

## **STEM Resources**

- [STEM Learning](#)
  - STEM subject activities to do at home that are available for all ages.
- [BT](#)
  - Computing curriculum and highlight the skills children need to become digital citizens. Ideal for 4- 11 year olds.
- [HM Government](#)
  - Engineering Activity Zone - Has lots of activities to get children thinking and building like engineers.
- [BPES](#)
  - Free Home Learning resources for primary and secondary pupils.
- [Royal Academy of Engineering](#)
  - STEM Curriculum for KS2/3/4 that has been put together by teachers and engineers to help inspire students about a career in engineering.
- [Tynker](#)
  - A platform for children to learn code at home for FREE.
- [StudyMaths](#)
  - Range of resource to support GCSE maths revision at home.
- [Science lessons](#) (YouTube)
  - Range of self-study videos on all science topics
- [MathsDIY](#)
  - Online past papers, resources and tips with the WJEC specifications.
- [The Maths Teacher](#)
  - Virtual classroom full of lessons, videos, exam questions available to download.
- [Teach it Maths](#)
  - Maths worksheets that are curriculum based for KS3/4/5
- [Corbettmaths](#)
  - Free video tutorials, practice questions, puzzles and activities for all ages.
- [Numeracy Ninjas](#)
  - Resources to help run sessions for KS3 mental calculation strategies.
- [W3schools](#)
  - Resources for teaching Python & Javascript
- [Code Academy](#)
  - Online resources for learning HTML
- [App Inventor](#)
  - Resources to build apps
- [CS4FN](#)
  - Digital magazine for pupils.
- [Microbit](#)
  - Online resources to guide pupils using microbit.

- [Make Code Arcade](#)
  - Able to design your own online retro games.
- [Minecraft](#)
  - Education edition to try a free coding lesson.
- [CSNewbs](#)
  - Computer science education resources.
- [Strive Academy](#)
  - STEAM activities that students can complete at home. They also do live sessions on Facebook at 10:00 am, Mon-Fri
- [Explore Engineering](#)
  - Engineering activities
- [Open Learn](#)
  - Free online courses for ages 16-18.
- [Practical Actions](#)
  - STEM challenges, that are perfect for ages 7- 14. Encourage children to come up with their own solution to a global problem.
- [Guide Dogs](#)
  - STEM projects, home challenges for children to complete.
- [Twig](#)
  - Free resource with hundreds of lesson plans, visuals and other classroom resources.