KS3 Ladder of Resources

DFE Computing Curriculum Subject Content Covered:

Key Stage 3 Subject Content:
・ All sections

Explanation of Resource:

This is an initial list of resources to allow teachers to migrate their existing resources from the traditional approach to the new National Curriculum
There are 9 steps in the "Subject Content" section of the curriculum.
We have named each of these steps and have suggested start point resources to aid teachers to more easily adopt the new curriculum.
Digital Confidence desired outcomes for the National Curriculum starts with creating Digitally Confident Teachers!
We have inserted an additional step - Step 0 which we have named Framework

The Ladder of Resources:

Step 0 - Framework
- https://sites.google.com/site/primaryictitt/
- Hack the Curriculum http://casinclude.org.uk/cs4free
- www.teach-ict.com (some resources are paid)
- http://mattbritland.com KS3 SOW
 Supporting the introduction of the framework teachers might consider developing a Digital Leaders Program

Step 1 - IOT & Control Systems
- Raspberry Pi Traffic light recipe

Step 2 - Algorithms
- digital school house - get with the algo-rithm

Step 3 - Programming
- CAS Computing resources
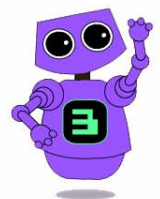- Tour of Bletchley Park & National Museum of Computing

Step 4 Boolean Logic
- SEO
- Excel
- Logoic Lab
- Raspberry Pi traffic light recipe

Resource Contributor/s:
@rylowe7, @jacquitaylorfb, @dal_jit, @carolin3mill3r, @4goggas

COMPUTING AT SCHOOL
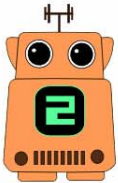EDUCATE · ENGAGE · ENCOURAGE
In collaboration with BCS, The Chartered Institute for IT

HACK THE CURRICULUM
#include - casinclude.org.uk

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Contd from previous page...

 Step 5 - Web/HW/SW
- OCR Raspberry Pi getting started resource booklet
- CAS YR7 HW & SW unit
- singing Jelly Baby recipe raspberry Pi

Step 6 Data & Instructions
- Sonic PI
- Mark Dorling resources on hack the curriculum site
- bitmap graphics

Step 7 Creative Projects
- research, independent study
- codeavengers
- wordpress
- range of devices

Step 8 - Digital Artefacts
- Prezi
- Blogs
- web design

Step 9 - Digitally Confident
- makewaves
- CEOP
- Childnet
- Simon Finch - http://simfin.wordpress.com
- multimedia using images/videos to support blogs

This lesson would best suit...

All

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