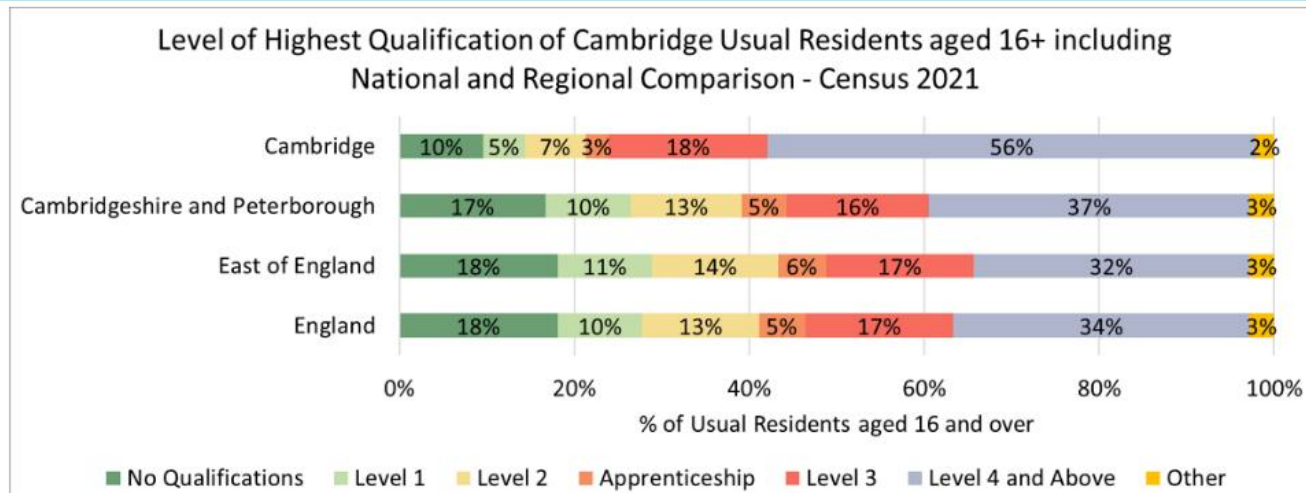
Total Population – Census 2021

145,674

16% of Cambridgeshire and Peterborough's Population
+17.6% higher than 2011



Highest Level of Qualification (16+ Population) – Census 2021

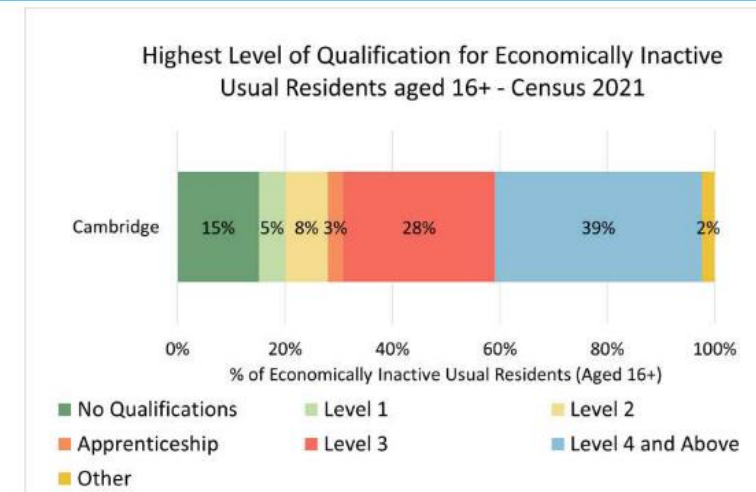
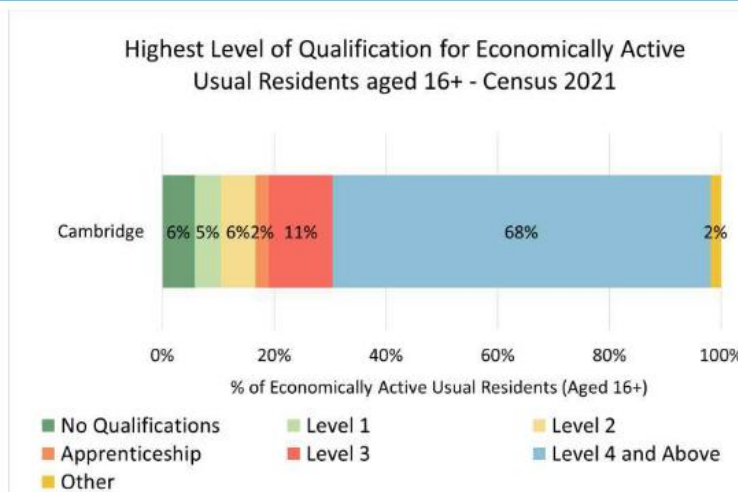
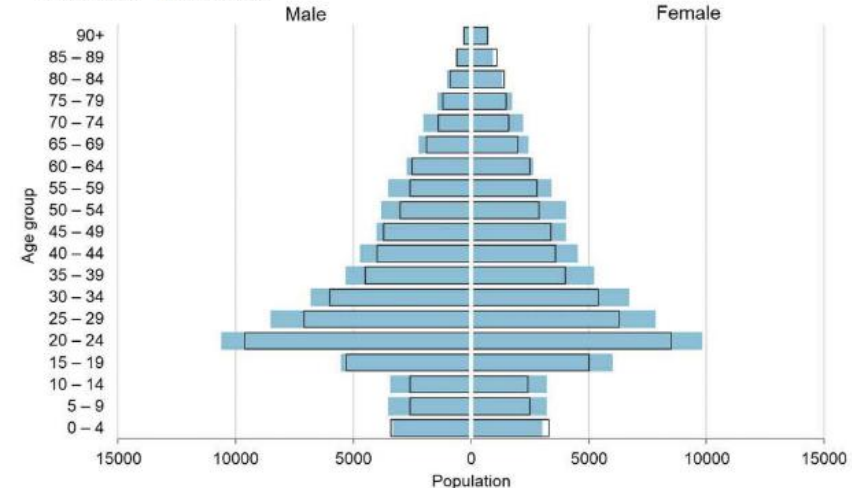


Cambridge has a much higher proportion of residents with level 4+ qualifications (56%) than Cambridgeshire and Peterborough (37%) and England (34%)

Economically Active (16+ Population)

Economically Inactive (16+ Population)

Cambridge Census 2021 and Census 2011 population by sex and age group



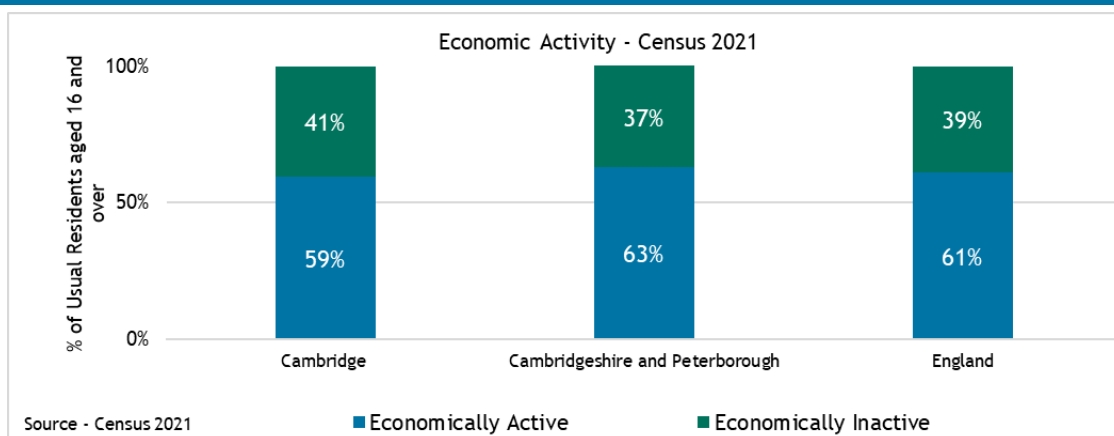
Employment and Unemployment Rate – Annual Population Survey 2022

Geography	Employment Rate	Unemployment Rate
Cambridge	78.2%	3.0%
Cambridgeshire and Peterborough	80.1%	2.9%
England	75.8%	3.7%

Employment and Vacancies by Sector

Top Ten Employment Sectors - Census 2021		
Employment Industry	Number Employed	Percentage of Total
Education	15,145	21%
Human health and Social Work Activities	10,671	15%
Professional, Scientific and Technical Activities	10,027	14%
Information and Communication	7,118	10%
Wholesale and Retail Trade; Repair of Motor Vehicles and motorcycles	6,076	9%
Manufacturing	3,853	5%
Accommodation and food service activities	3,653	5%
Other	2,955	4%
Administrative and support service activities	2,663	4%
Construction	2,468	3%

Economic Activity (16+ Population) – Census 2021



Cambridge has a higher proportion of economically inactive residents than England and is 4 percentage points higher than Cambridgeshire and Peterborough

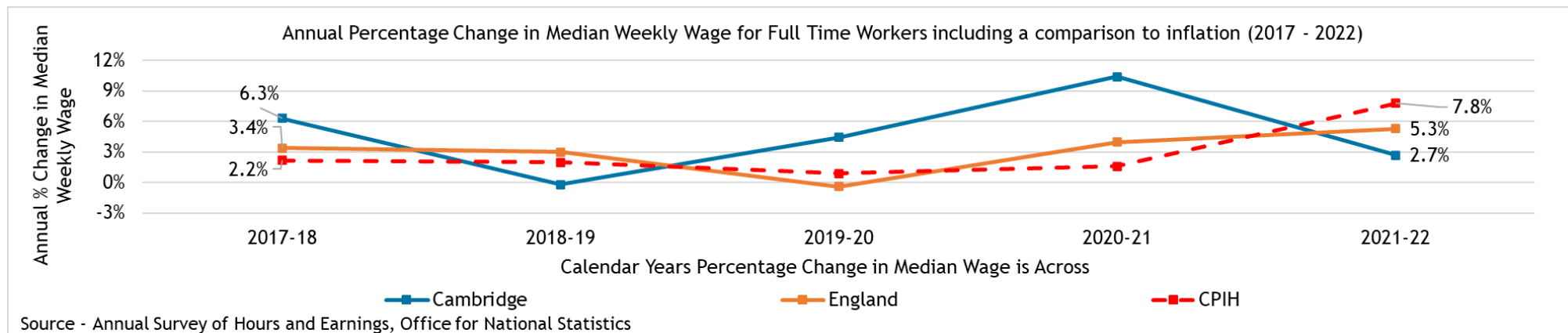
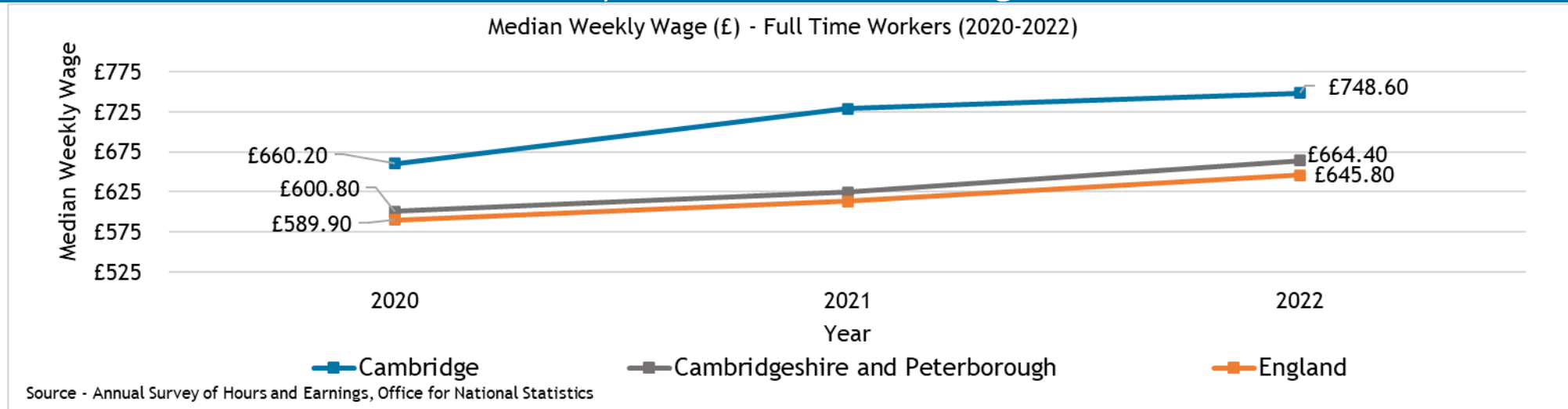
Reason for Economic Inactivity – Census 2021

Reason for Economic Inactivity	% of Economically Inactive Population		
	Cambridge	Cambridgeshire and Peterborough	England
Retired	29%	54%	55%
Student	51%	18%	14%
Looking after Home or Family	8%	12%	12%
Long Term Sick	6%	9%	10%
Other	6%	7%	8%

Top 5 Sectors With Most Vacancies – Lightcast 2022

Total Vacancies		149,998
Employment Sector	Vacancies in 2022	Percentage of Total
Information and Communication	27,018	18%
Human Health and Social Work Activities	14,935	10%
Administrative and Support Service Activities	10,936	7%
Manufacturing	10,087	7%
Professional, Scientific and Technical Activities	9,739	6%

Cambridge – Wages and Wage Growth – Annual Survey of Hours and Earnings 2020-22



The Consumer Price Index including Owner Occupier Housing Costs (CPIH) is the Office for National Statistics' headline inflation statistic
 Note – The inflation figures in the chart above is for April of that year as this is the month the Annual Survey of Hours and Earnings is taken. For example, the 2021-22 figure is inflation as of April 2022

- In 2022, wages in Cambridge were +13% higher than the Cambridgeshire and Peterborough average and +16% higher than the England average
- In 2022, Cambridge wage growth was -5.1% percentage points below CPIH

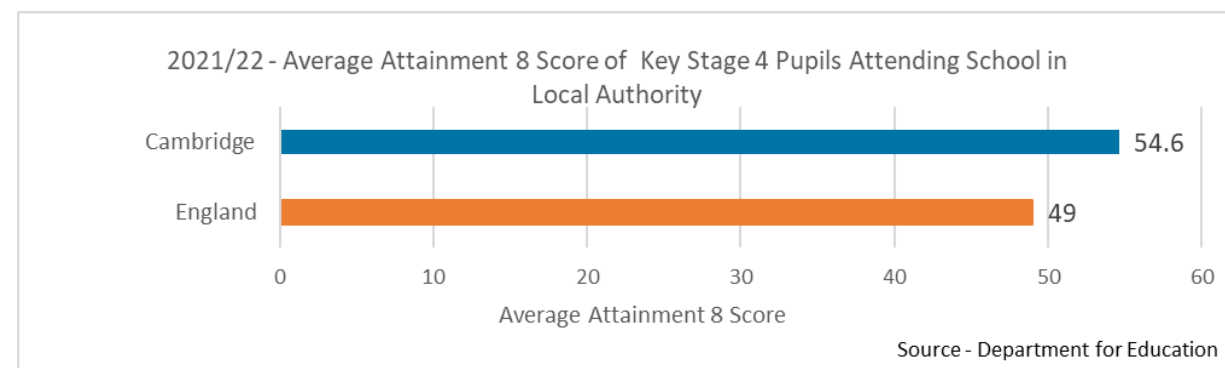
Cambridge – Income Deprivation Affecting Children, Secondary Education Performance and Outcomes

Income Deprivation Affecting Children - 2019

Key Stage 4 School Results – DfE 2021/22 Academic Year

According to the Indices of Multiple Deprivation (2019) Cambridge ranks (where 1 means most relatively deprived and 317 means least relatively deprived):

- **203rd most relatively deprived out of 317** English local authorities in 2019 when looking at children who live in income deprived households.
- This would place Cambridge within **the 40% least deprived local authorities in England when considering income deprivation affecting children**



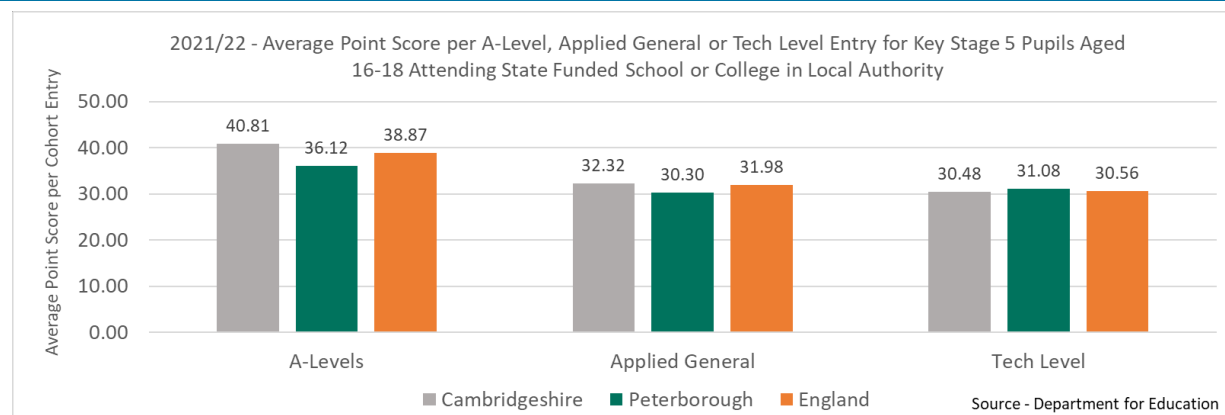
Please note – This information is based on the location of the institution a pupil attended and not necessarily their local authority of residence

Attainment 8 is an overall measure of pupil GCSE level attainment at state-funded mainstream schools in England. A higher attainment 8 score means higher overall attainment.

Key Stage 4 and 5 Sustained Destinations – DfE 2020/21 Academic Year

Key Stage 5 Results – DfE 2021/22 Academic Year

Sustained Destination Type	% of Pupils who Completed Key Stage 4 in 2020	Sustained Destination Type	% of Pupils who Completed Key Stage 5 in 2020
Education	91.5%	Education	55.5%
Apprenticeship	0.9%	Apprenticeship	3.5%
Employment	1.1%	Employment	25.1%
Total with sustained destination	93.5%	Total with sustained destination	84.2%



Please note – This information is based on the location of the institution a pupil attended and not necessarily their local authority of residence

Average Point score is an overall measure of pupil attainment, a higher score means higher overall attainment

Please note – This information is based on the location of the institution a pupil attended and not necessarily their local authority of residence

A destination is counted as sustained if the pupil is recorded as having participated in it for at least 6 months of the destination year (2020/21)

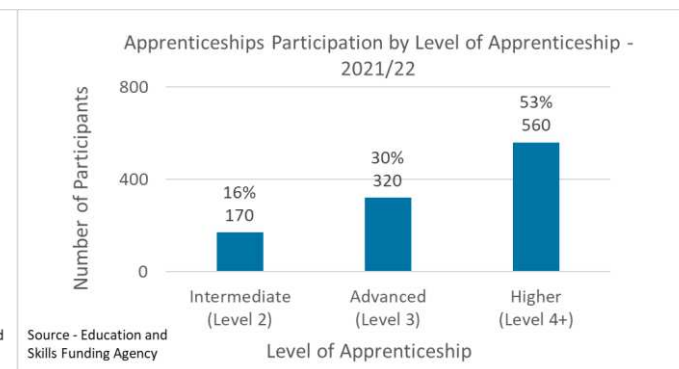
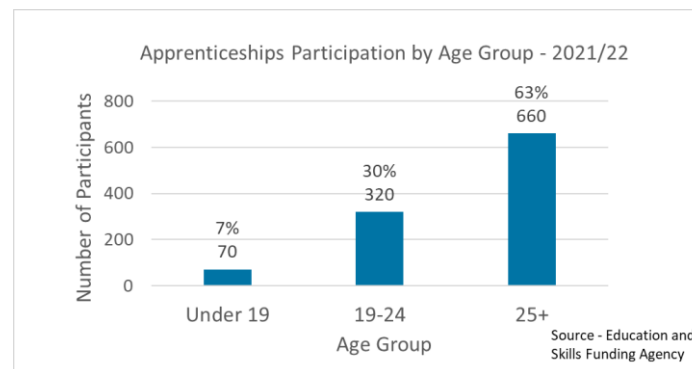
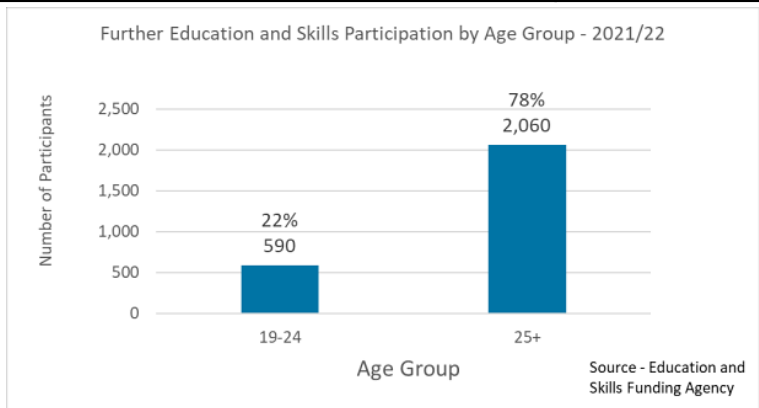
Cambridge – Further Education and Skills (19+) and Apprenticeships (16+) (2021/22 Academic Year)

Further Education and Skills (Aged 19+)

Apprenticeships (Aged 16+)

Further Education and Skills Participants (Attended at least one day of learning with academic year)	2,640 -1% Lower than 2020/21
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Apprenticeship Participants (Attended at least one day of learning with academic year)	1,050 +6% Higher than 2020/21
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Further Education and Skills (19+) Enrolments by Top 5 Subject Sectors (2021/22)

Total Enrolments – 5,501		
Sector	Enrolments	% of Total Enrolments
Preparation for Life and Work	1,773	32%
Health, Public Services and Care	971	18%
Business, Administration and Law	959	17%
Arts, Media and Publishing	332	6%
Information and Communication Technology	324	6%

An Enrolment indicates a learner was taking part in qualification or framework within the given academic year

Apprenticeship (16+) Starts by Top 5 Subject Sectors (2021/22)

Total Starts - 488		
Sector	Starts	% of Total Starts
Business, Administration and Law	156	32%
Health, Public Services and Care	119	24%
Information and Communication Technology	66	14%
Retail and Commercial Enterprise	62	13%
Engineering and Manufacturing Technologies	37	8%

Starts indicate the number of learners who have started an apprenticeship programme within a given year

Note – Publicly available Further Education and Skills data includes Apprenticeships, Community Learning, and Education and Training provision taken at General Further Education Colleges (including Tertiary), Sixth Form Colleges, Special Colleges (Agricultural and Horticultural Colleges, and Art and Design Colleges), Specialist Colleges and External Institutions for participants aged 19 and over. Apprenticeship data includes information on all participants aged 16 and above. Because a participant can enrol in multiple qualifications throughout a year under different categories, the total number of participants may not equal the sum of any one category, enrolments for further education will be higher than the number of participants