















Create and Develop Programs	Reasoning	Networks and Search Engines
<p>  Redfern electronics Crumble Kits https://redfernelectronics.co.uk/crumble-getting-started/ Crumble Lighthouse project – TES </p> <p> Variables – what is a variable?  https://www.bbc.co.uk/bitesize/topics/zs7s4wx/articles/zw3dwmn </p> <p> Introduction to variables unplugged activity: what's the score?  Variables </p>	<p> Make a Game Project- can be adapted to suit topic Scratch or Kodu      Creating Decomposition Programming Debugging Evaluation </p> <p> https://barefootcas.org.uk/programme-of-study/design-programs-accomplish-specific-goals/ks2-make-a-game-project-design-write-and-debug-programs/ </p> <p> Logical Reasoning Unplugged Activity: Sudoku  Logic https://barefootcas.org.uk/barefoot-primary-computing-resources/concepts/logic/ks2- </p>	<p> Modelling the Internet Activity https://barefootcas.org.uk/programme-of-study/understand-computer-networks-including-internet/ks2-activity-modelling-the-internet/ </p> <p>     Computer Networks Internet Services Computer Systems Abstraction </p> <p> How do search engines work?  https://www.bbc.co.uk/bitesize/topics/zs7s4wx/articles/ztbjq6f </p>

<https://barefootcas.org.uk/programme-of-study/work-variables/ks2-introduction-to-variables-unplugged-activity/>

Year 5- Scratch Project

Folder: Computing Scheme of Work KS2

Creates simulations using algorithms and decompositions. Starts with a disco simulator and then let's children create own simulator like traffic lights.

Scratch –
Working with
Variables



<https://www.barefootcomputing.org/my-barefoot/learning-objectives/work-with-variables>

[introduction-logical-reasoning-unplugged-activity-sudoku/](https://www.barefootcas.org.uk/programme-of-study/use-logical-reasoning-explain-simple-algorithms-work/ks2-logical-number-sequences-activity/)

Followed by:

Logical Number Sequences Activity



<https://www.barefootcas.org.uk/programme-of-study/use-logical-reasoning-explain-simple-algorithms-work/ks2-logical-number-sequences-activity/>

Ranking Search Activity



Search Technologies

<https://www.barefootcomputing.org/my-barefoot/learning-objectives/appreciate-how-results-are-ranked>

Using Programs

Investigating Inputs



<https://www.barefootcomputing.org/my-barefoot/learning-objectives/work-with-various-forms-of-input>



Smart Homes

Looking at smart technologies which can now be used in our homes e.g. turn on lights by phone, heating systems, google

assistants etc.

Safe Use

Be Internet Legends.

https://beinternetawesome.withgoogle.com/en_uk/toolkit



Fakebook – what can we trust online? Be who you want to be.



NSPCC – Share Aware

<https://www.nspcc.org.uk/preventing-abuse/keeping-children-safe/share-aware/>

Year 5 LTP/Computing Resources



ThinkUKnow – Bandrunner game

https://www.thinkuknow.co.uk/8_10/