

COMPUTING  
SUMMER SCHOOL  
KEYSTAGE 3

JULY 2014

# WELCOME!

---

Mark Clarkson

Teacher

Head of Department

Hub Leader

Master Teacher

Board Member

Dogsbody



# AGENDA

---

- 09:30 - Introduction
- 10:00 - Programming for Keystage 3
- 12:00 - Lunch
- 12:45 - Encryption
- 14:00 - Searching & Sorting
- 15:00 - Plenary

# ONE LINK

---

pi.mwclarkson.co.uk

# WHERE ARE WE?

## THE NEW CURRICULUM

---

- New **statutory** curriculum for KS3  
*Computing* from September
- At least 4 GCSE qualifications in  
*Computer Science* (plus many more for  
ICT and digital media)

# KS3 CURRICULUM

---

- Real world problems & physical systems
- Understand and compare algorithms
- Use programming languages
- Understand simple boolean logic and binary
- Understand hardware and software
- Binary representation
- Creative projects
- Create, re-use and revise artefacts
- eSafety

# KS4 CURRICULUM

---

- Provide opportunities to study aspects of ICT and Computer Science
- Develop capability, creativity and knowledge
- Skills in analysis, problem-solving, design and computational thinking
- eSafety

# HELP?!?

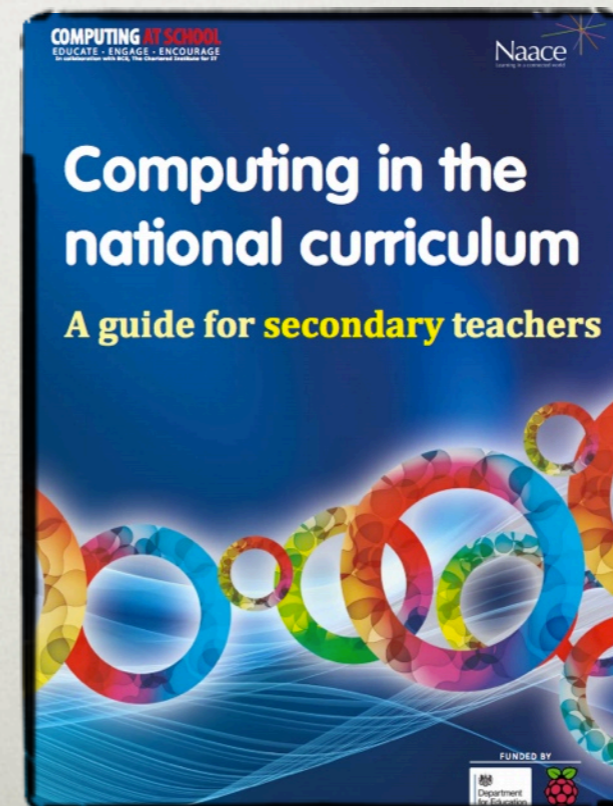
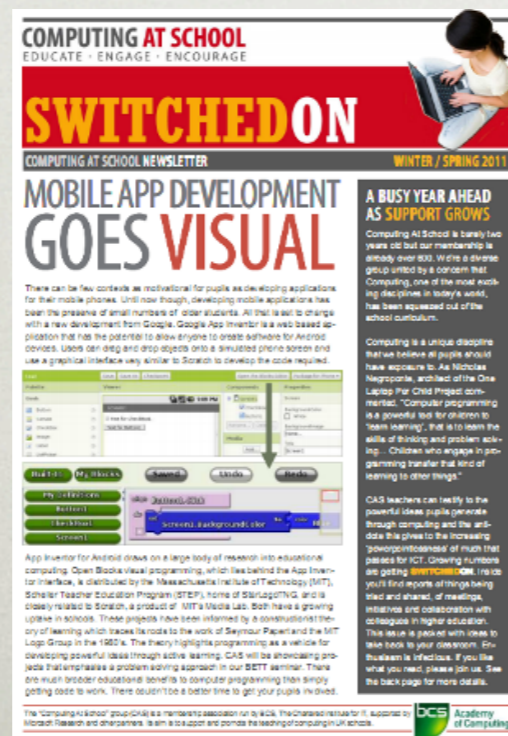
---





# WHERE ARE WE?

## COMPUTING AT SCHOOL



# WHERE ARE WE?

## COMPUTING AT SCHOOL

---

- 13 037 CAS members
- 109 CAS Hubs
- 1 951 Resources
- 93 Level 2 Master Teachers
- 233 Applicants for Master Teachers
- ~30 Computing At School/BCS Certificates issued
- Over £2m pledged from the DfE to support the NoE

# QUESTIONS SO FAR?

---

# FREE RESOURCES & ADVICE

---

- CAS Community Site
- Various Facebook groups
- TES Forums
- Barefoot Computing
- CS4fn / CSUnplugged
- Hub Meetings
- [pi.mwclarkson.co.uk](http://pi.mwclarkson.co.uk)

# PAID RESOURCES & CPD

---

- **CAS Master Teacher sessions**
- Teach-ICT
- *Hodder Compute-IT\**
- *PGOnline\**
- *Boardworks\**

*\* Full disclosure: I have a working relationship with these organisations*

# FEEDBACK

---

<https://www.surveymonkey.com/s/NOEFirstFeedback>