King's College London – Mathematics Department
CUMBERLAND LODGE STUDENT RETREAT
Friday 16 – Sunday 18 February 2018
Theme: Prime Numbers and Cryptography

Friday 16 February

18.00	Arrival
18.30	Meet in bar
19.15	Dinner
20.30	Welcome and introductory information (CL staff member)
20.45	JULIAN WEST: *Cryptanalysis of Substitution Ciphers*
22.00	Bar

Saturday 17 February

08.15	Breakfast
09.00	NAZ MIHEISI: *Distribution of Primes*
10.00	LUCA VIGANÒ: *Alpha-Beta Privacy (a novel way to reason)*
11.00	Coffee
11.30	CLIFFORD COCKS CB FRS: *Modern Cryptography (a mathematical history)*
13.00	Lunch
13.45	Free session for football/(table) tennis/cycling/walking (in parallel) Film screening
16.00	Tea
16.15	VICKY NEALE: *Closing the Gap (the quest to understand prime numbers)*
17.15	NICK SHEPHERD-BARRON FRS: *Curves and Cryptography*
18.45	Meet in bar
19.15	Dinner
20.30	DEBATE: *Immigration and Integration* (in parallel) Music practice
22.00	Pub-style quiz followed by basement party (closing by 01.00)

Sunday 18 February

09.00	Breakfast (until 09.45)
10.15	Departure for those attending Matins at Royal Chapel (see guide)
10.30	Coffee
11.00	ERICA TYSON: *Careers with Mathematics*
13.00	Lunch
13.45	JAMES GRIME: *Alan Turing and the Enigma Machine*
14.45	CONCLUDING DISCUSSION
15.30	Tea
16.00	Departure