



PG ONLINE

Options talks

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# GCSE

# Computer Science

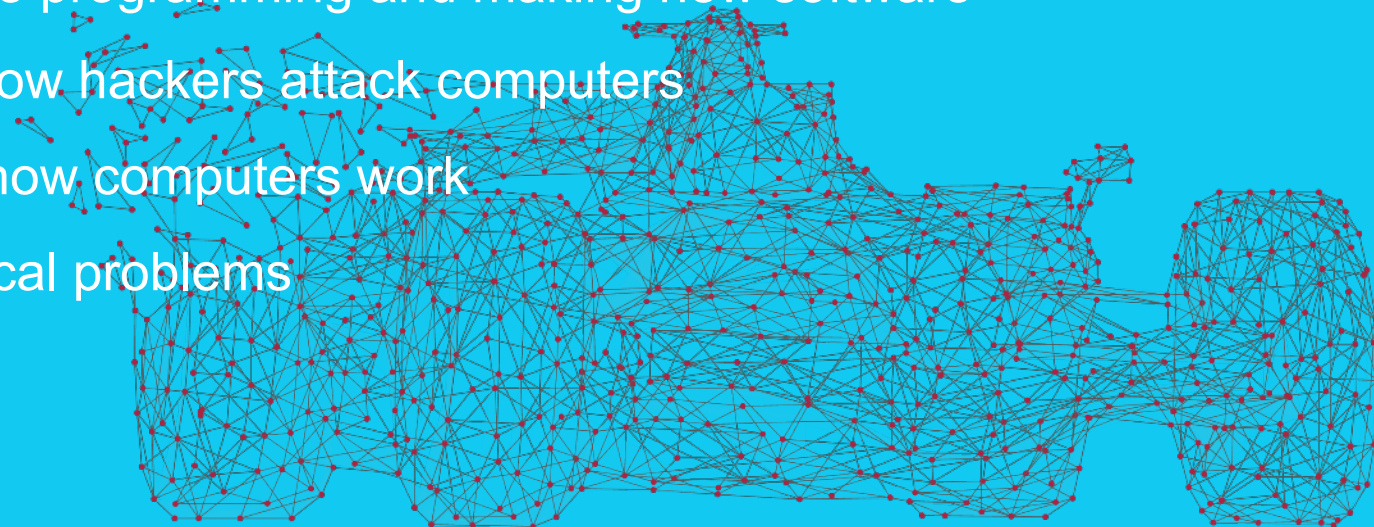
# Do you like...?

Maths  
Creating  
Programming  
**Logic**  
Problem solving  
Hacking  
Technology  
Internet



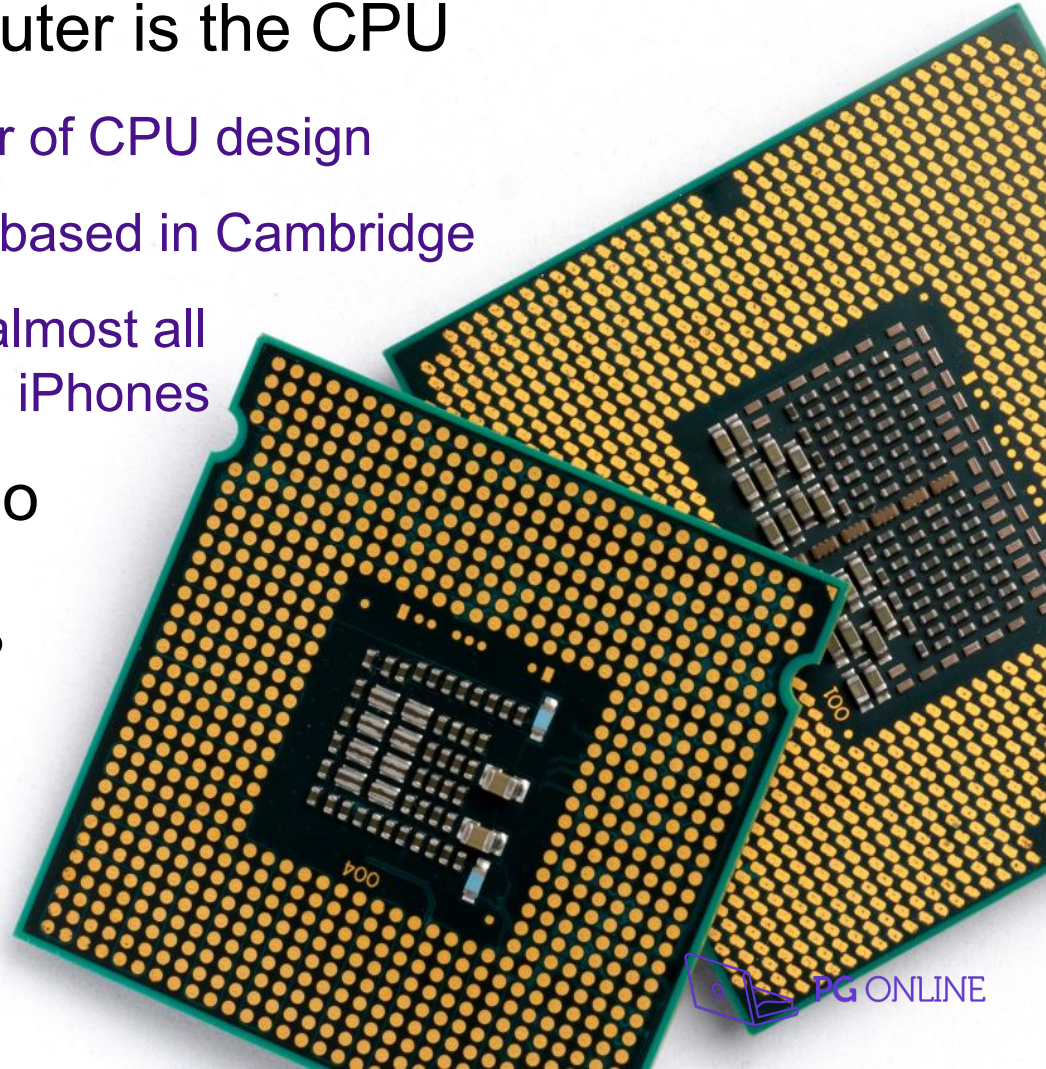
# Why choose CS?

- Computers are changing every part of our lives at an ever increasing rate – why not drive the future?
- In this GCSE:
  - Develop cyber security skills
  - Learn a range of different software
  - Experience programming and making new software
  - Find out how hackers attack computers
  - Discover how computers work
  - Solve logical problems



# CPU design

- The brain of any computer is the CPU
  - The UK is a world leader of CPU design
  - Made by ARM, who are based in Cambridge
  - ARM chips are used in almost all mobile phones including iPhones
- Are you the person who will design the next generation of devices?





# Drones

- Drones are already used for film making, search & rescue and surveying
  - In the future, deliveries to your house could be made by drone
  - They will need programmers to tell them where and when to go each day
- Would you like to be a part of this future?



# Robotics

- We are finding more and more uses for robots
  - Robotic vacuums in the home
  - Car assembly
  - Clearing mines in a war zone
- To make a robot you need to have a good understanding of how computers work and how to program them



# A strong games industry

- The UK is well known for its games development
- The following were all made in the UK:
  - Grand Theft Auto (Edinburgh)
  - Elite Dangerous (Cambridge)
  - Candy Crush (London)
  - Batman: Arkham (London)
  - Sonic Forces (Leamington Spa)
  - Burnout Paradise (Guildford)



# Computer Science at GCSE Level

Paper	Assessment	Weight
One	Theory – 1 hour 45	60%
Two	Programming – 1 hour 45	40%
Note: Both are written Papers		

DESC IT Exam Performance
A*/A - 70% (DESC) vs. 20% (UK)
A*-C - 100% (DESC) vs. 40% (UK)
ALIS Residual: +0.75

Future Options
Advanced Level CS (DESC)
Self Employment
Apprenticeships
Career Pathways

## Further Information

- Mr. Rawat
- Subject Teacher



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Dare Excel Share Create





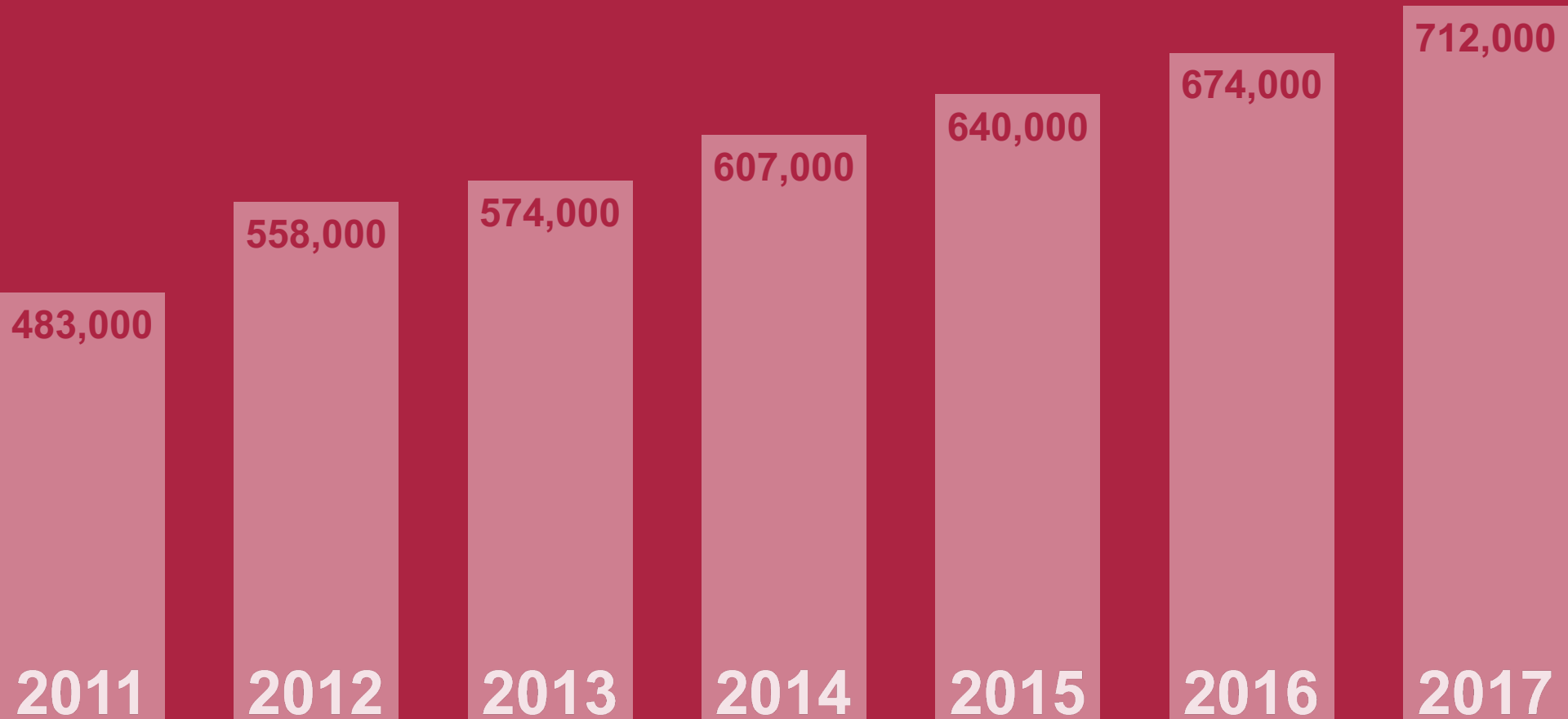
# Big companies in the UK

- Major international companies are present in the UK and looking for bright new talent
  - Google
  - Microsoft
  - Apple
  - Samsung
  - Facebook
  - Intel



# Equip yourself for success

- IT, programming and computer services have an ever-growing number of jobs in the UK



# Will you make the next BIG app?





# Big careers in...

Systems engineer  
Design **Robotics**  
Future careers electronics  
Games **Web** Cyber-Security  
Data **Entrepreneur** App  
analysis UX/UI Programming  
Consultant





The world needs **YOU**  
to help develop the future.

**Are you in?**

