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ICT TOOLS TO LEARN MATHS

“Become European Math Champions”

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CROATIA - GREECE - ITALY

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TO CREATE CONTENT



Canva

<https://www.canva.com/>

Canva is an online design and visual communication platform with a mission to empower everyone in the world to design anything and publish anywhere.

Genially

<https://genial.ly/>

Genially is a tool for interactive content creation. It allows to create interactive content.



genially



Kahoot!

kahoot

<https://kahoot.com/>

Kahoot! is a game-based learning platform that makes it easy to create, share and play learning games or trivia quizzes in minutes.

TO CREATE CONTENT



Google sheets

https://play.google.com/store/apps/details?id=com.google.android.apps.docs.editors.sheets&hl=en_US&pli=1

Google Sheets is an online spreadsheet app that lets you create and format spreadsheets and work with other people. It allows to work with data and create graphics easily.

Google slides

<https://play.google.com/store/apps/details?id=com.google.android.apps.docs.editors.slides&hl=en>

Google Slides is an online presentation app that lets you create and format presentations and work with other people.



QR codes

<https://www.qrcode-monkey.com/>



QRCode Monkey is one of the most popular free online qr code generators with millions of already created QR codes. QR codes can be used in Treasure Hunts or to access easily to websites or online documents or videos.

TO PRACTICE MATHS



Mathigon

<https://mathigon.org/>

Free math tools, courses and manipulatives to make online learning more interactive and engaging.

gcompris

<https://www.gcompris.net/index-en.html>

GCompris is a high quality educational software suite, including a large number of activities gme orientated for children aged 2 to 10. Include activities to practice: reading, arithmetic, science, culture,



Geogebra

<https://www.geogebra.org/>



Geogebra include free digital tools for class activities, graphing, geometry, collaborative whiteboard among others.

TO PRACTICE MATHS



There is another version in other European languages:



Cokogames Cokitos

<https://www.cokogames.com/> <https://www.cokitos.com/>

Online and interactive educational games for kids, online and interactive to play, without downloading, for children in primary and secondary schools, also for adults. Discover unblocked educational games to learn, review content, improve digital skills and reinforce learning from school and from home.

Academia

<https://academia.cienciaviva.pt/recursos/>

Academia Ciência Viva supports educators and teachers from pre-school to secondary education by providing resources, working tools, training, knowledge and good practices to promote their personal and professional enrichment as well as facilitating educational decision-making.



Photomath

<https://photomath.com/>



Photomath is the world's most useful math learning platform, with millions of learners of all levels checking homework, studying for tests, and making new math discoveries

TO PRACTICE MATHS

Thatquiz

<https://www.thatquiz.org/>

The logo for 'thatquiz' features the word 'thatquiz' in a lowercase, bold, sans-serif font. The letters are black and are set against a light gray rectangular background.

Thatquiz is a free service for teachers who want to replace paper tests with online testing. It also includes an online grade book providing fast analysis of class and individual student progress. It is useful for math practice and testing. Teachers can also share the resources they create.

Wordwall

<https://wordwall.net/>

Wordwall.net allows teachers to create interactive games and printed materials for their students. Teachers simply enter the content they want and the platform automates the rest. Materials from other users can be used.



Wordwall

I'm a puzzle

<https://im-a-puzzle.com/>



I'm a Puzzle is a platform where can be played thousands of online jigsaw puzzles for free. It can be found picture puzzles of all types and also create a puzzle from an uploaded image.

TO PRACTICE MATHS

Jigsaw planet



<https://www.jigsawplanet.com/>

it's a web resource where can be found free jigsaw puzzles created by a large community. It allows to create, play, share jigsaw puzzles and compete with other users.

Phet_Interactive

<https://phet.colorado.edu/en/simulations/filter?subjects=math&type=html,prototype>

PhET provides free, interactive, research-based science and mathematics simulations. They are written in HTML5 (with some legacy simulations in Java or Flash), and can be run online or downloaded to the computer. All simulations are open source.



Maths through stories

<https://www.mathsthroughstories.org/>



MathsThroughStories.org is a non-profit and research-based initiative, based at the University of Reading's Institute of Education (UK). It sets out to help mathematics learners around the world develop their conceptual understanding in mathematics and to help them foster positive attitudes towards the subject through the power of storytelling.

TO PRACTICE MATHS

Minecraft education



<https://education.minecraft.net/en-us>

It is a game-based learning platform set in the Minecraft universe. It has a global community of educators with the idea of bringing the power of play to classrooms around the world, sparking creative and inclusive learning. The programming language produced in the Minecraft tool brings the possibility to program interactive games.

Wizer.me

<https://app.wizer.me/>

Application that allows you to create interactive worksheets. They can include video, audio, images and questions of various types (open answers, multiple choice, pairing...). Student responses are automatically graded, except for open-ended questions. Teachers can create their own worksheets from scratch or use those created by other teachers. It offers a free version and a paid version.



Liveworksheets

<https://www.liveworksheets.com/>



Liveworksheets allows you to transform your traditional printable worksheets and classwork (doc, pdf, jpgs) and turn them into interactive online exercises with automatic grading, making them... live! It has also a bank of worksheets that can be used for students and teachers.

CODE & ROBOTS



Scratch

<https://scratch.mit.edu/>

Scratch is a free programming language and online community where you can create your own interactive stories, games, and animations.

Code Rocky

<https://support.makeblock.com/hc/en-us/articles/12990942477847-A-Beginner-s-Guide-to-Codey-Rocky>

Codey Rocky enables children to learn about the basics of programming through playing and creating. Used in combination with mBlock 5, Codey Rocky supports block-based and Python programming. It integrates AI and IoT technologies, allowing children to engage with and understand cutting-edge technologies, so that children can become more competitive in the age of intelligence.



mBot

<https://support.makeblock.com/hc/en-us/articles/12822859943959-A-Beginner-s-Guide-to-mBot>



With a screwdriver and step-by-step instructions, children can build their own robots from scratch and enjoy the fun of hands-on creation. The building process provides a perfect opportunity to introduce to kids the basics of robotic mechanical and electronic parts. They can easily get started with block-based programming to play with mBot.

CODE & ROBOTS



Cozmo

<https://scratch.mit.edu/>

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CODE & ROBOTS

Cozmo



<https://ankicozmorobot.com/>

The Cozmo Robot has sensors and cameras that can read and respond to the physical world in a way similar to how humans do. It can absorb human-like responses from encounters and experiences, allowing it to learn and adapt over time..

3D printers

3D printers are machines that create three-dimensional objects by adding material layer by layer. They work by taking a 3D computer model, slicing it into thin horizontal layers, and then depositing or curing material to build the object according to these layers.



3D glasses- Virtual world



3D glasses, commonly used in the context of virtual reality (VR) or 3D cinema, are designed to enhance the perception of depth and realism in a virtual world. A immersive and three-dimensional experience is created for the user, making them feel like they are inside a virtual world.



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