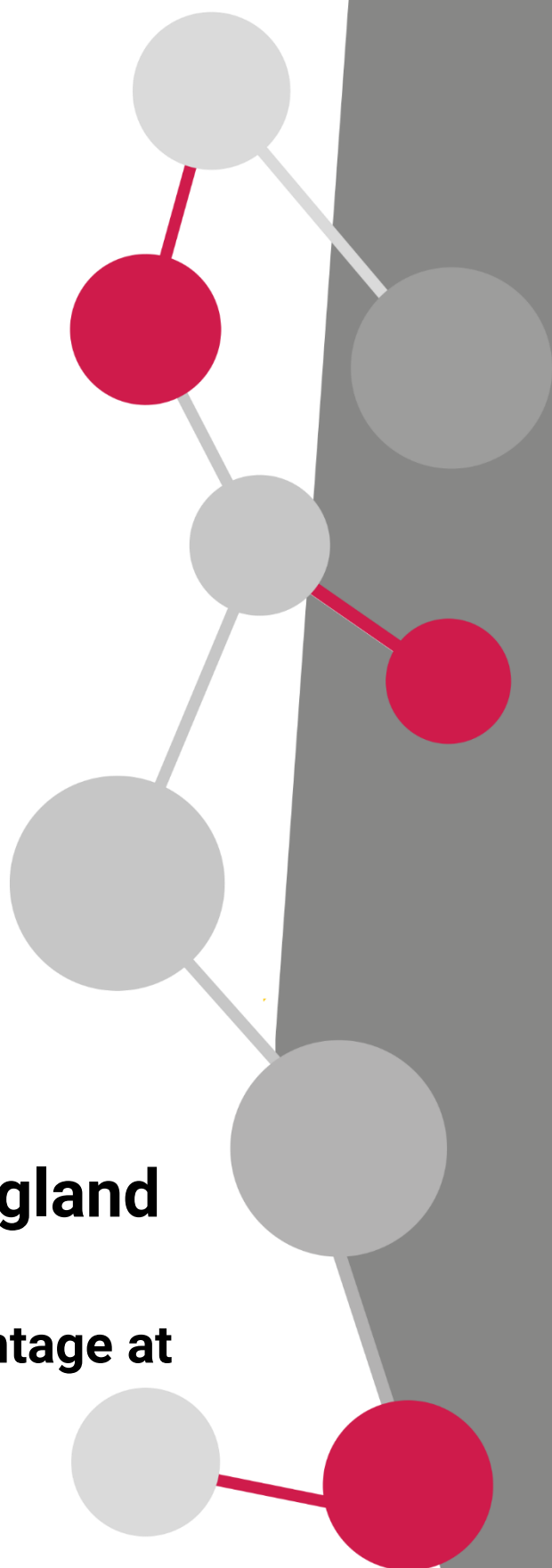


Science Education in England

**Ethnicity, Gender and Disadvantage at
GCSE and A level**





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Overview

This report presents full data from STEM Learning’s Science Education in England report. The analysis uses data from the Department for Education’s National Pupil Database (NPD) to explore the effects of gender, disadvantage and ethnicity on entries and attainment in science subjects at GCSE (key stage 4) and A level (key stage 5) in 2019.

At GCSE, the report shows entries and attainment in science, including the separate sciences, Combined Science and Computer Science. For comparison, the report also shows data from English and Mathematics GCSEs.

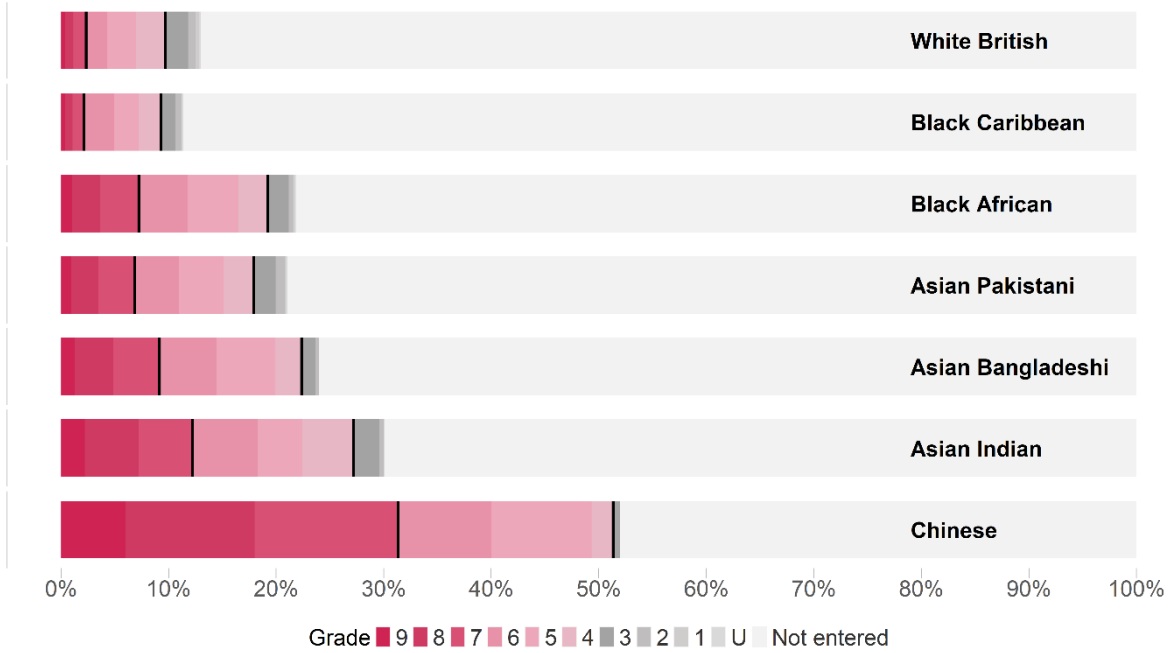
At A Level, the report shows entries and attainment in science, as well as Computing. For comparison, the report also shows data from Mathematics, as the subject with the highest number of student entries.



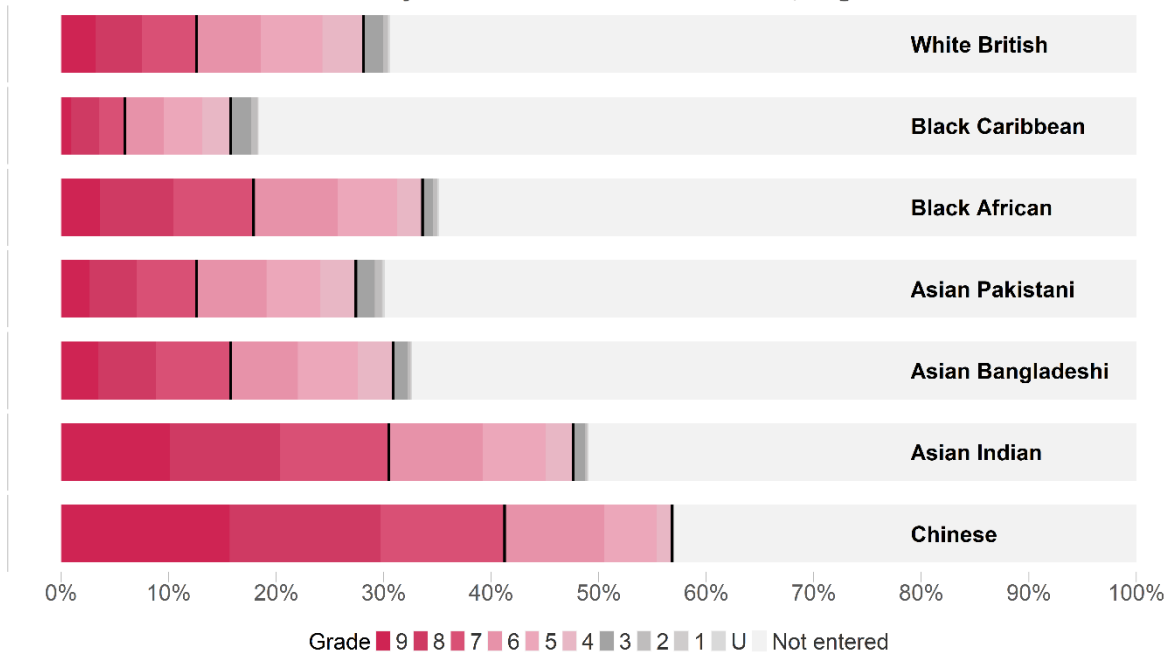
GCSE

Physics

GCSE Physics - FSM Female Students, England

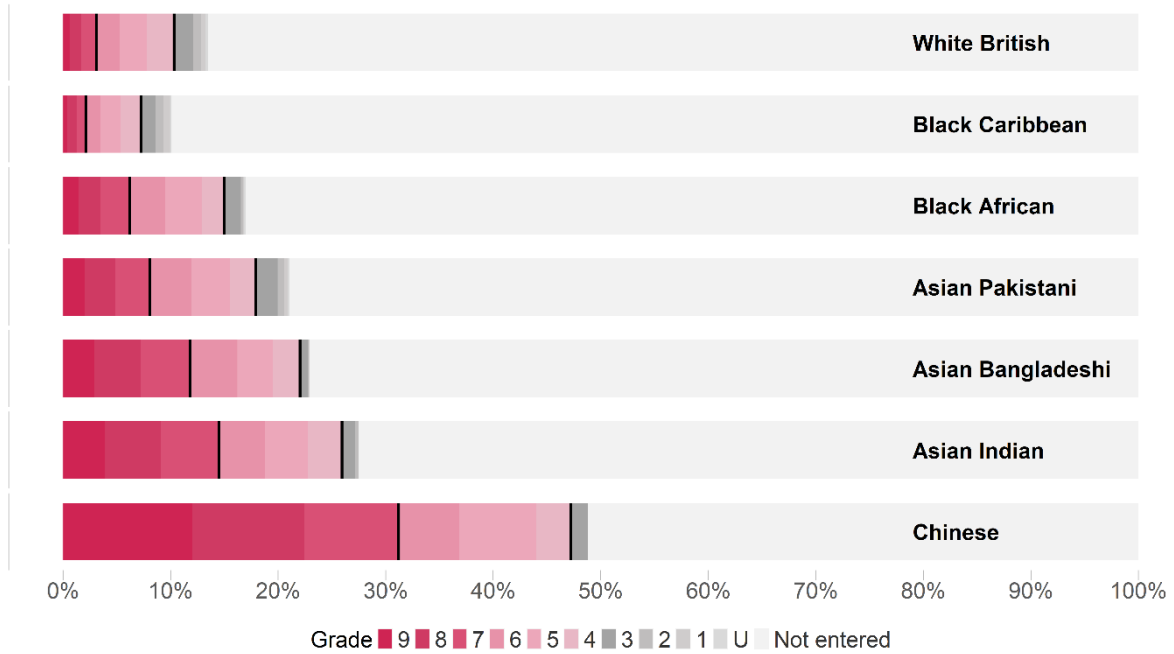


GCSE Physics - Non-FSM Female Students, England

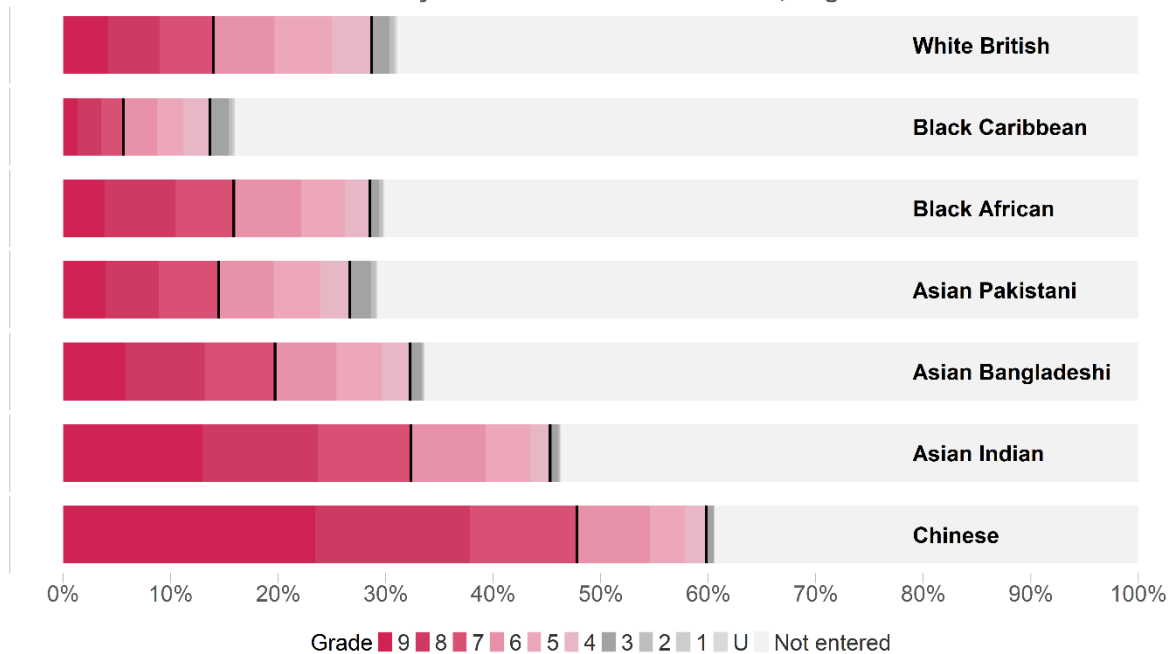




GCSE Physics - FSM Male Students, England

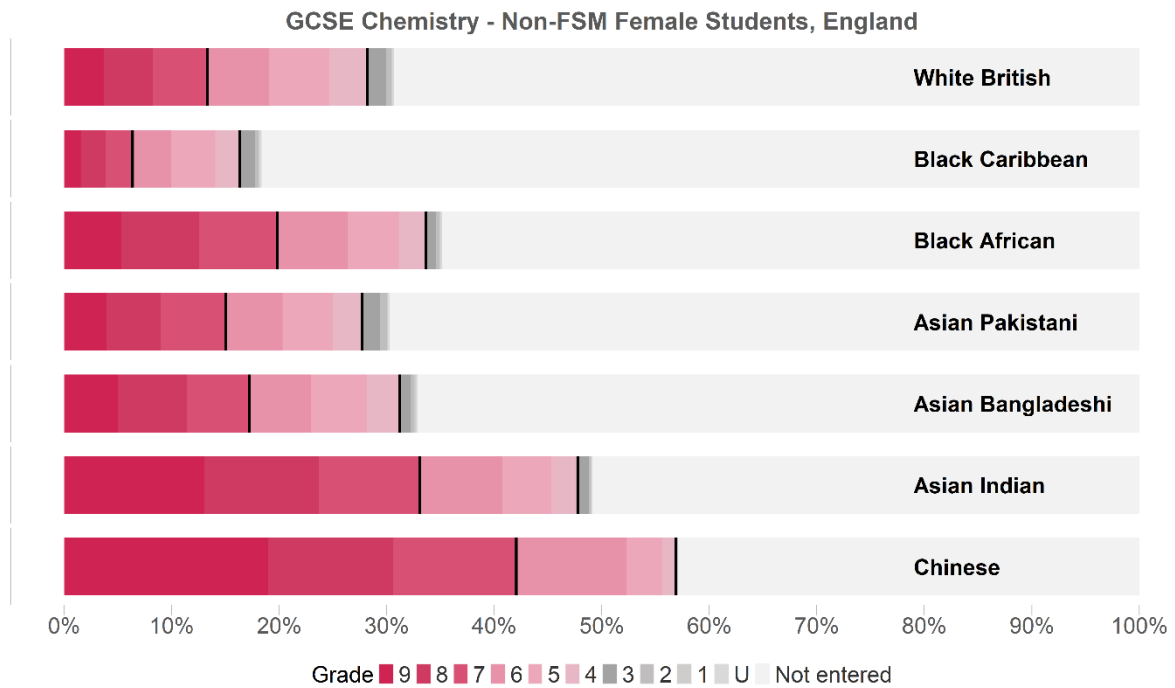
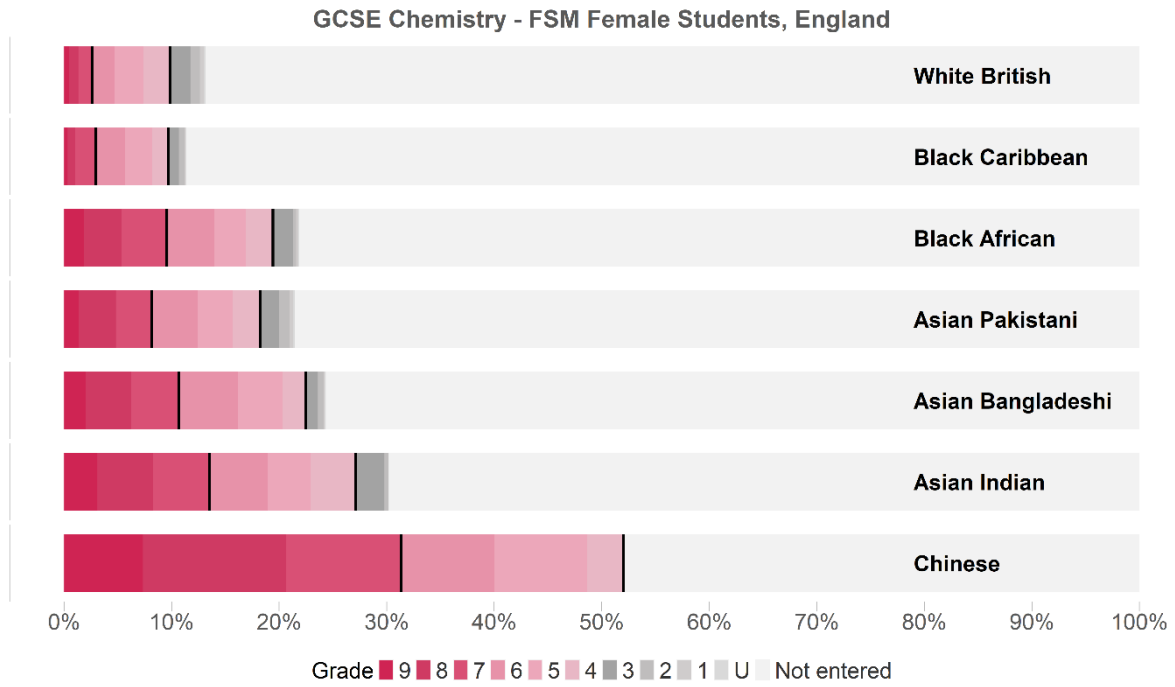


GCSE Physics - Non-FSM Male Students, England



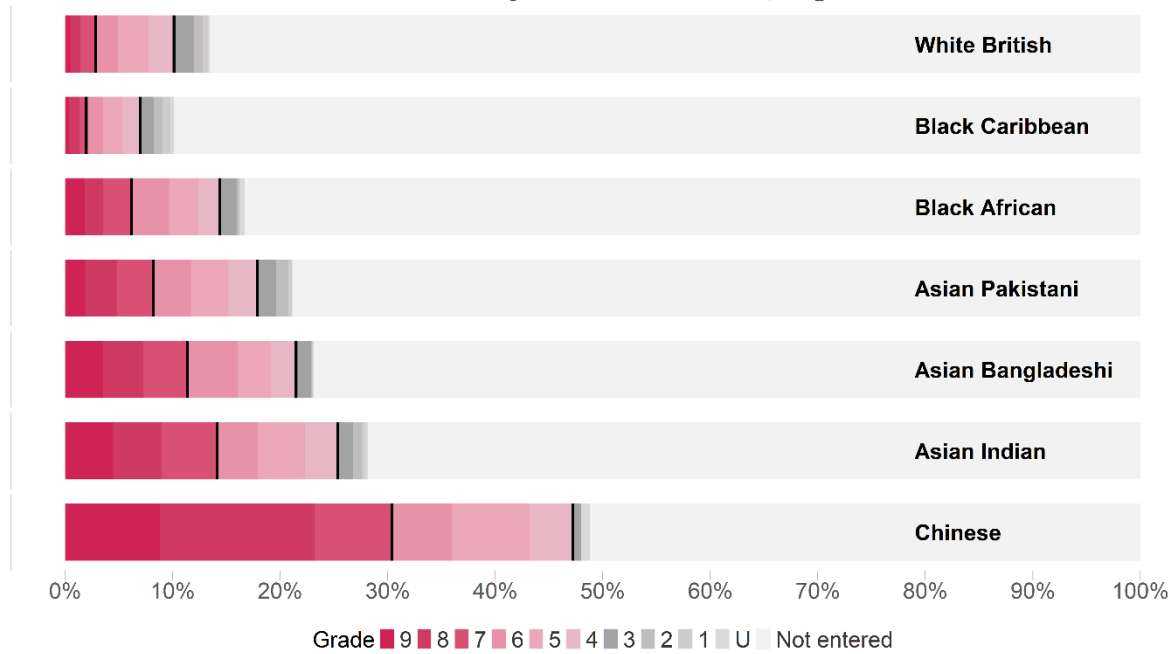


Chemistry

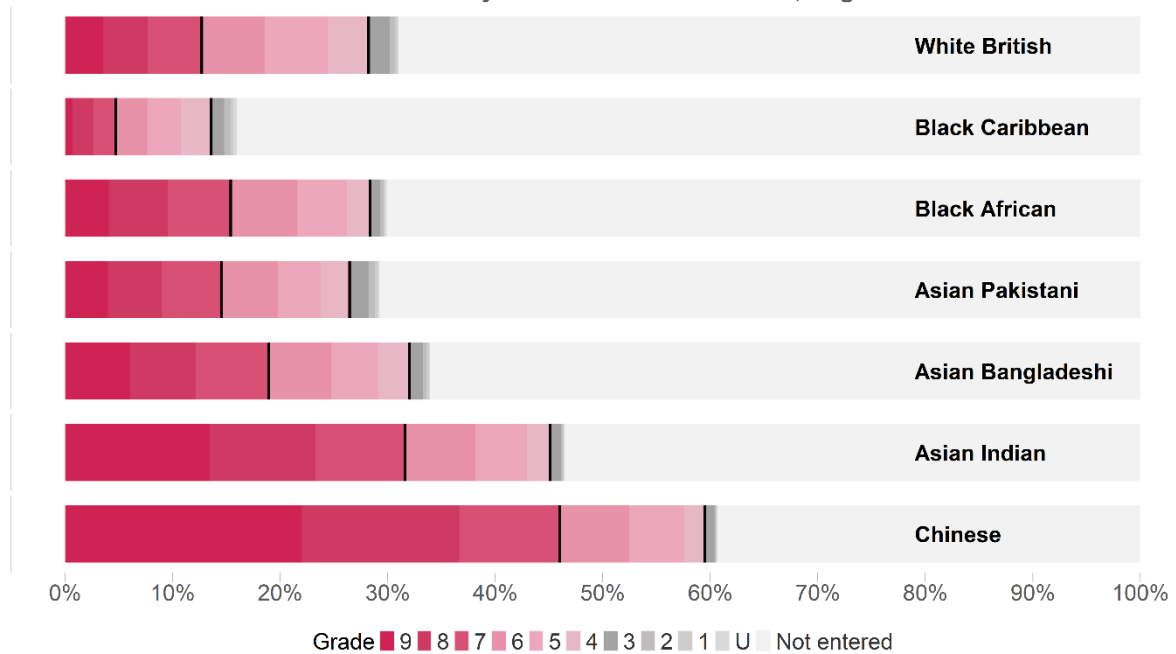




GCSE Chemistry - FSM Male Students, England

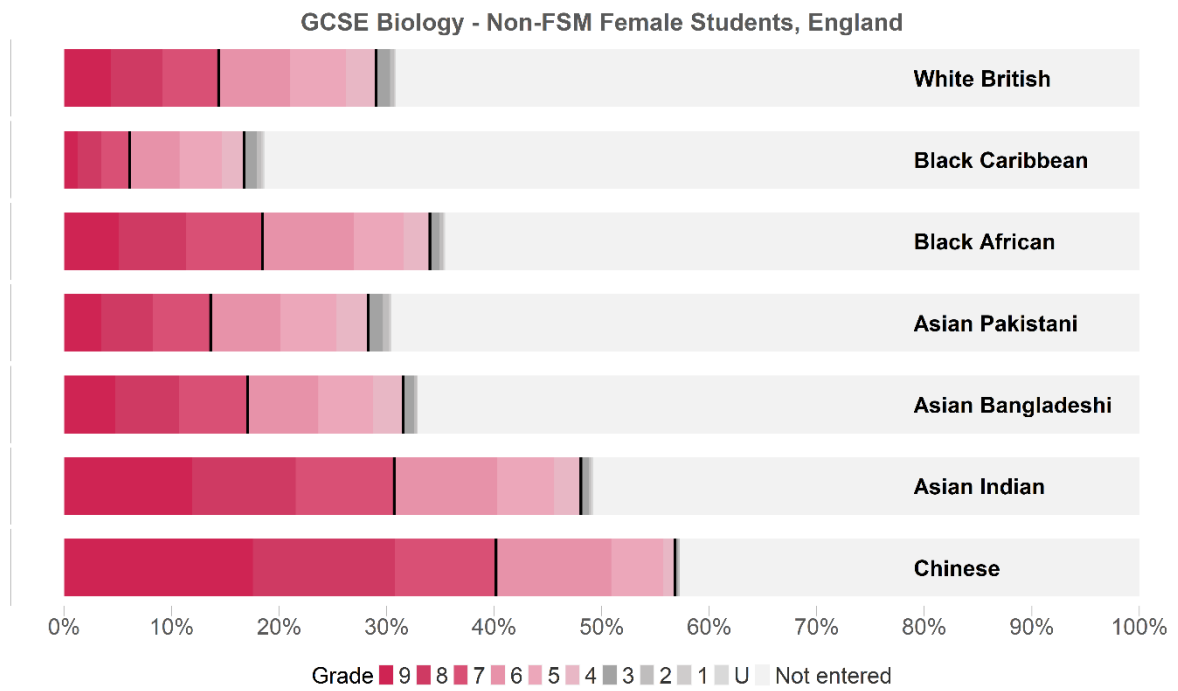
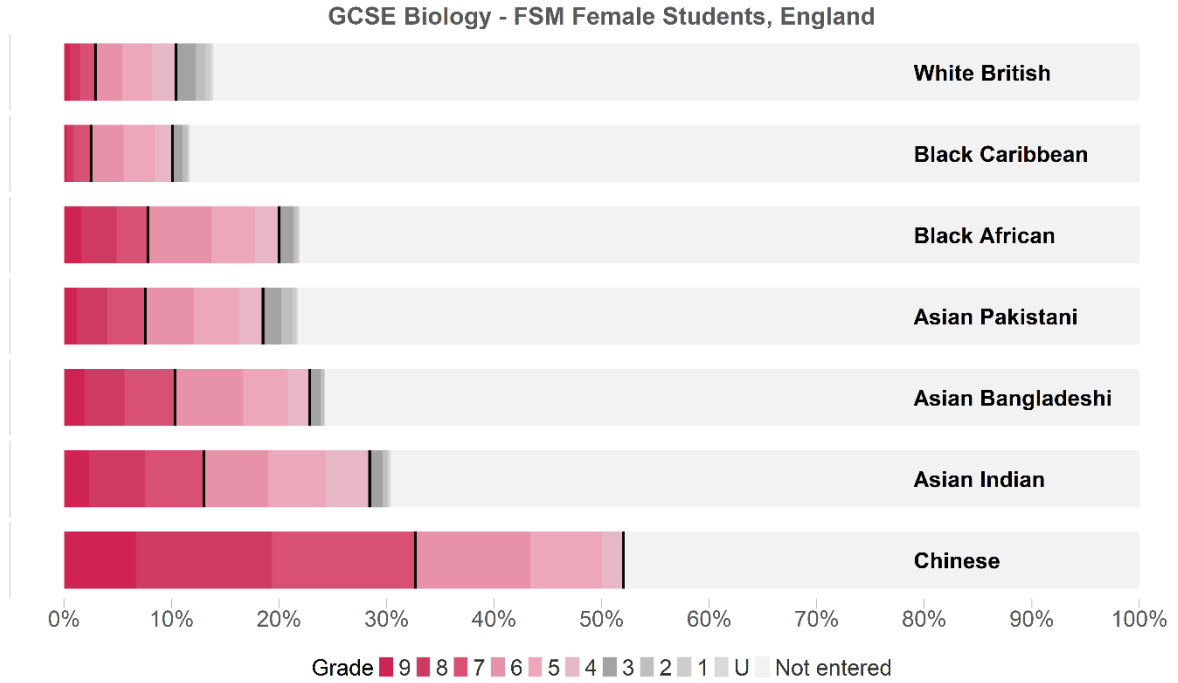


GCSE Chemistry - Non-FSM Male Students, England



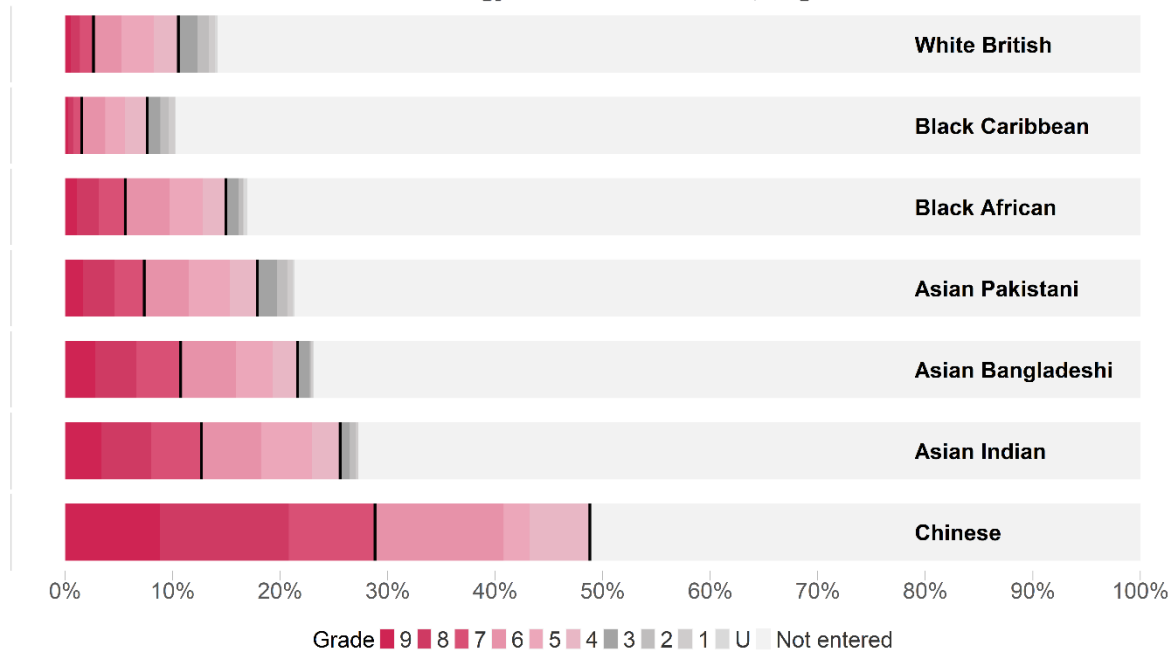


Biology

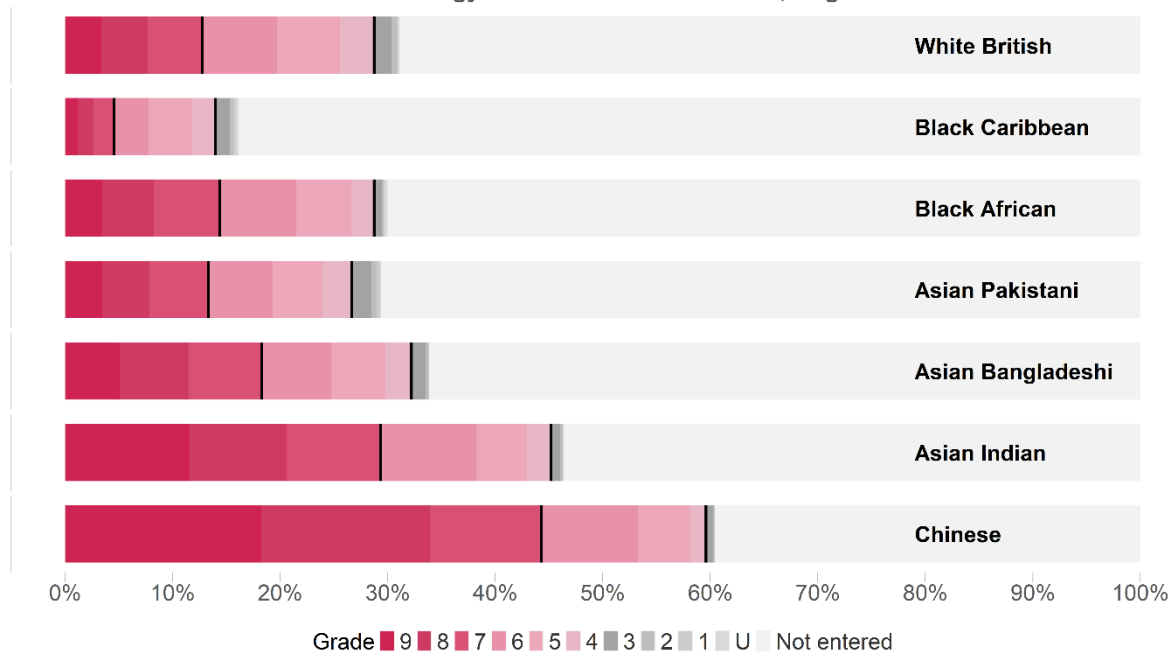




GCSE Biology - FSM Male Students, England

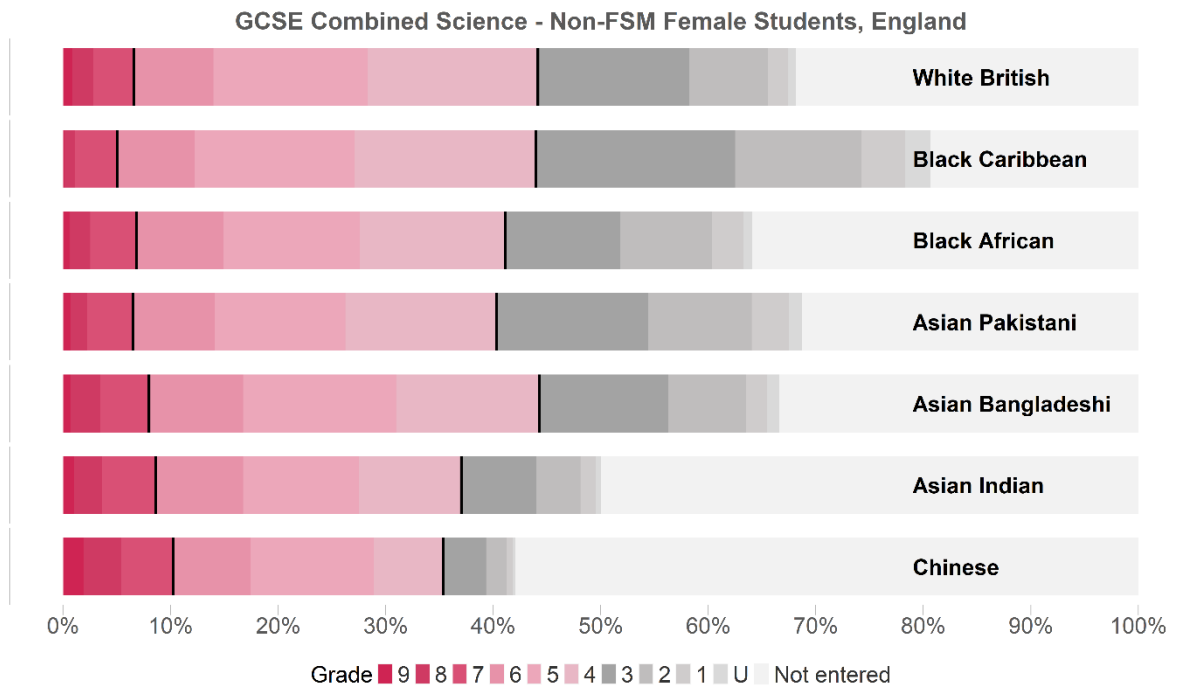
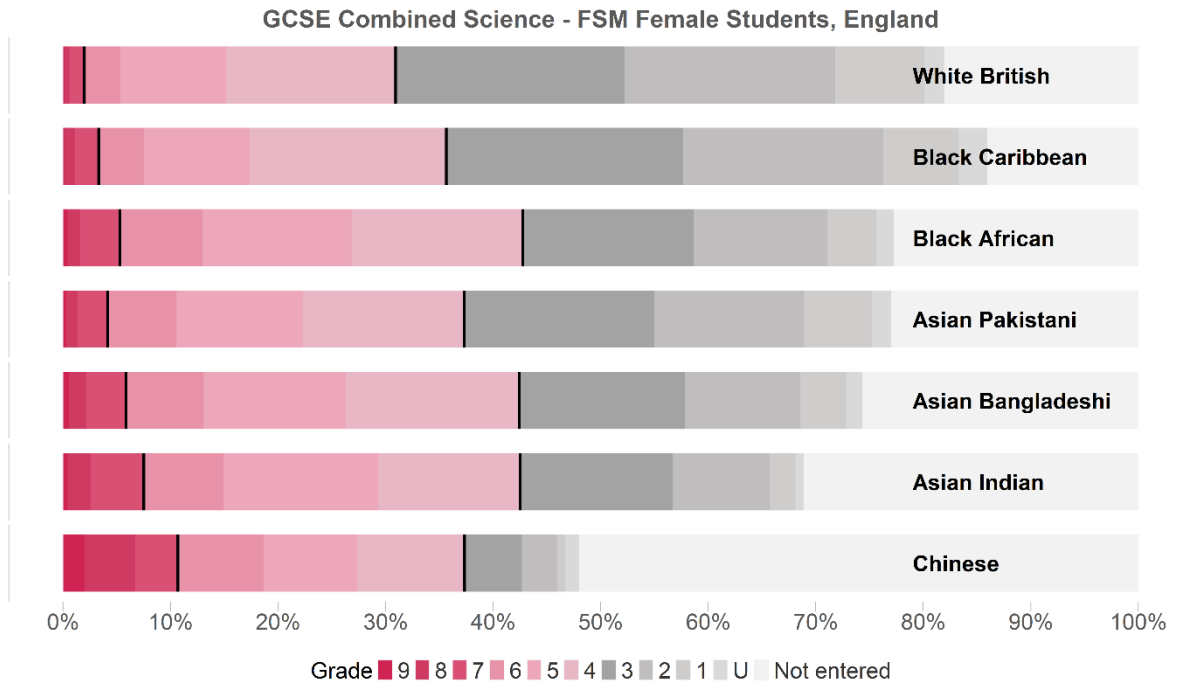


GCSE Biology - Non-FSM Male Students, England



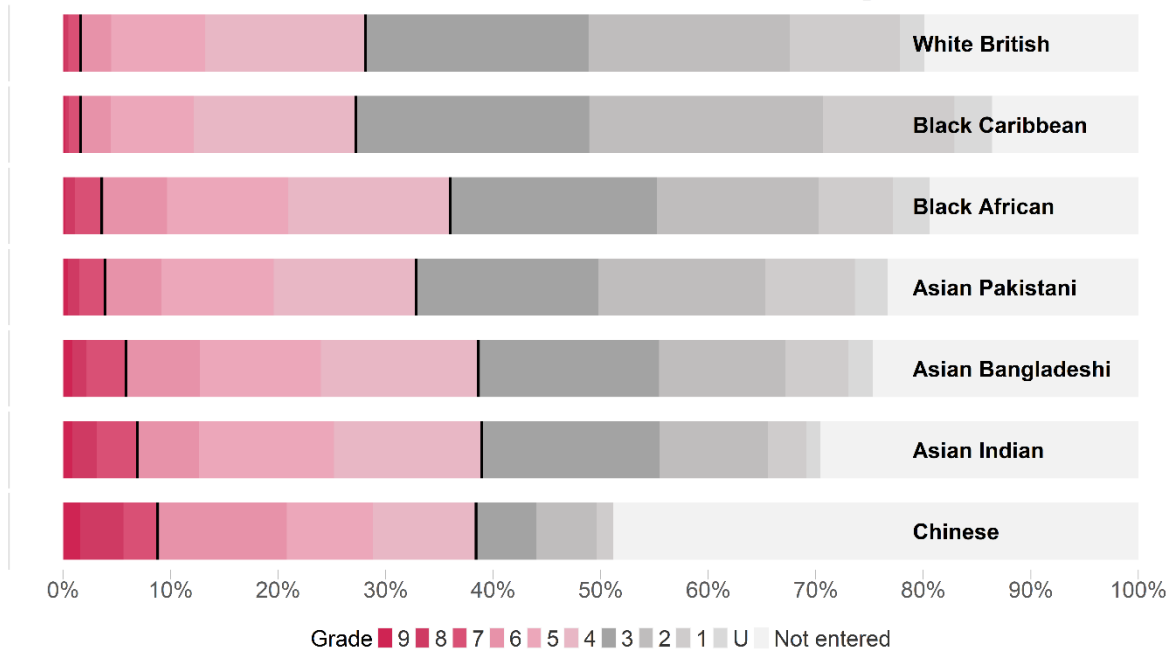


Combined Science

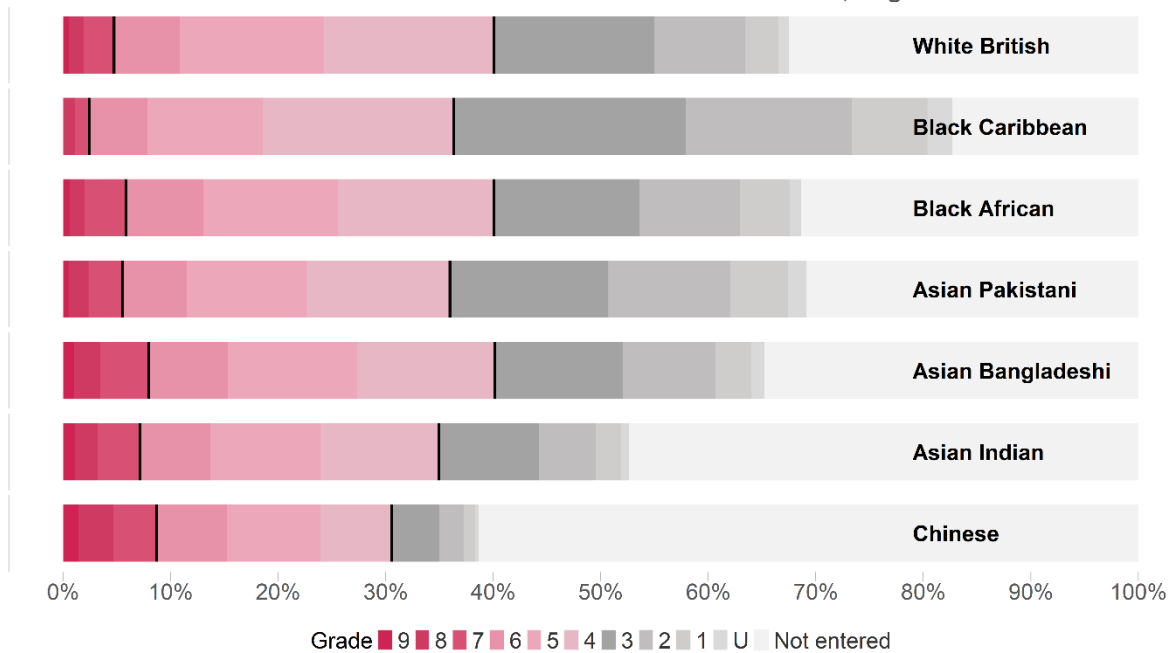




GCSE Combined Science - FSM Male Students, England

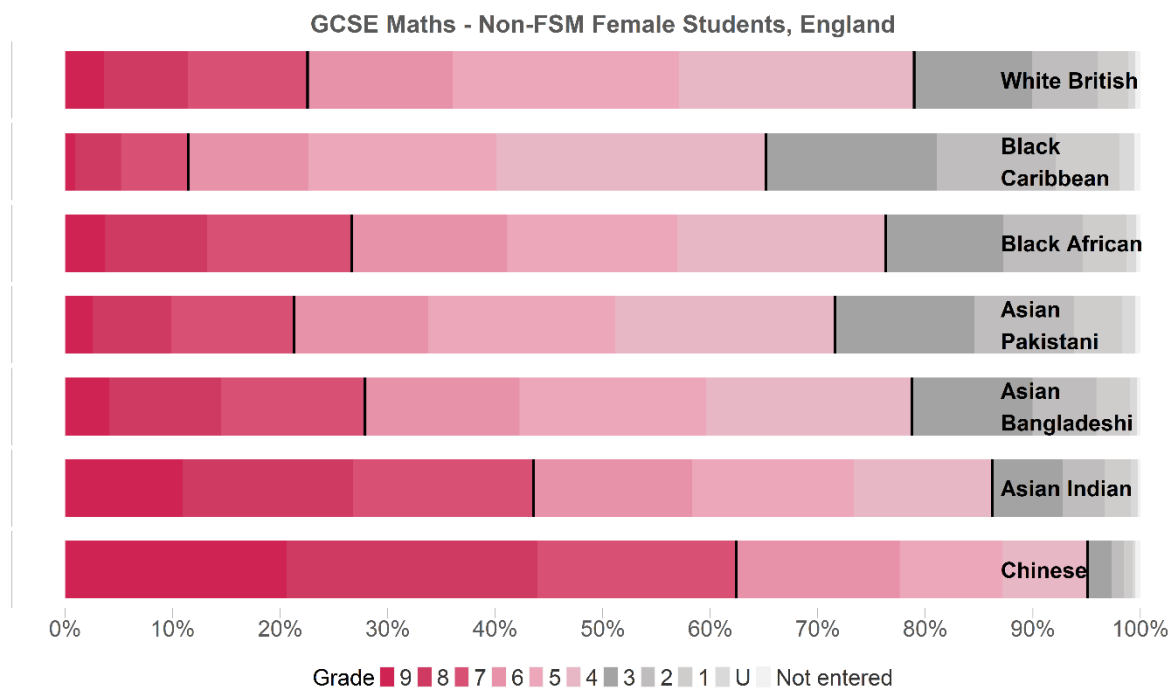
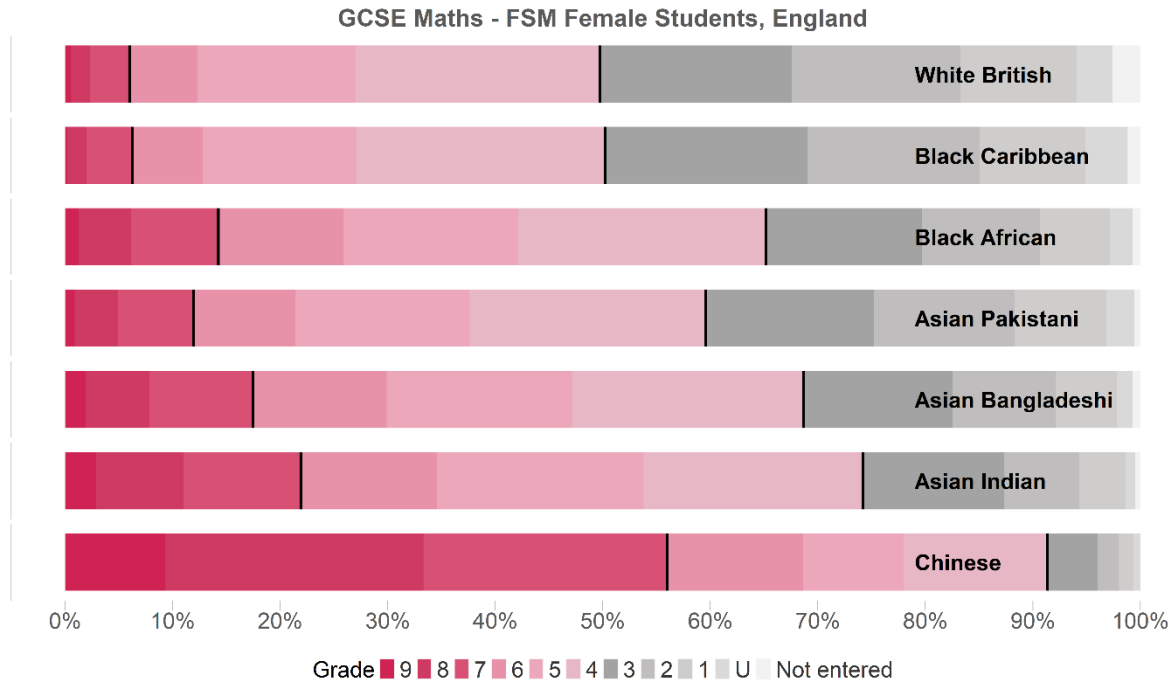


GCSE Combined Science - Non-FSM Male Students, England



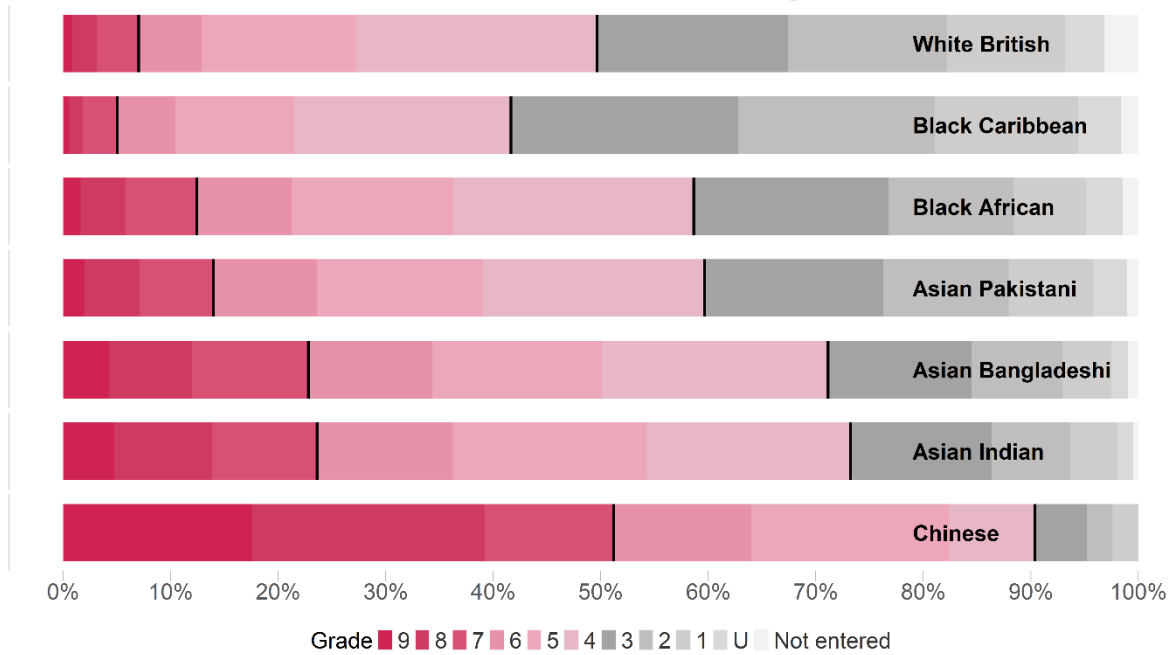


Maths

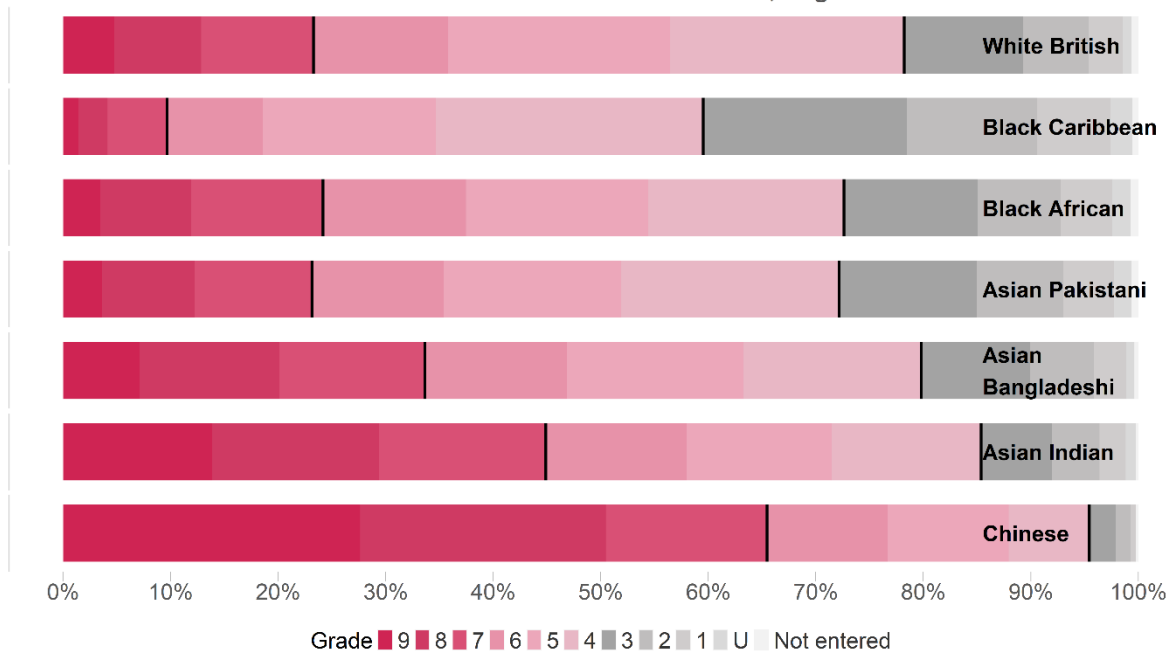




GCSE Maths - FSM Male Students, England

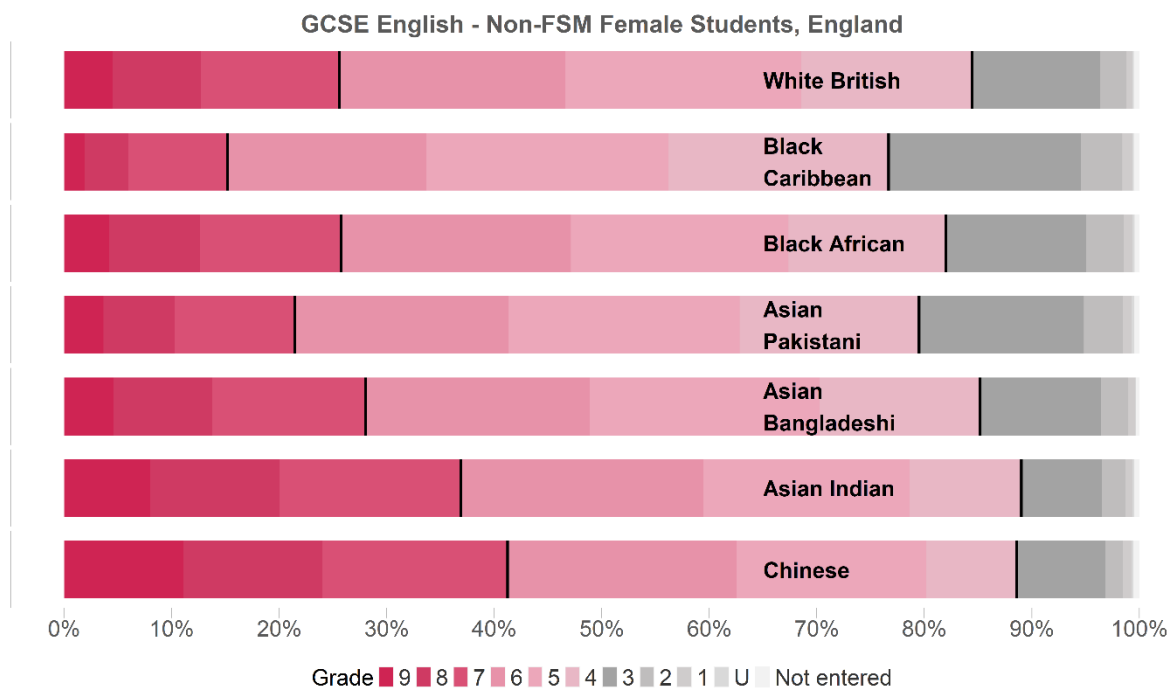
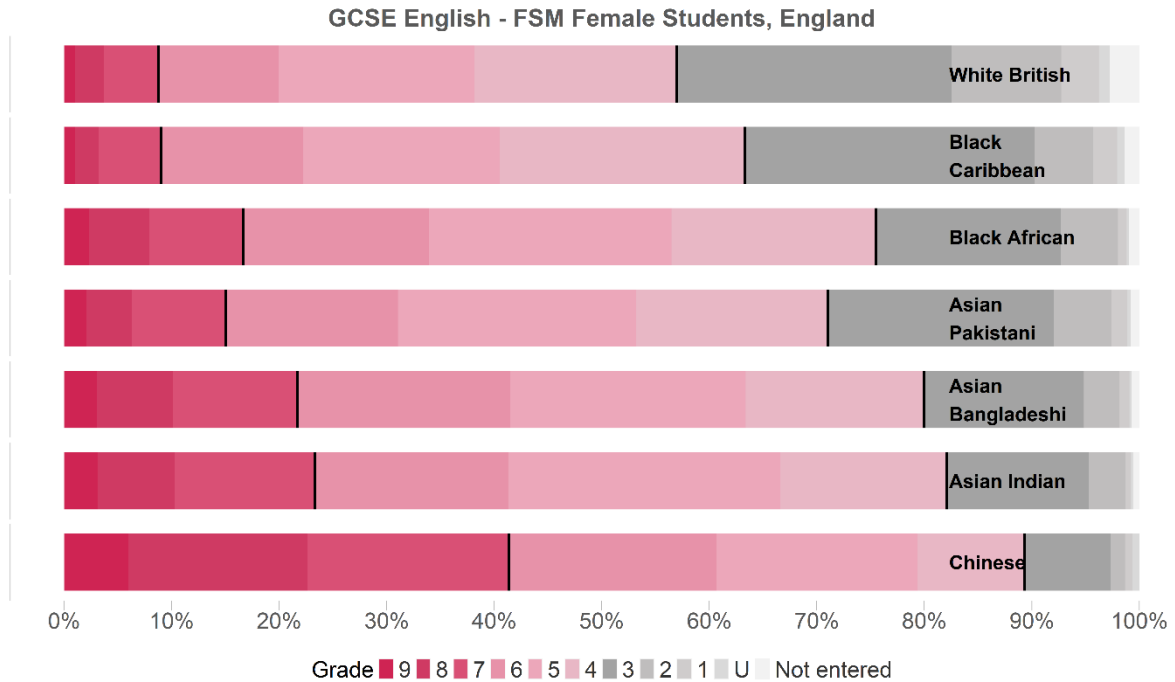


GCSE Maths - Non-FSM Male Students, England



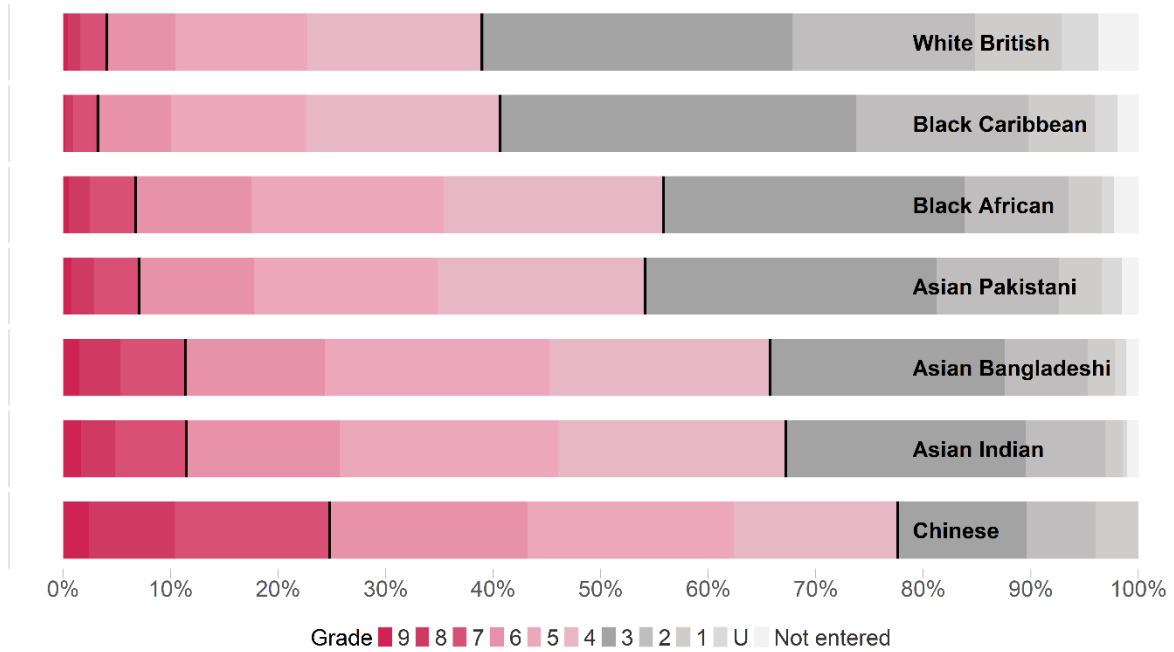


English



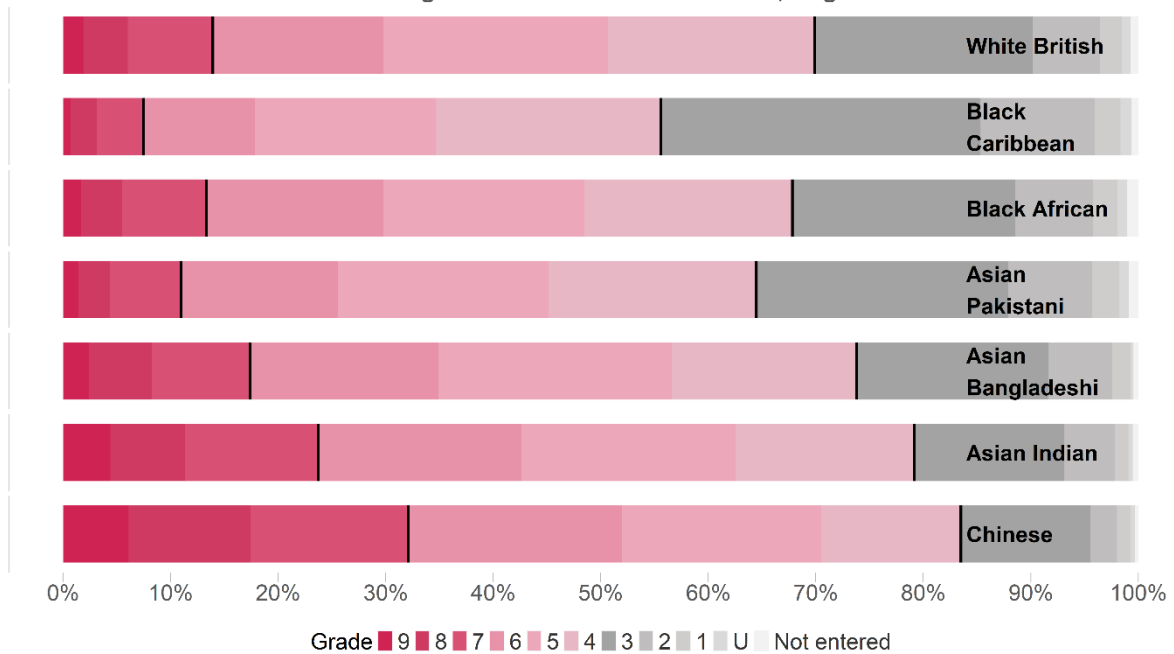


GCSE English - FSM Male Students, England



Grade 9 8 7 6 5 4 3 2 1 U Not entered

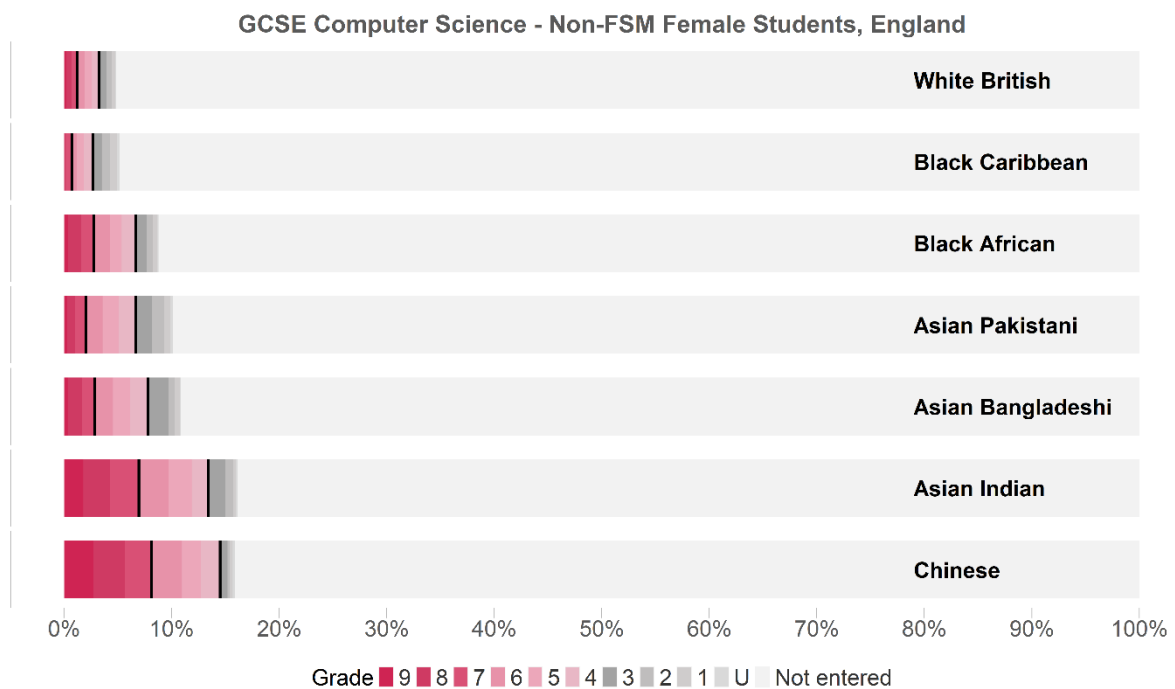
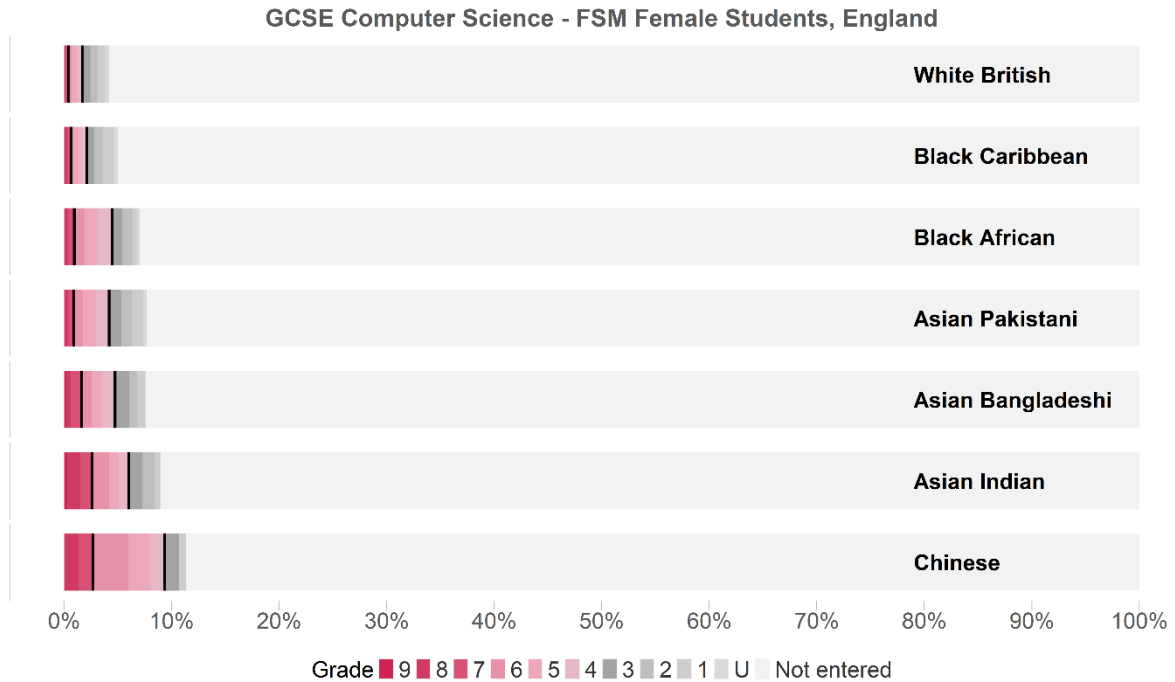
GCSE English - Non-FSM Male Students, England



Grade 9 8 7 6 5 4 3 2 1 U Not entered

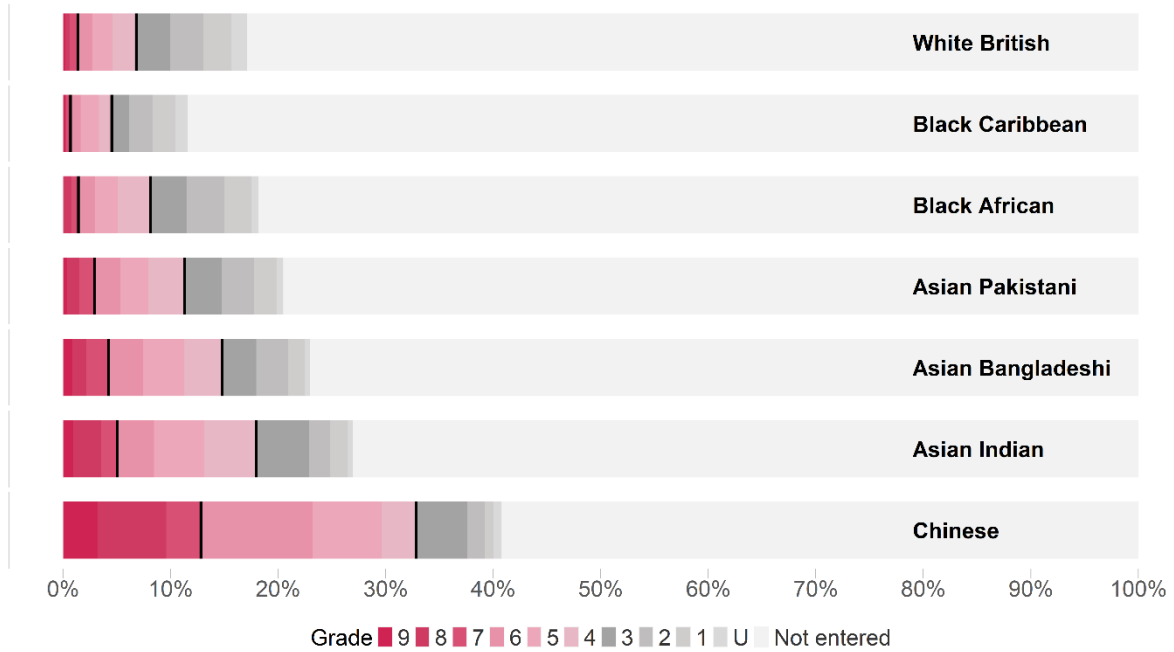


Computer Science

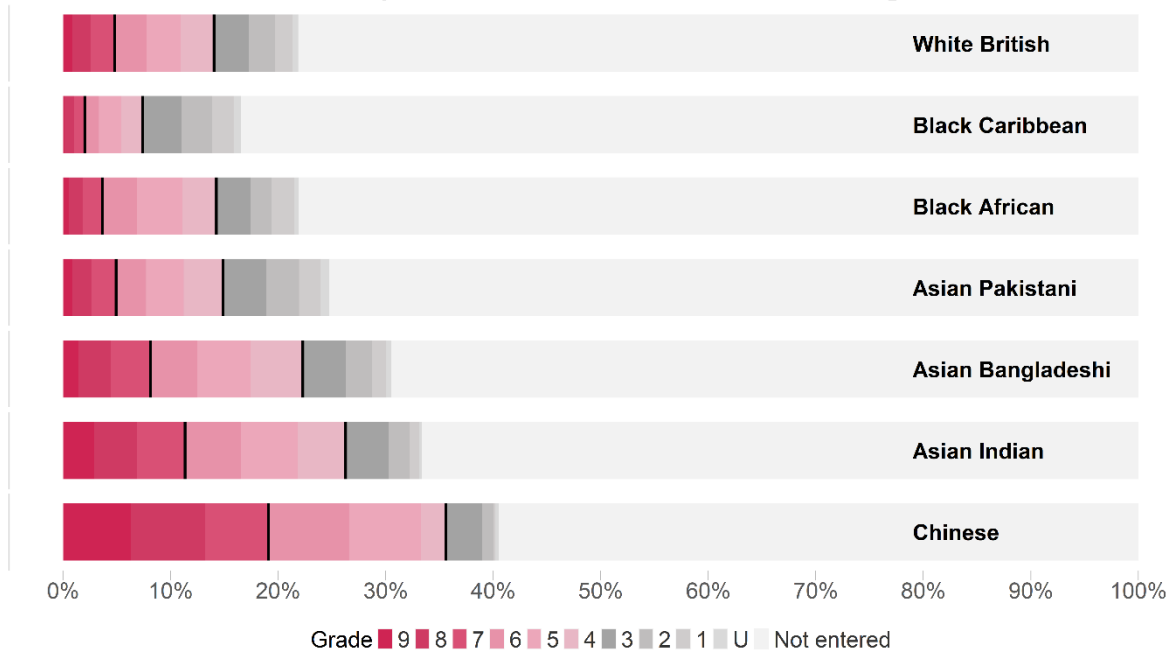




GCSE Computer Science - FSM Male Students, England



GCSE Computer Science - Non-FSM Male Students, England

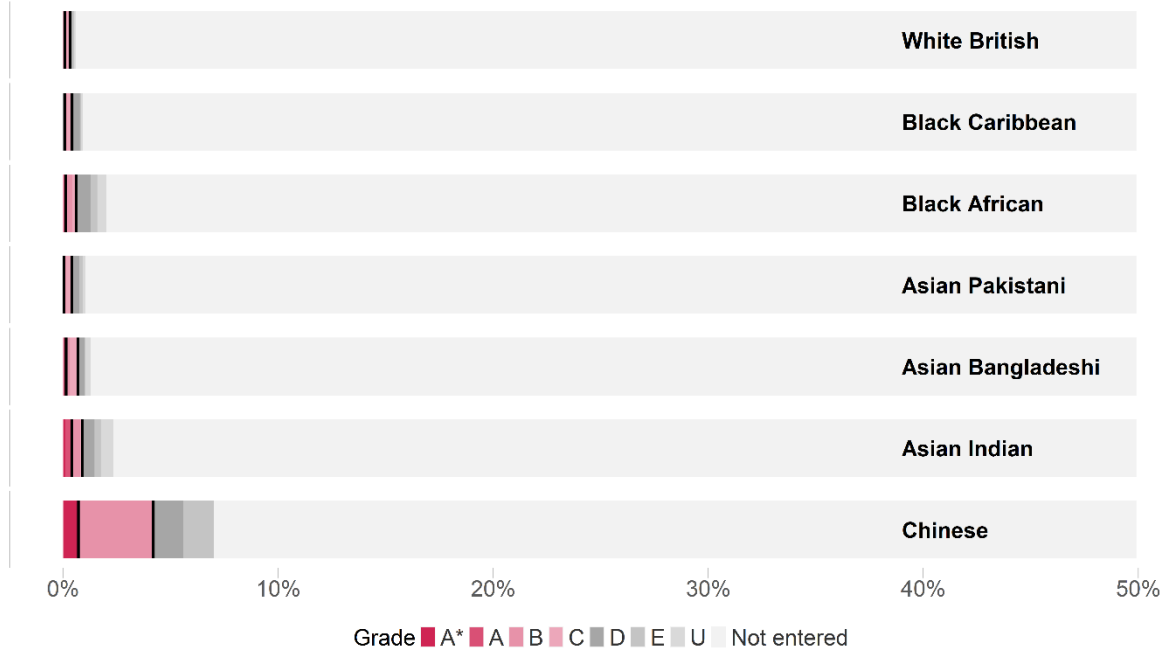




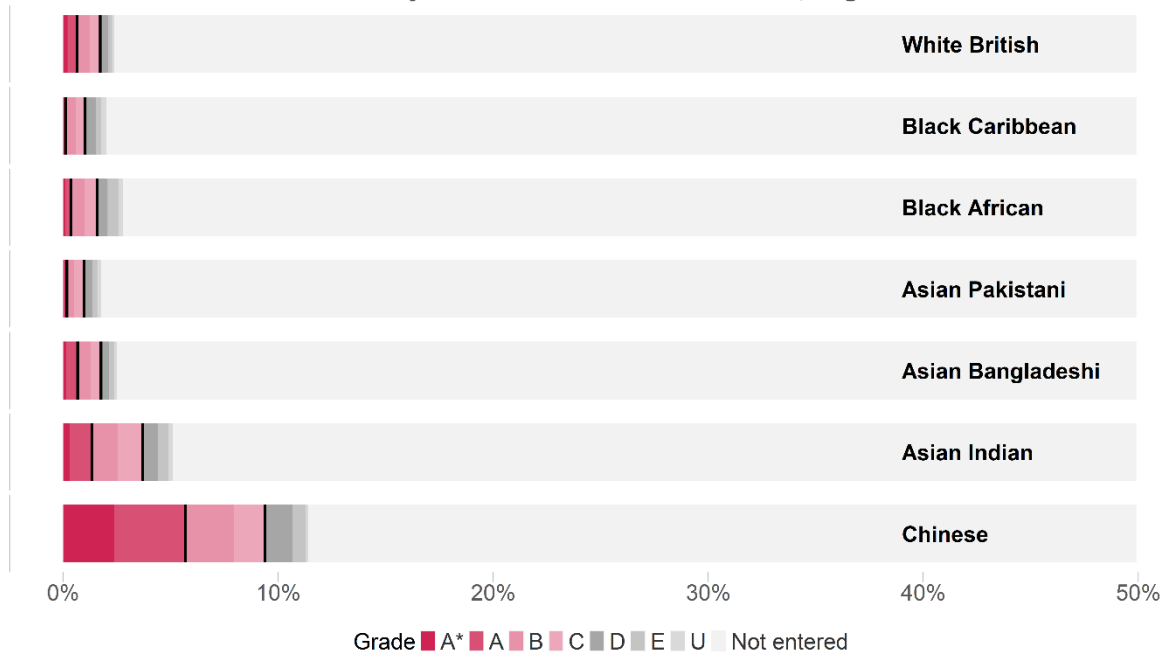
A level

Physics

A level Physics - FSM Female Students, England

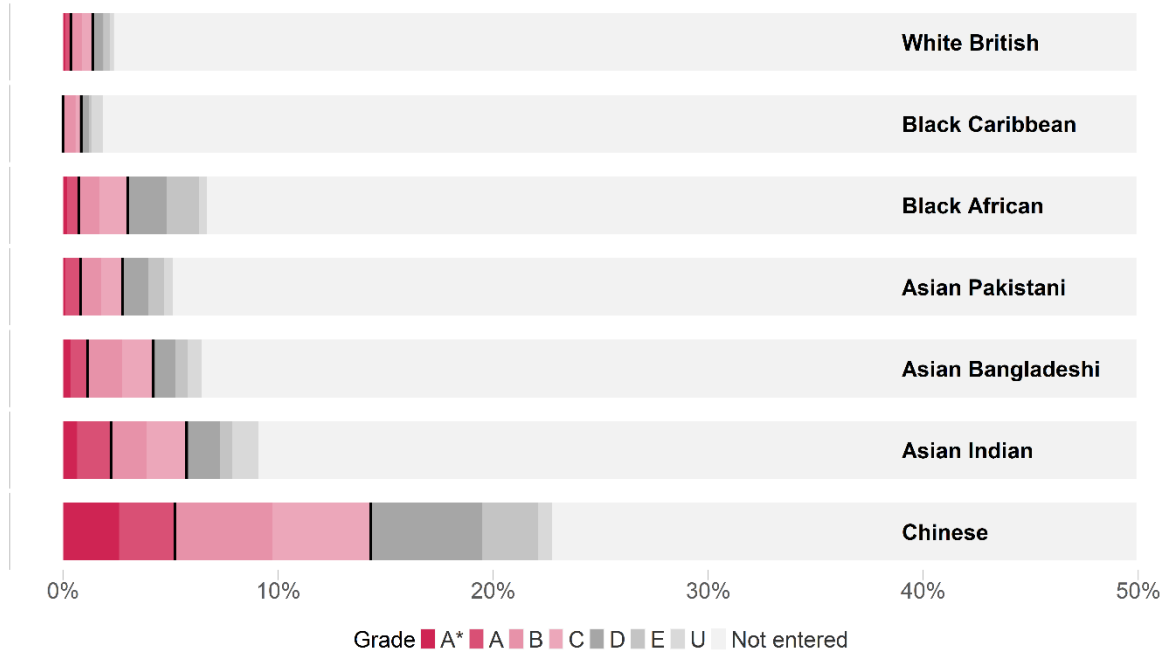


A level Physics - Non-FSM Female Students, England

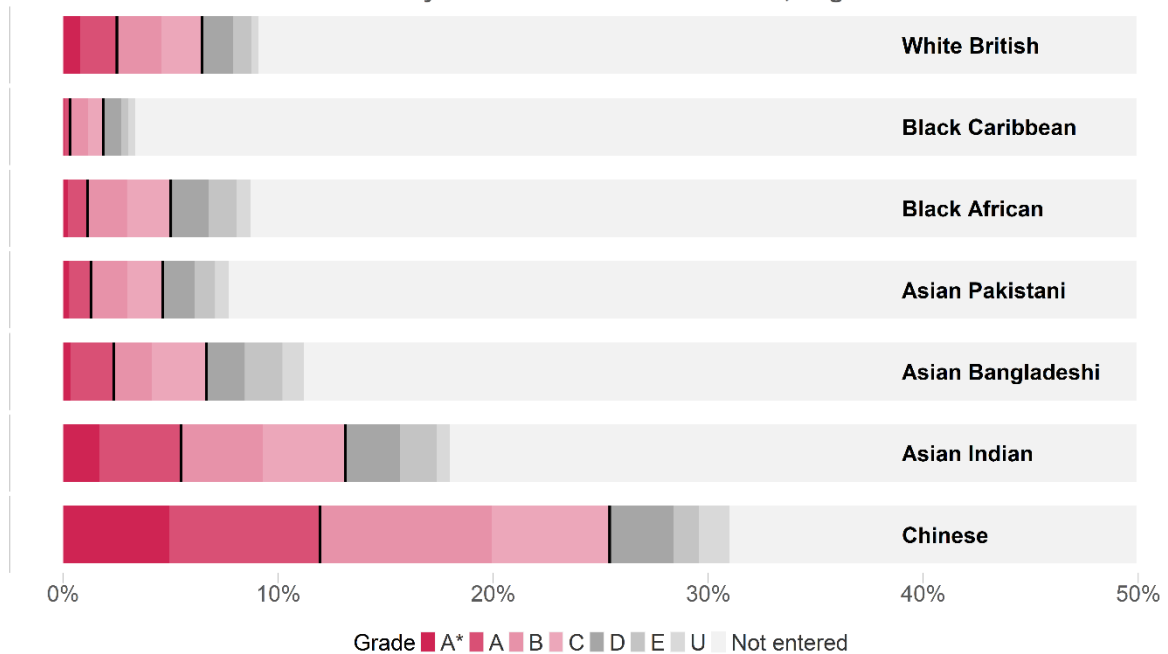




A level Physics - FSM Male Students, England



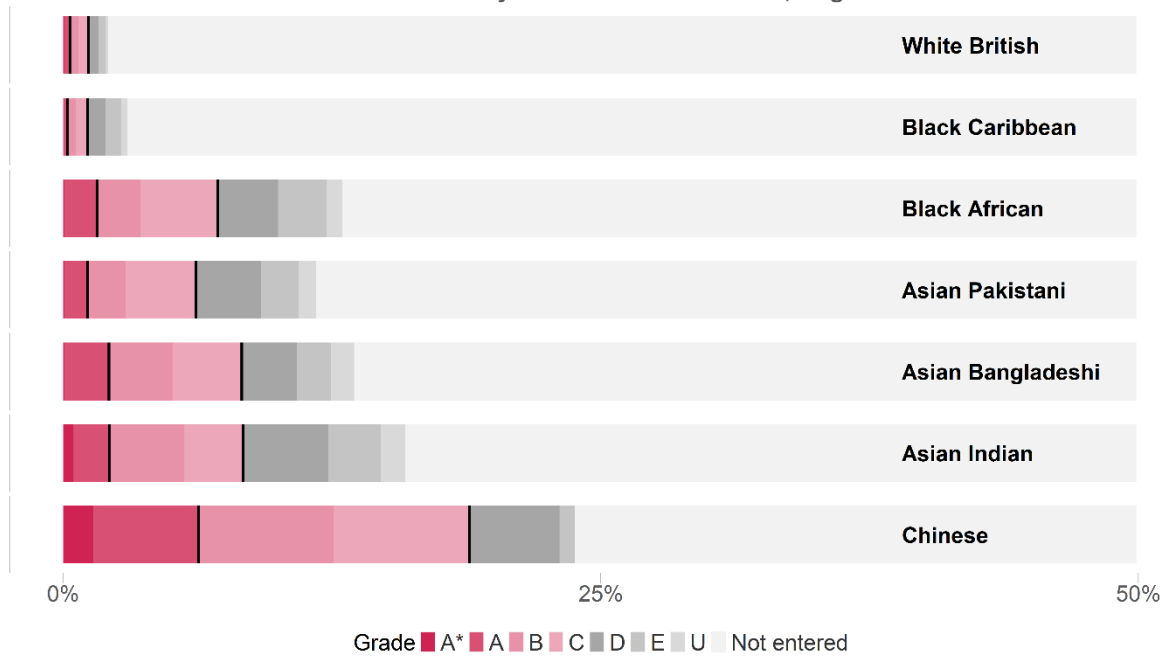
A level Physics - Non-FSM Male Students, England



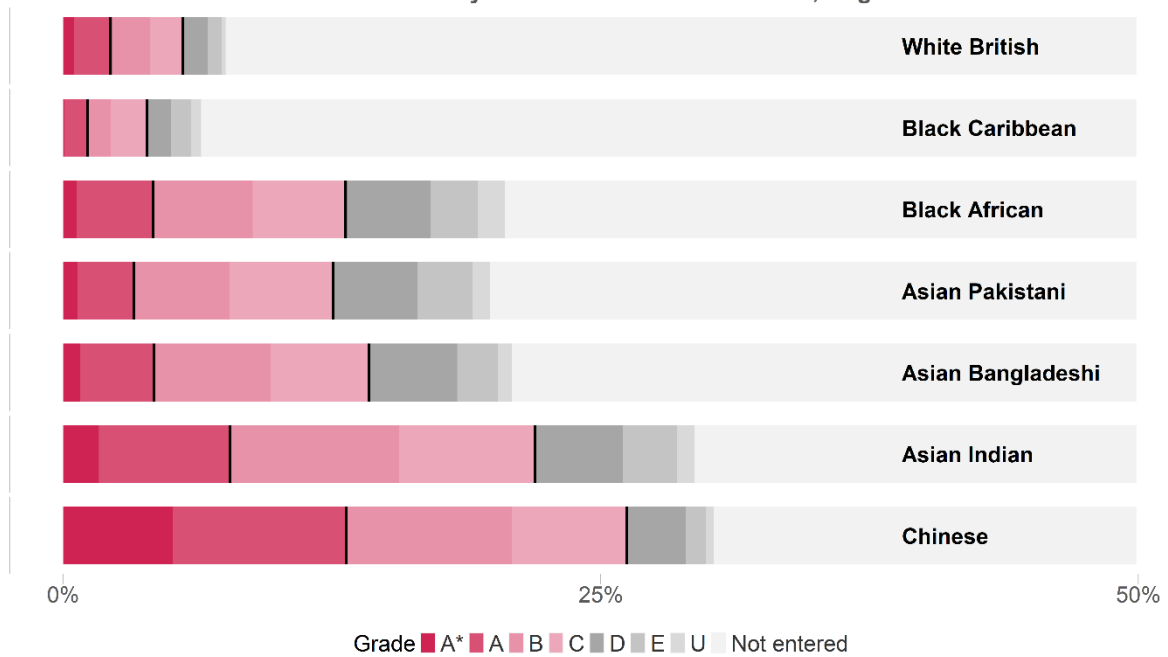


Chemistry

A level Chemistry - FSM Female Students, England

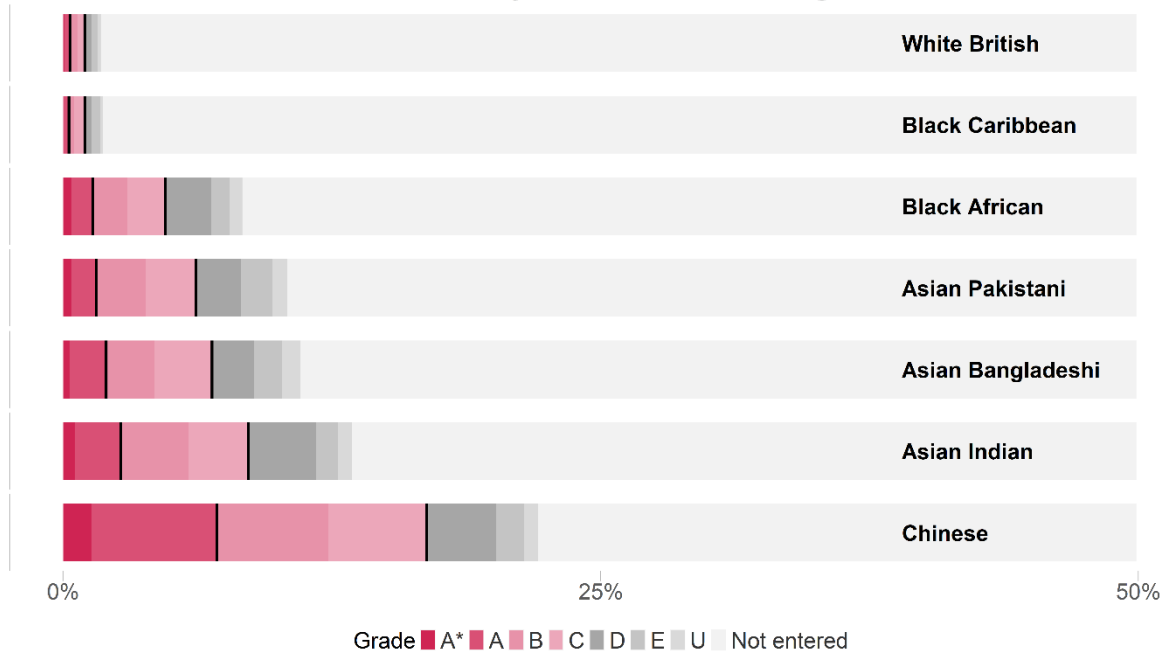


A level Chemistry - Non-FSM Female Students, England

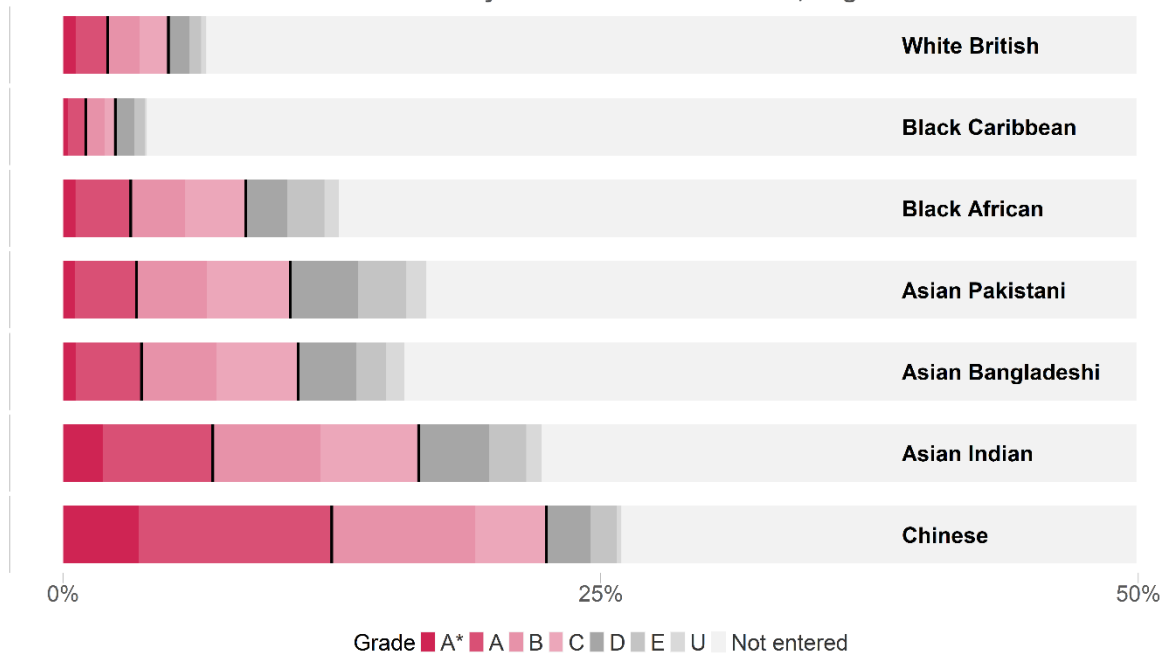




A level Chemistry - FSM Male Students, England

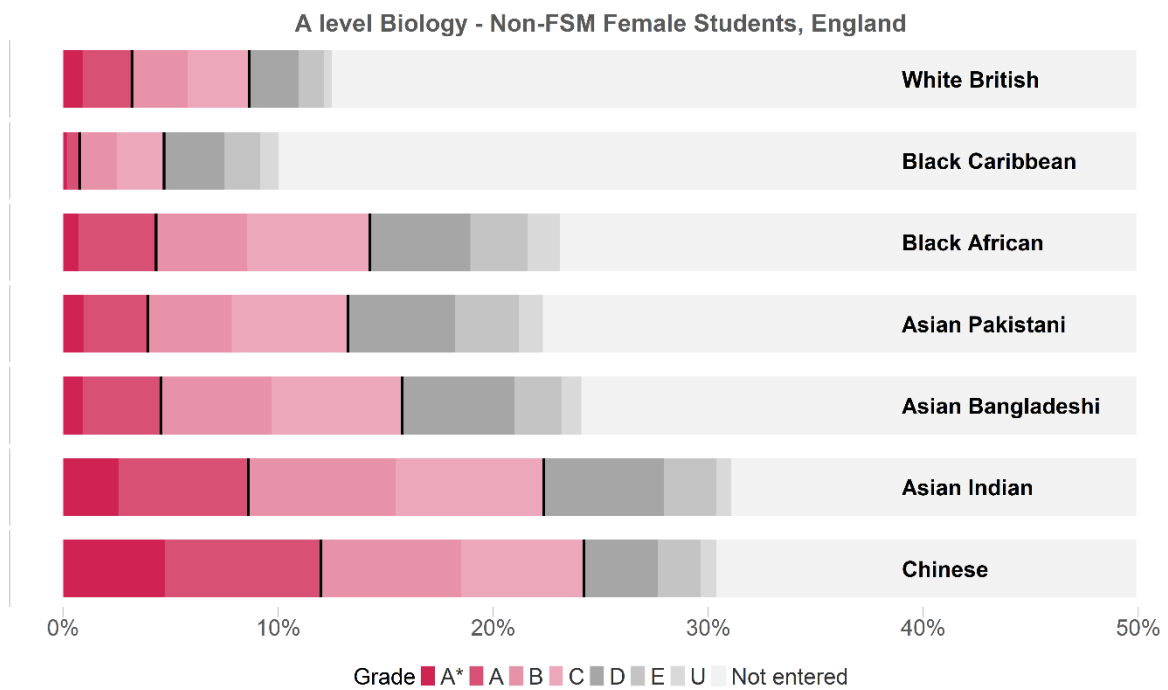
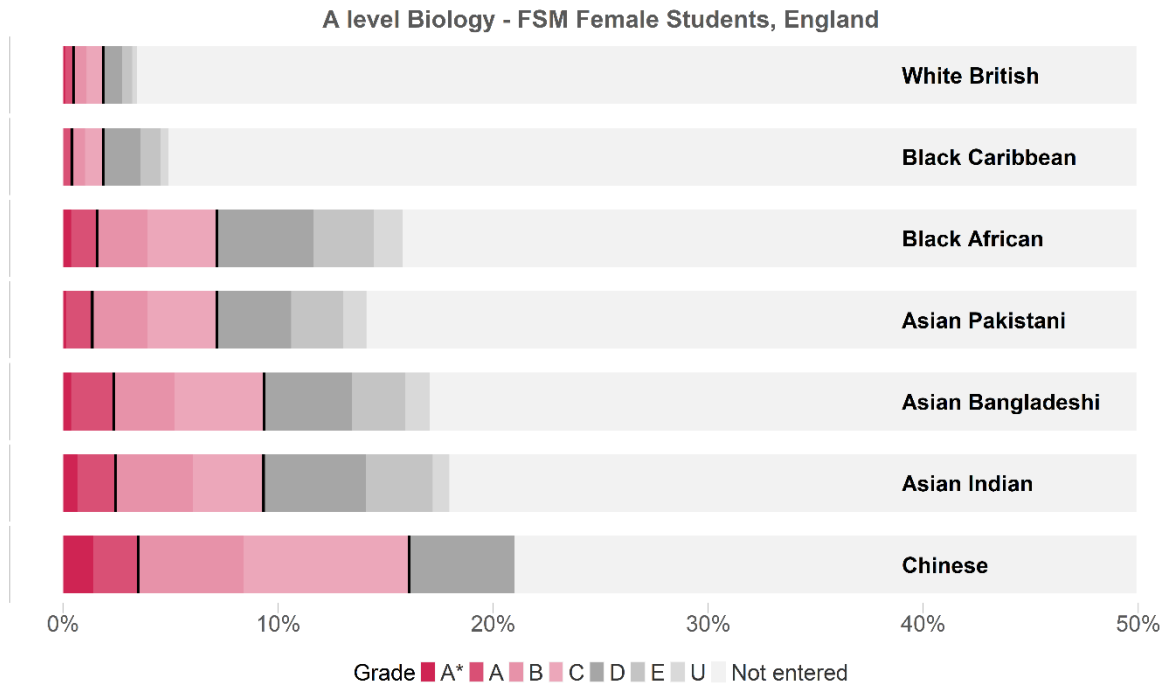


A level Chemistry - Non-FSM Male Students, England



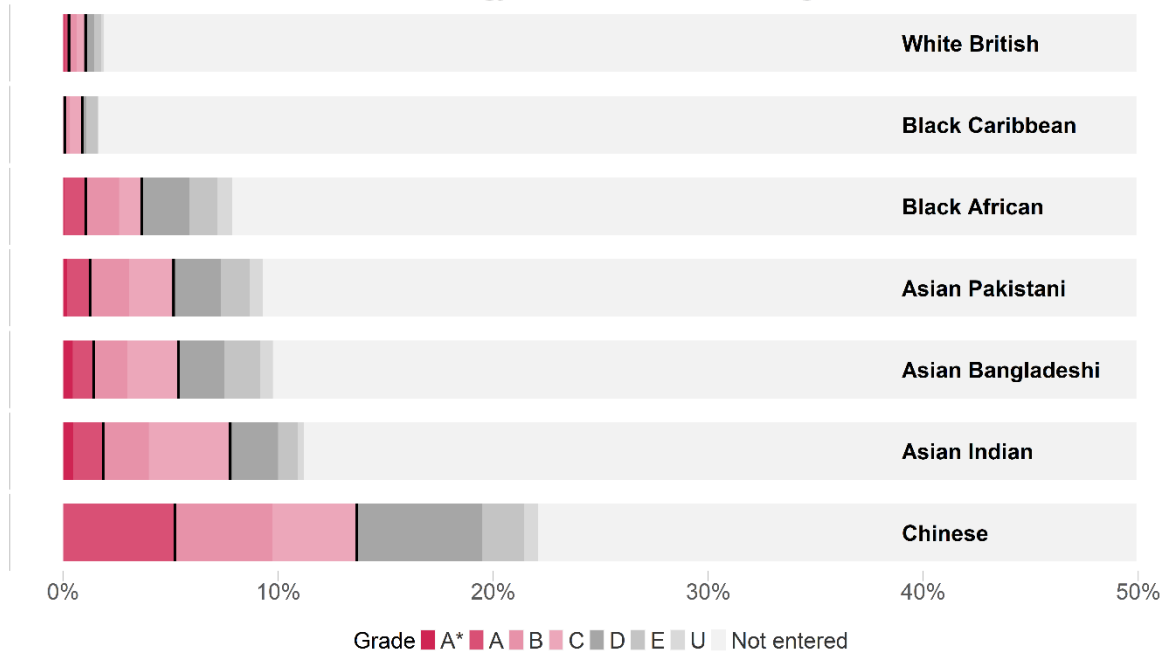


Biology

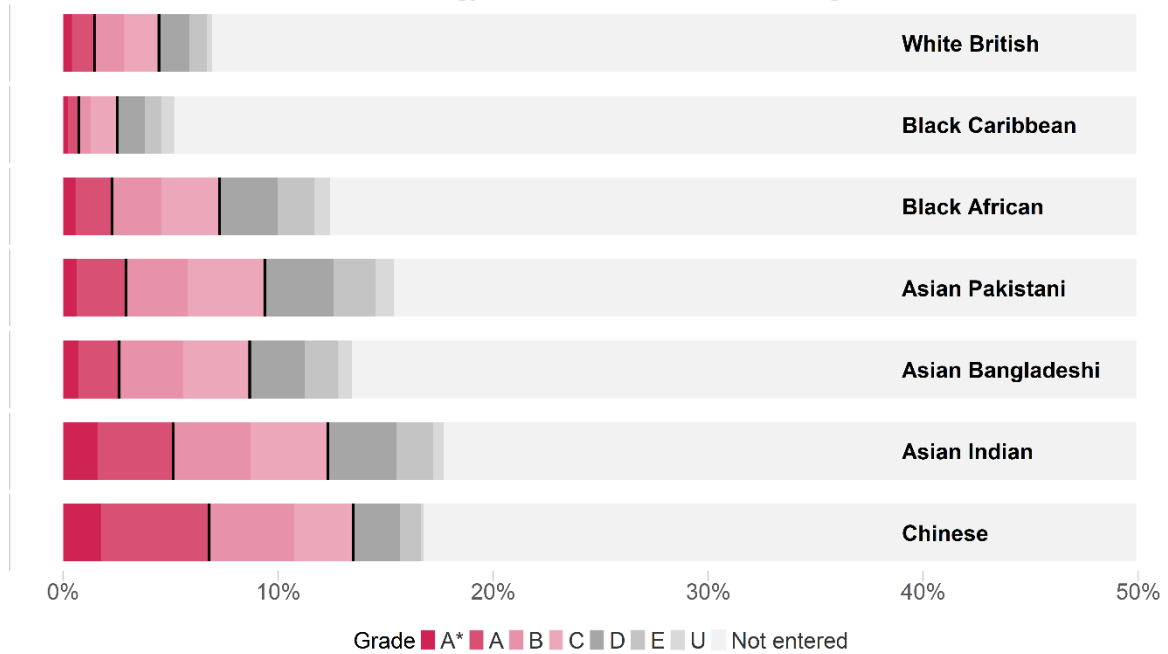




A level Biology - FSM Male Students, England

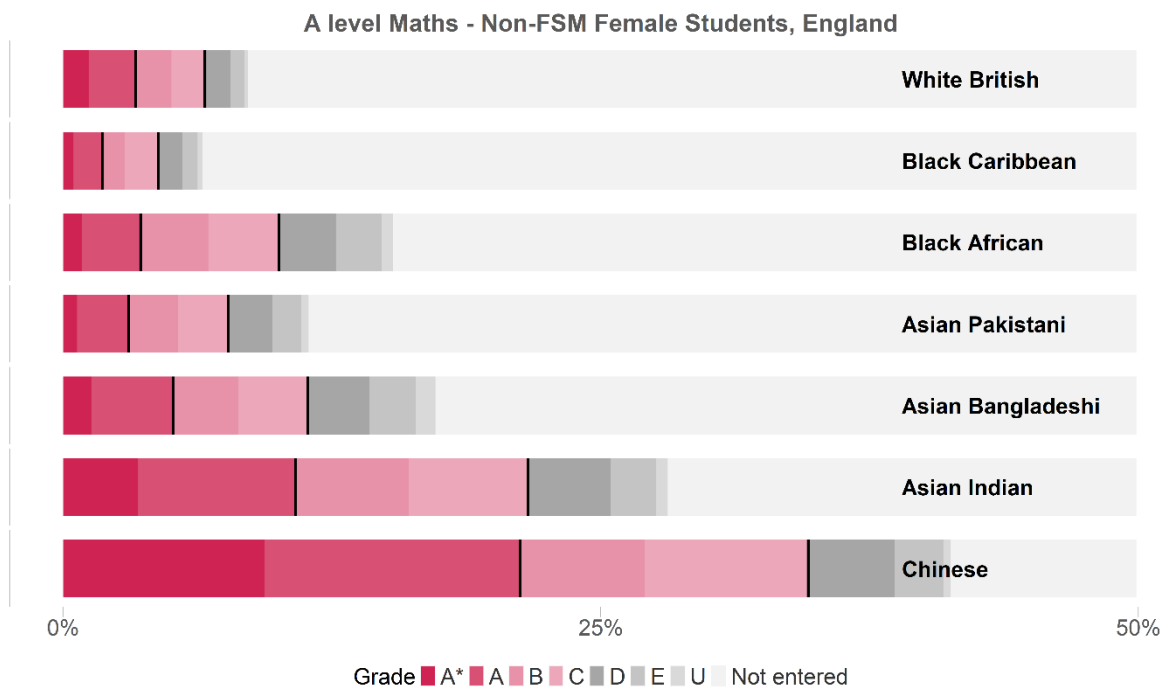
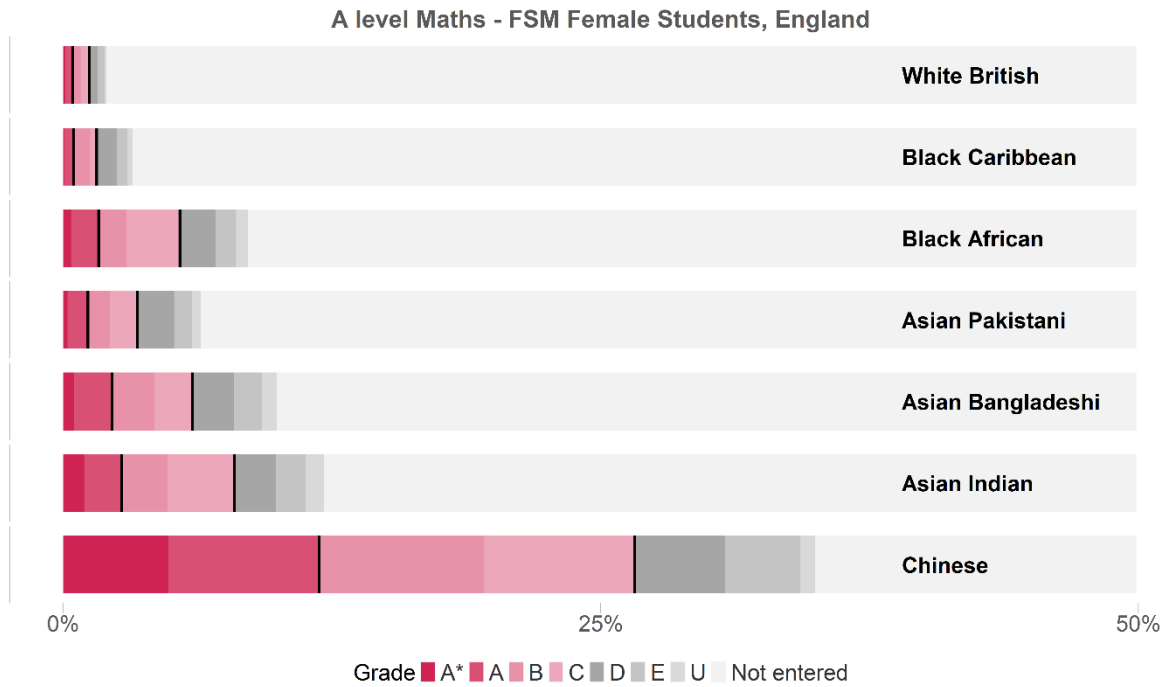


A level Biology - Non-FSM Male Students, England



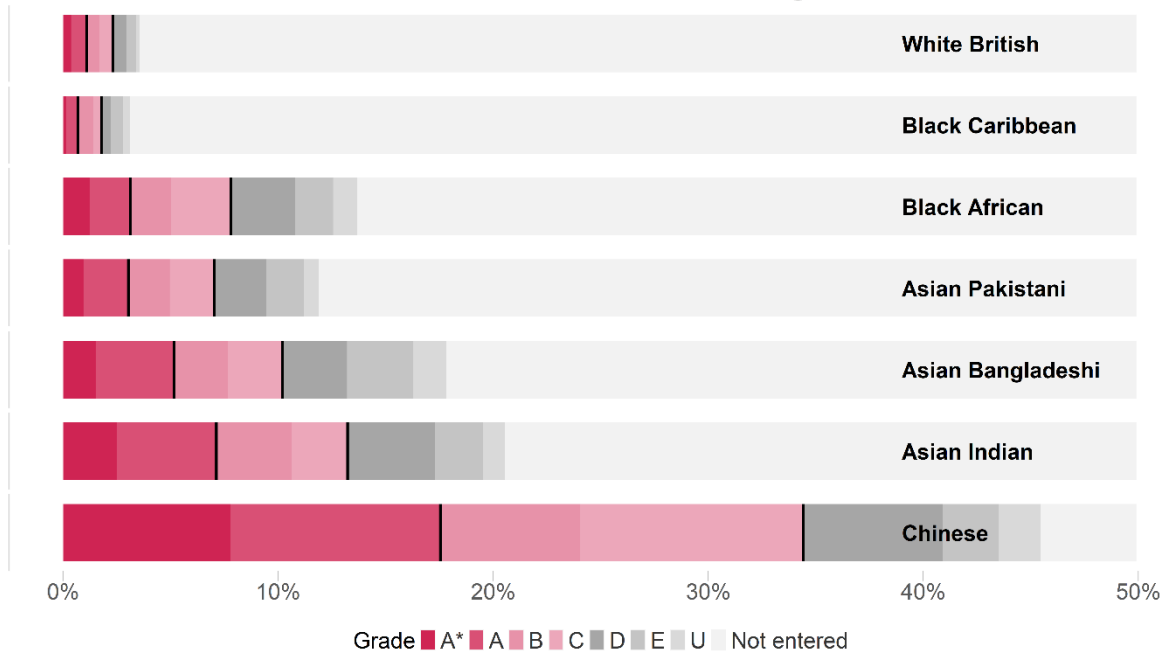


Maths

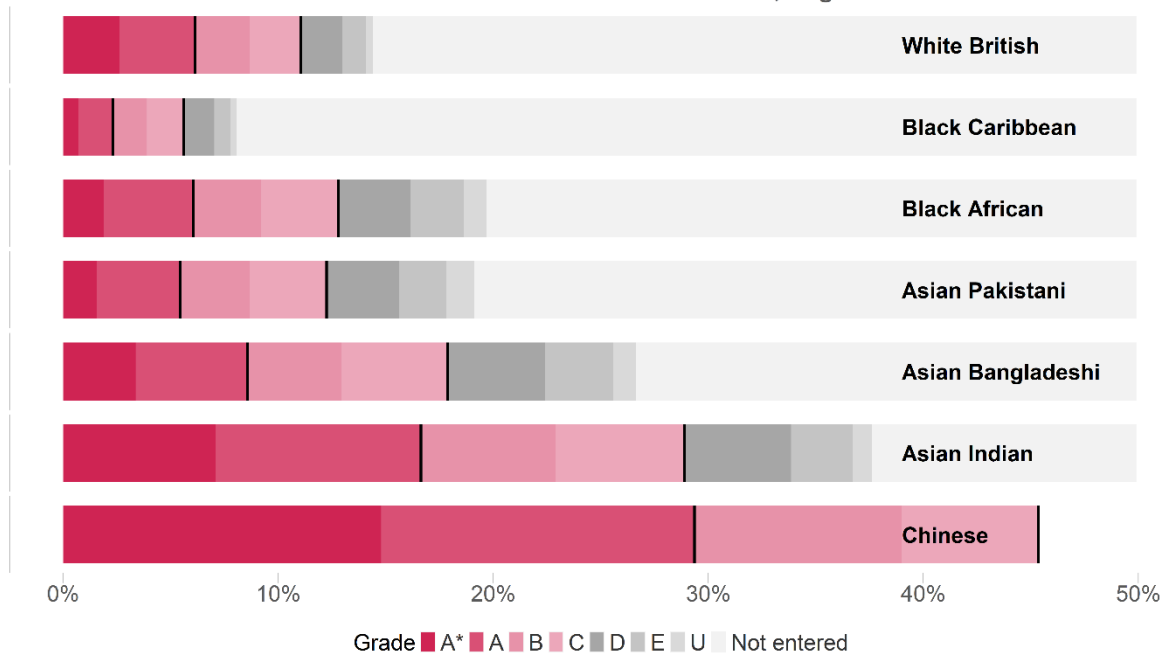




A level Maths - FSM Male Students, England



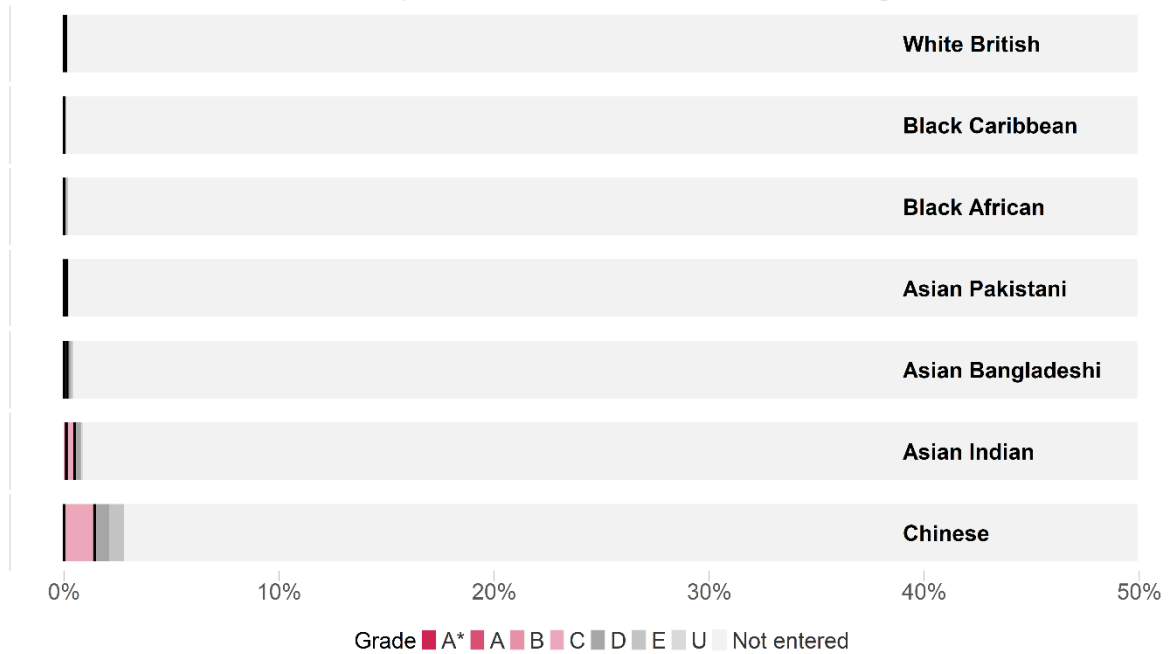
A level Maths - Non-FSM Male Students, England



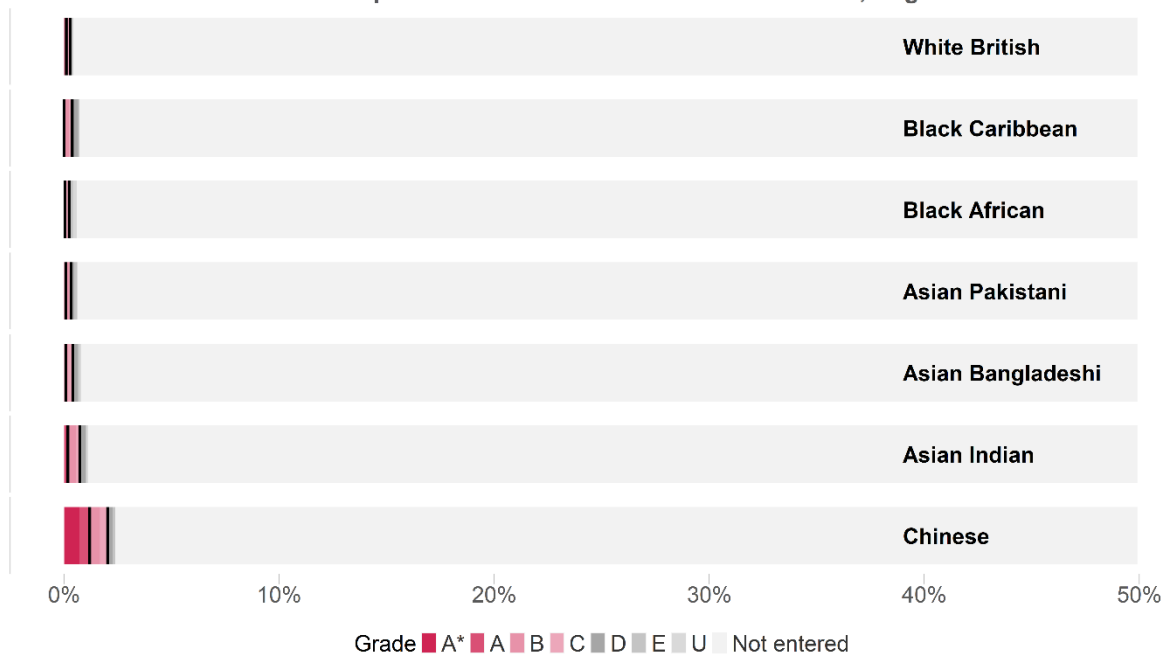


Computer Science

A level Computer science - FSM Female Students, England

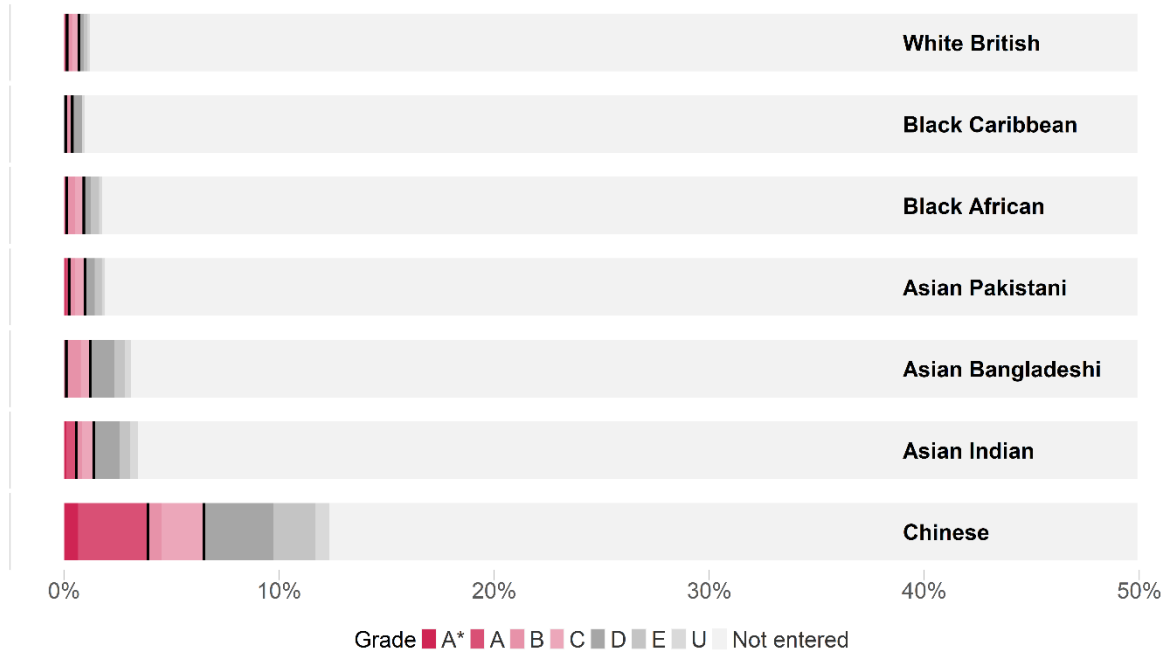


A level Computer science - Non-FSM Female Students, England

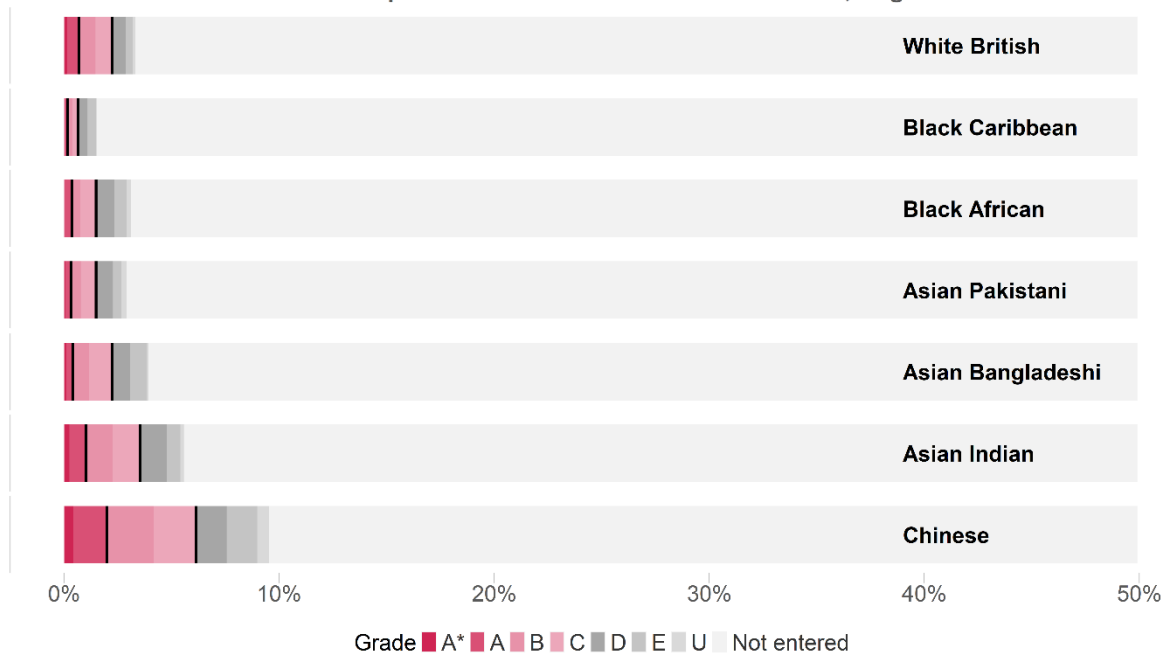




A level Computer science - FSM Male Students, England



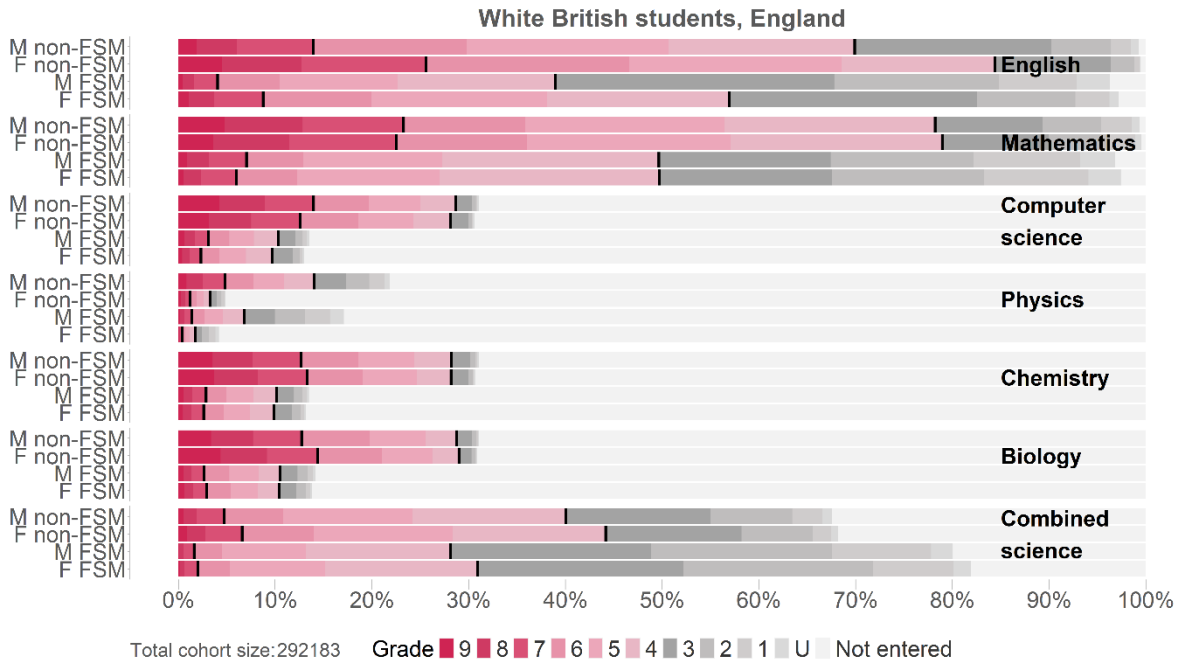
A level Computer science - Non-FSM Male Students, England



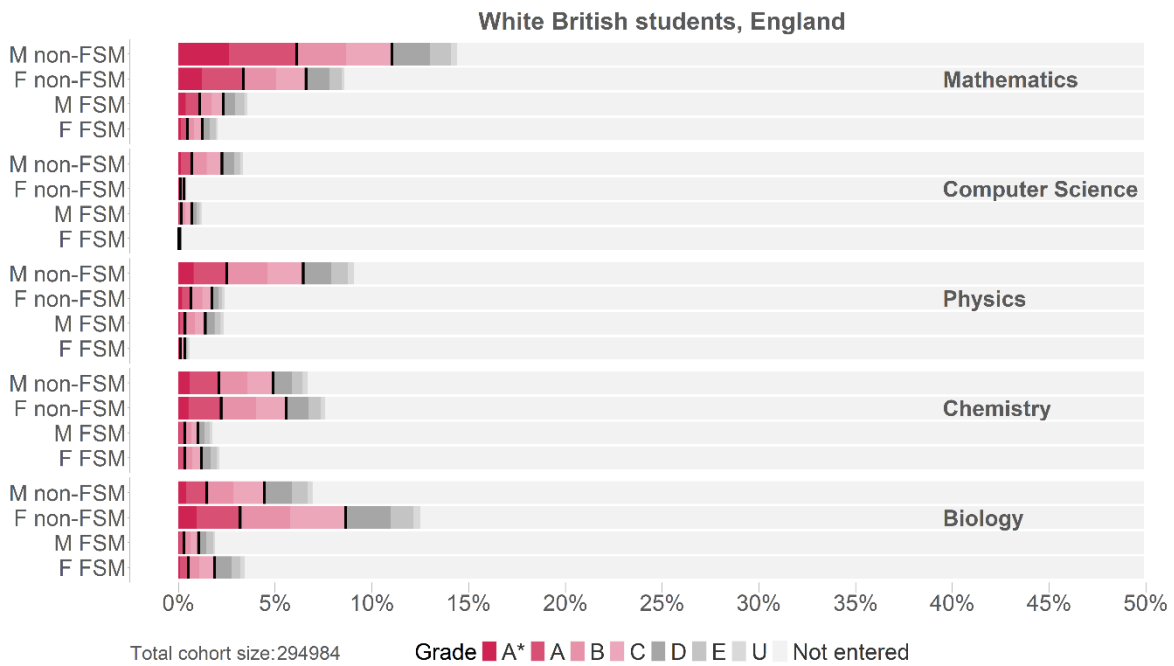


Ethnicity

White British GCSE

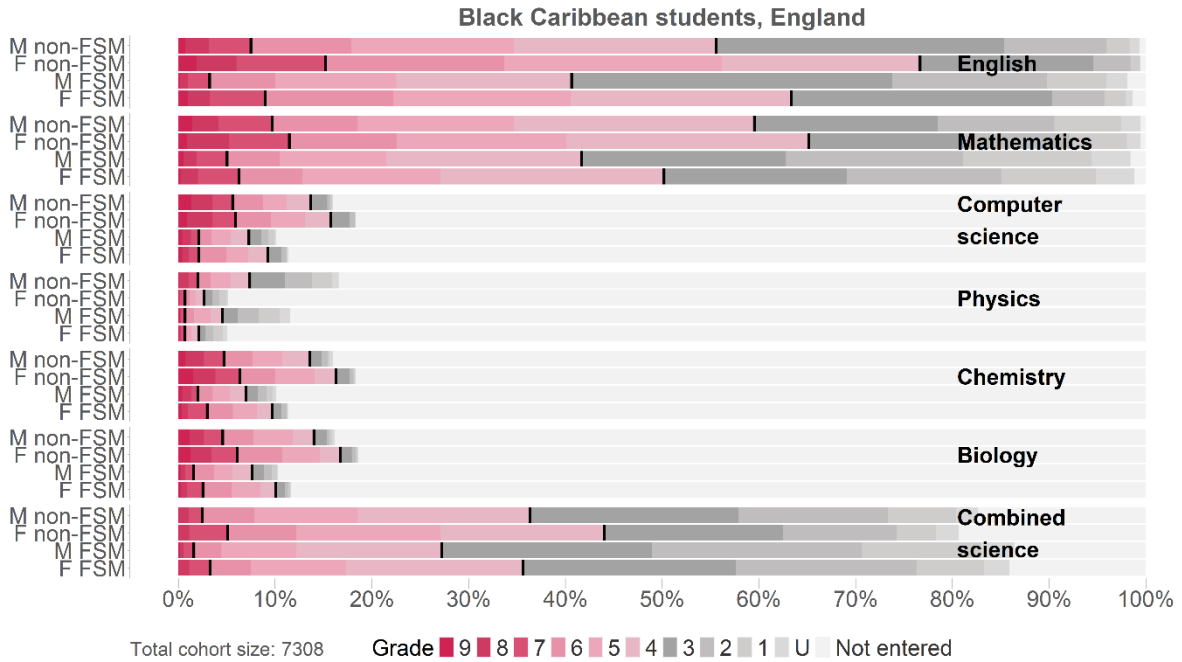


A level

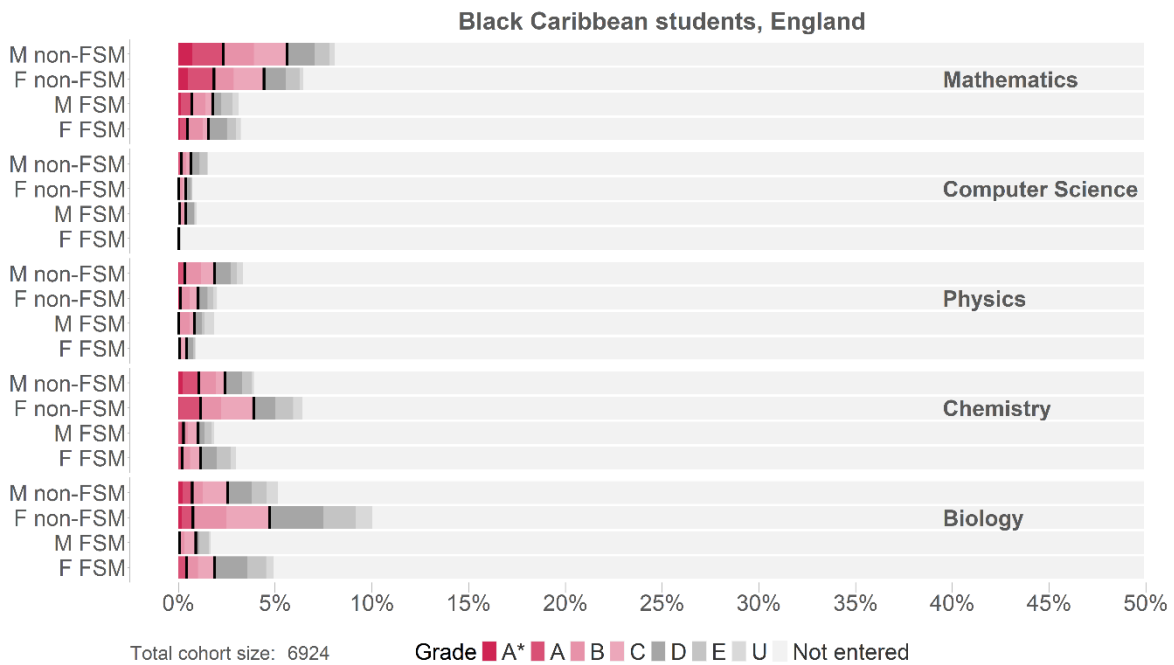




Black Caribbean GCSE

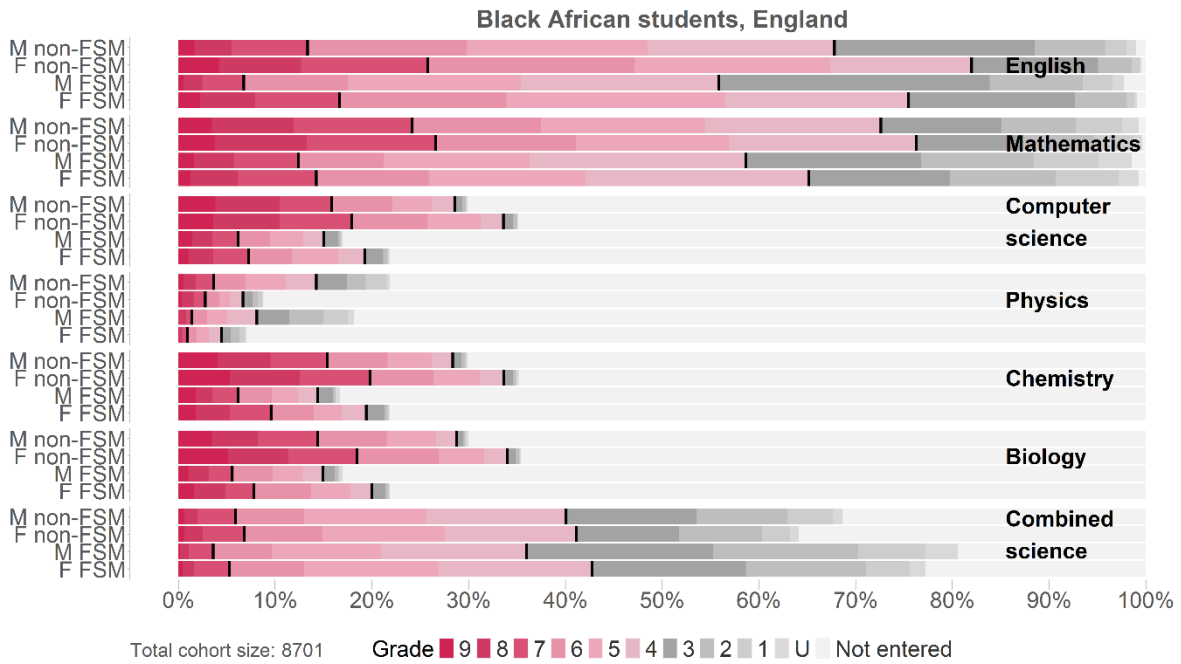


A level

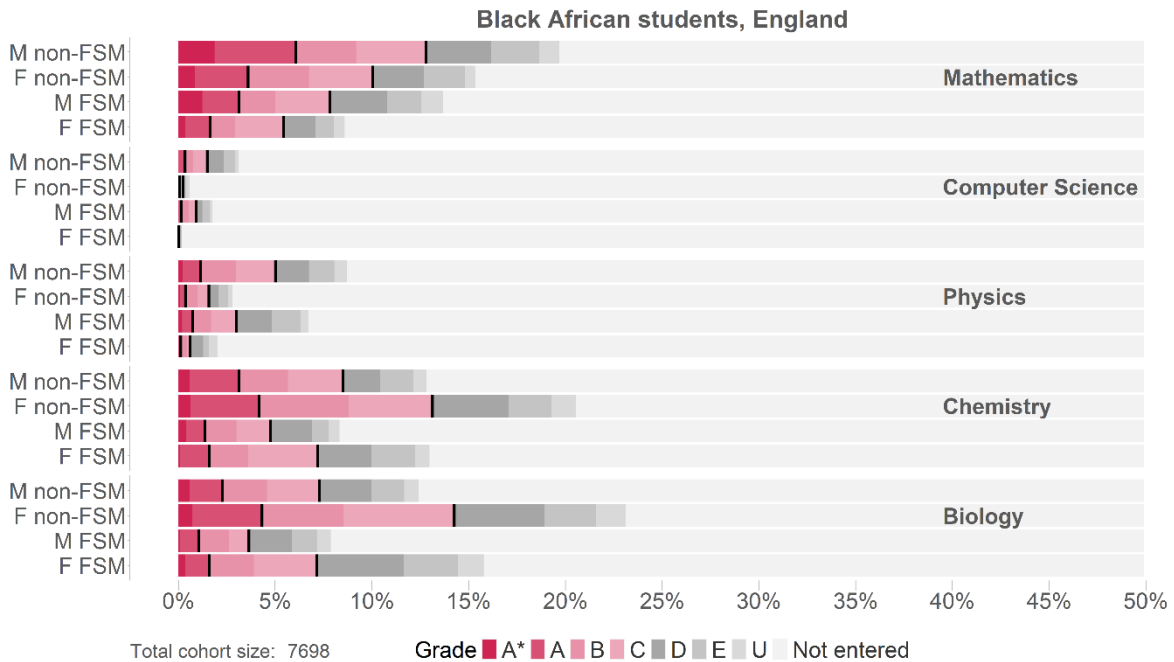




Black African GCSE

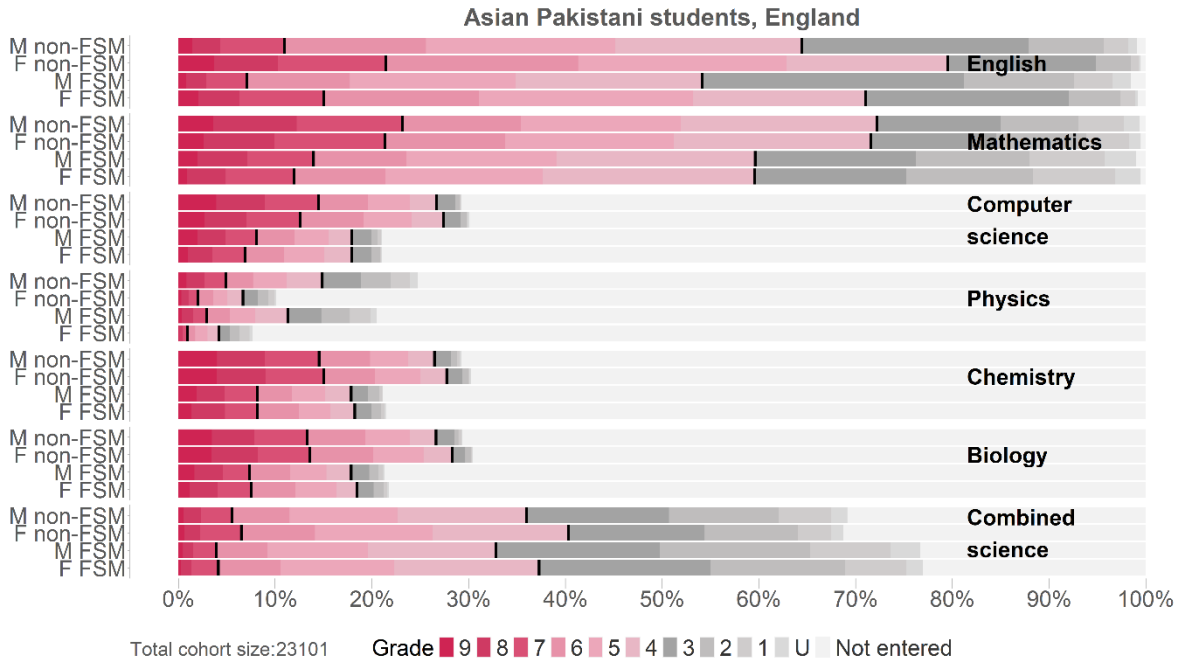


A level

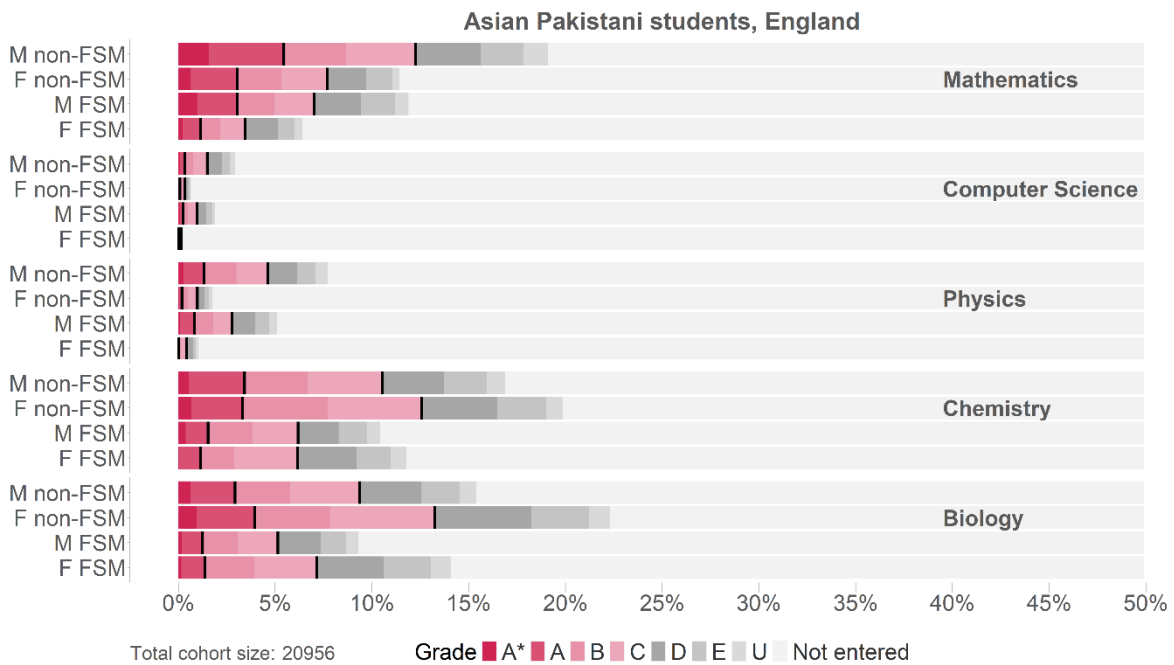




Asian Pakistani GCSE

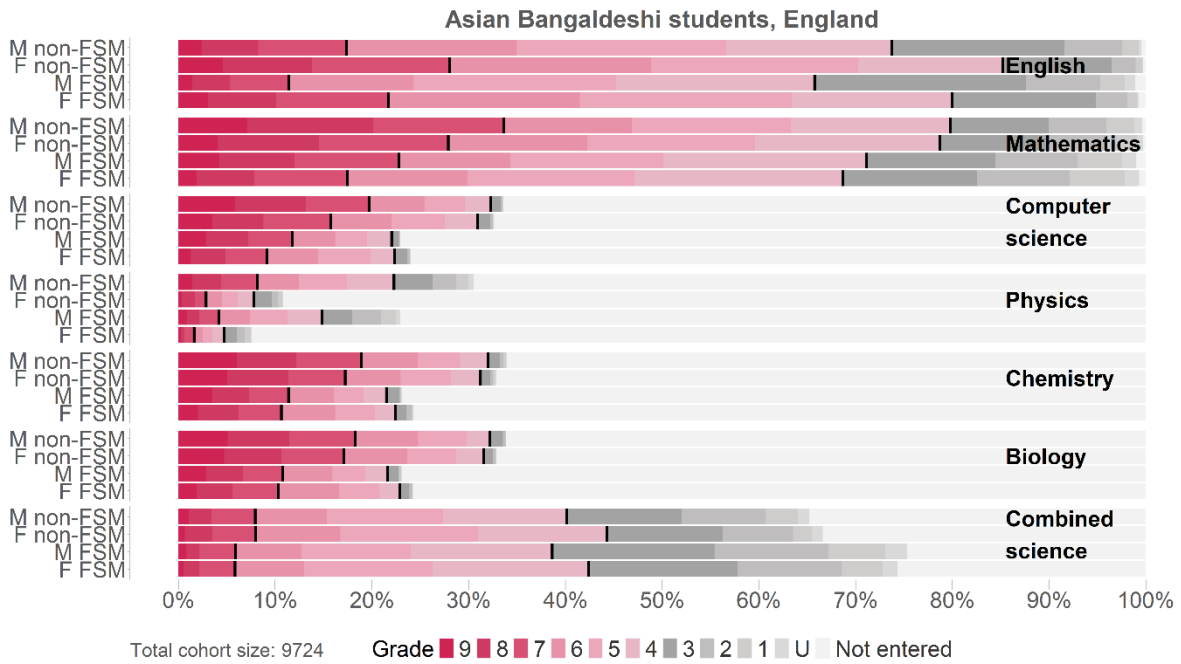


A level

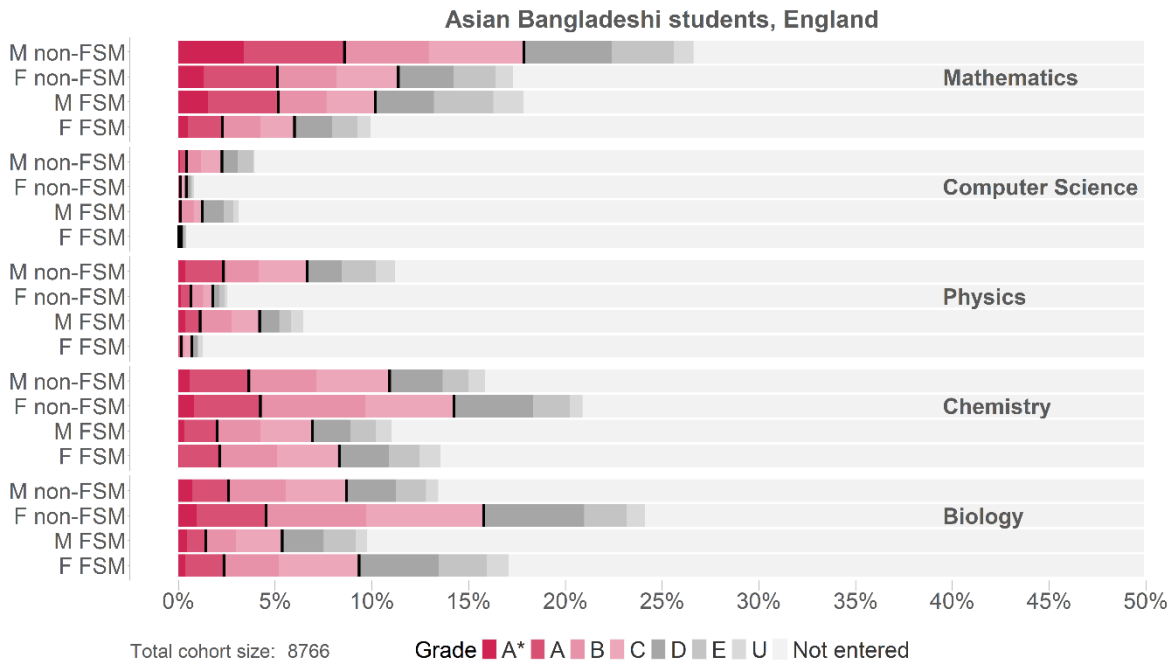




Asian and Bangladeshi GCSE

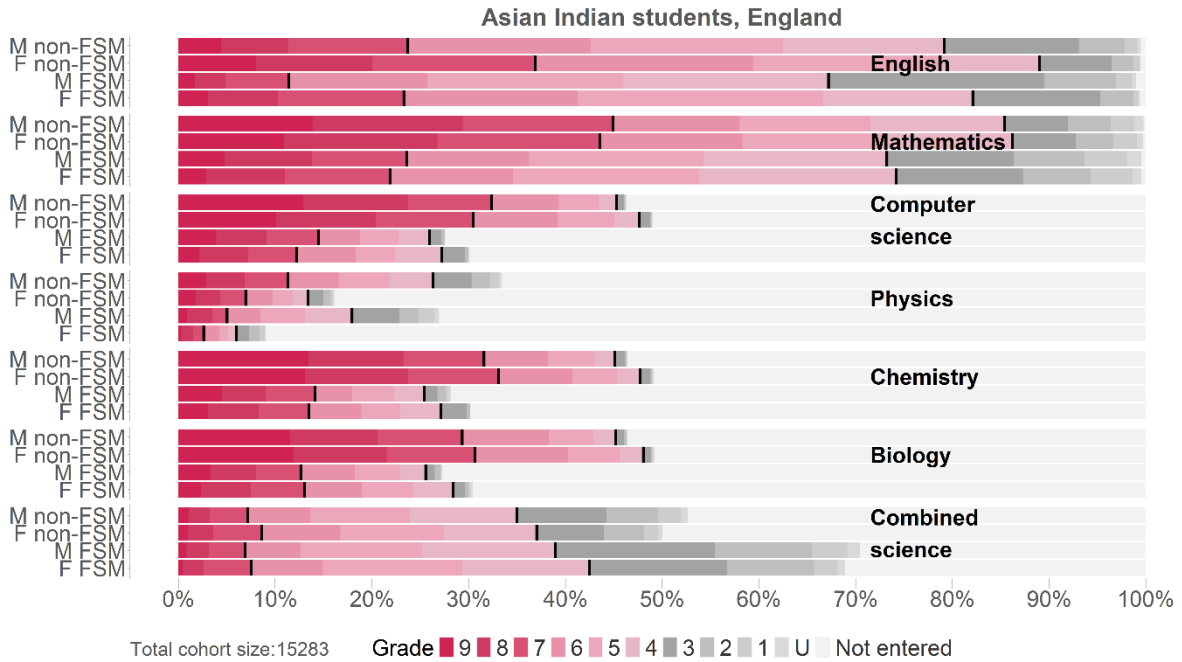


A level

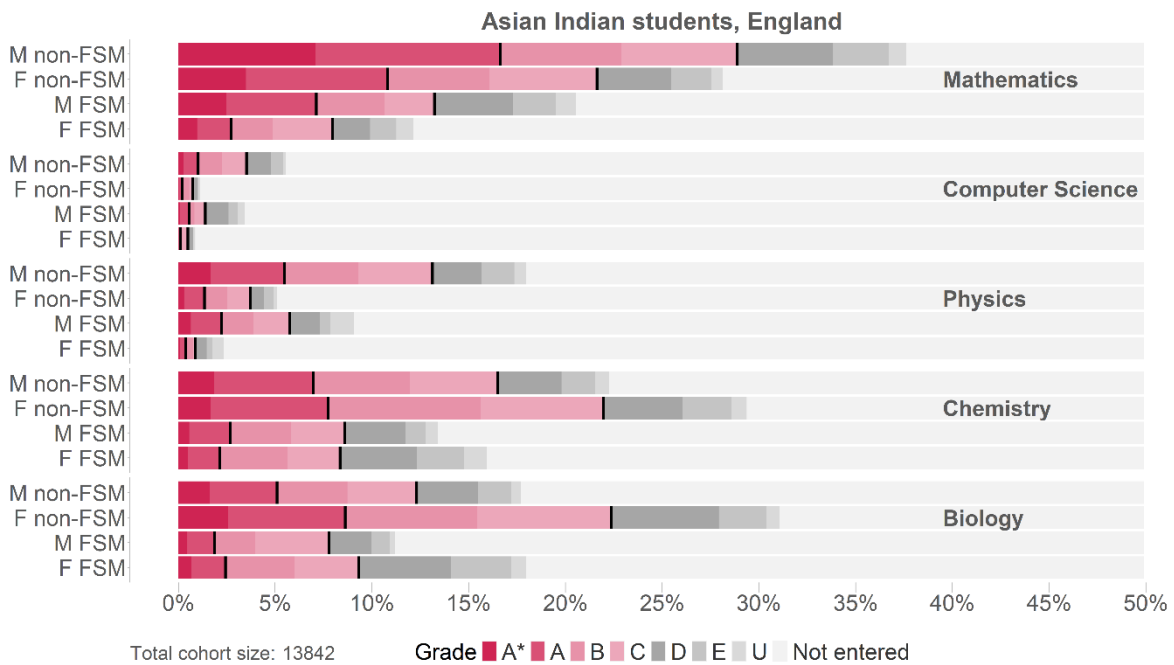




Asian Indian GCSE

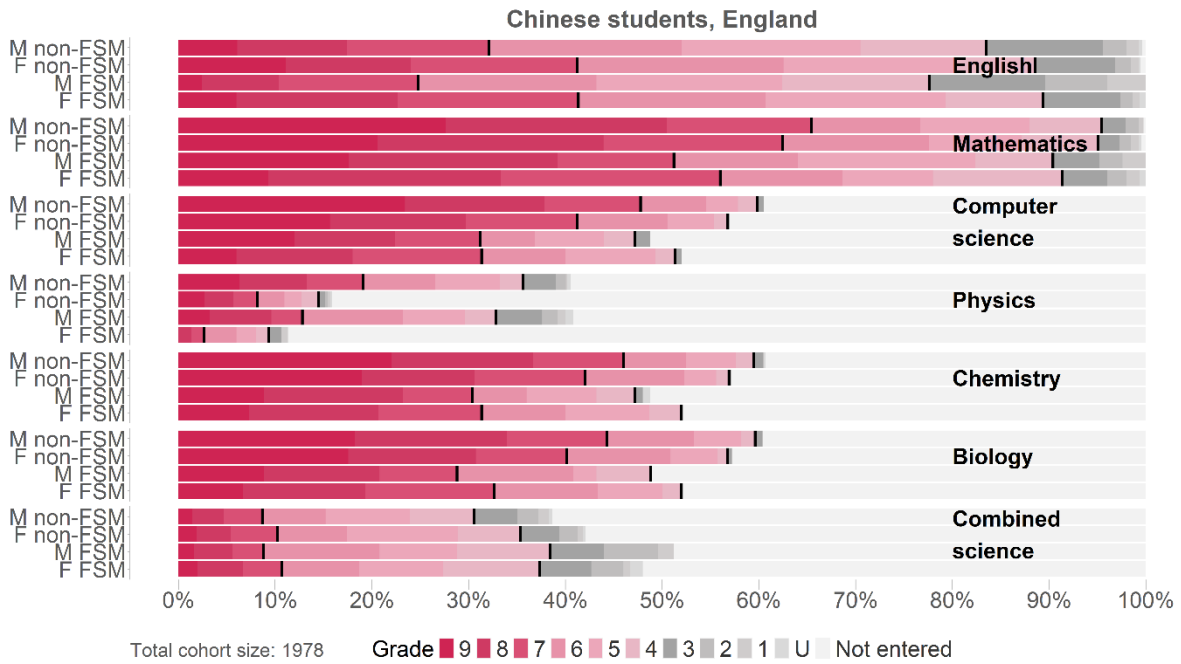


A level





Chinese GCSE



A level

