

Coding with Young Learners: Why and How

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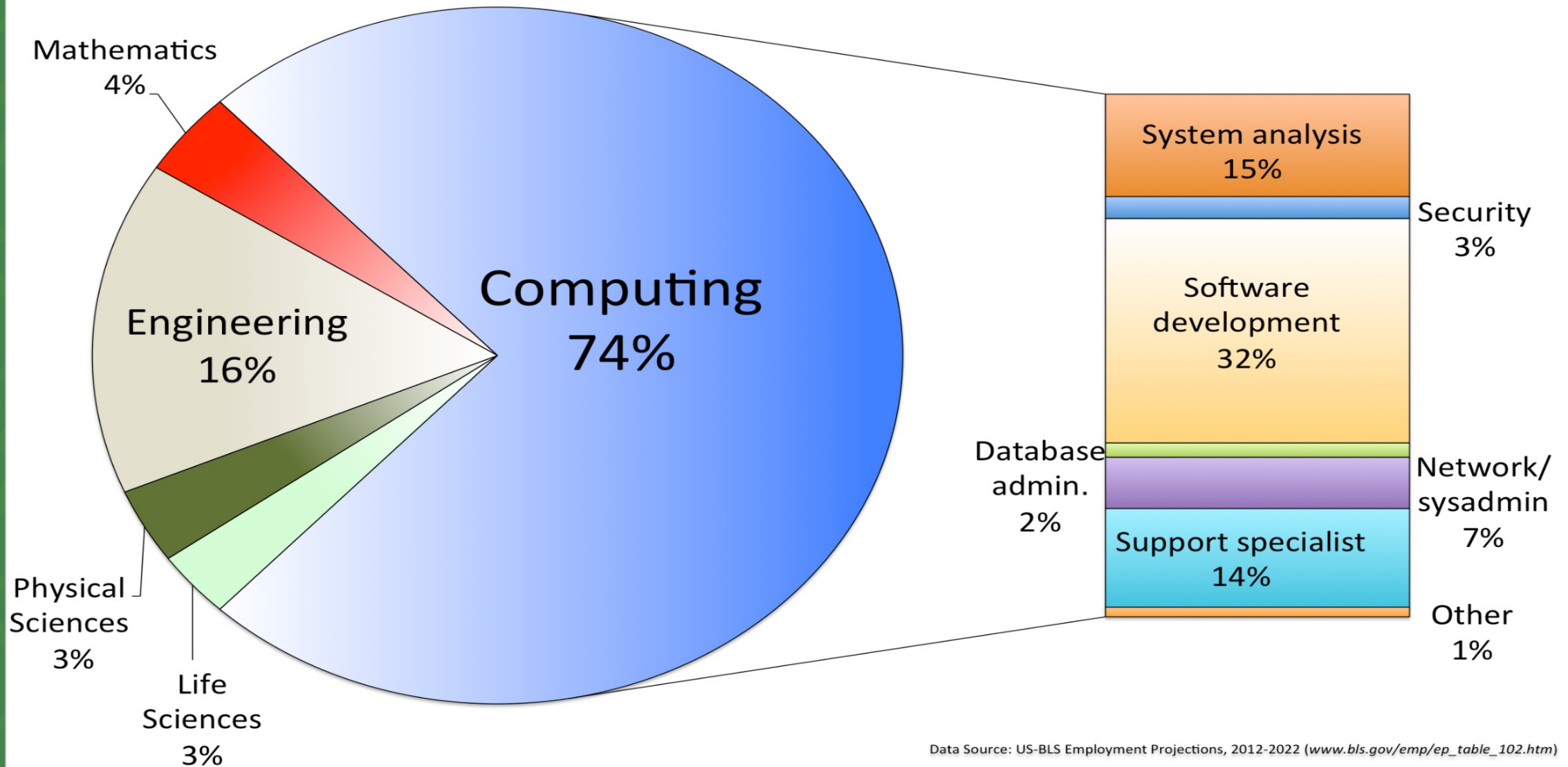
Let's Play a Game!

QR CODE



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US-BLS New U.S. STEM Jobs Through 2022 by STEM %



Data Source: US-BLS Employment Projections, 2012-2022 (www.bls.gov/emp/ep_table_102.htm)

Coding/Computer Science

- What is it?
- Why we use it?
 - Computational Thinking



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Transportable Skills

These characteristics are supported by the following attitudes and abilities, which are essential dimensions of computational thinking:

Confidence in dealing with complexity	Persistence in working with difficult problems	Tolerance for uncertainty
Recovery from failure	The ability to logically formulate a solution to open-ended problems	The ability to communicate and collaborate with others to achieve a common objective

How?

- How can you integrate PLTW Launch CS in the classroom?
 - Scratch Jr or Scratch
 - Rosie
 - iMovie
- Cross-Curricular Opportunities
 - ELA & Math
- Reflection & Share Out



PreK-5th

Introduction to Scratch Jr/Scratch

- Tutorials
 - Getting Started
- Discuss:
 - What are the benefits?
 - How can this be integrated into core content?
 - How would you facilitate this?

Questions?

