edugraal

Caja de herramientas pedagógicas
Herramientas de juego

Generador de adivinanzas

Para que su aventura sea desafiante y atractiva, puede decidir incluir una serie de acertijos o acertijos que los alumnos deben resolver para progresar a lo largo de la historia u obtener ventajas y recompensas. Dichos acertijos pueden basarse en lecciones y consistir en preguntas o ejercicios simples, pero si desea variar estos elementos de su aventura, es posible que deba inspirarse en los recursos y herramientas existentes disponibles en línea.

Una de estas herramientas se creó para el proyecto STEAMER de Erasmus+, que incluye salas de escape centradas en la educación STEAM. Este generador de acertijos te permite filtrar a través de 49 acertijos diferentes de 8 tipos, ofreciendo ejemplos y herramientas en línea o sitios web gratuitos para ayudarte a crear contenido. La mayoría de estos acertijos se pueden adaptar fácilmente con diferentes formatos o contenidos según tus necesidades y deseos.

Enlace a la herramienta:
https://steamerproject.eu/acertijo/

Un par de ejemplos:

Clock riddle

Encrypted code to different clocks with different displayed times.

Does it require an electronic device? No

- In this riddle we will use as many clocks as the digits of the password. Imagine we have a password 4-7-2 to unlock the lock. For this example, we will need three clocks:

- One that's says 4 o'clock
- One that's says 7 o'clock
- One that's says 2 o'clock

It could be displayed as time of different regions on earth with different time zones. For example, Athens (4 o'clock), Dhaka (7 o'clock) and London (2 o'clock)

Another example would be to have two clocks for a six-digits code (e.x. 2:32 and 3:45)

Steganography

Hide a message in a character grid.

Does it require an electronic device? No

In this example, we will use the **free scape.enepe.fr website** which allows you to create a secret message by integrating it into a character grid, but it is possible to use **other websites** that offer the same manipulation.

- Click on the link to access the character grid.
- In the "Secret message" box, enter the message to be revealed (text, word, numbers…).
- In the "Key" box, specify the characters that will reveal the boxes to be coloured.
- In the "Parasite" box, indicate the parasitic characters completing the grid. Here, three methods are possible: personalised with a maximum of 10 characters, automatic with numbers or automatic with lower case letters.
- You can show or hide the solution by clicking on the pencil symbol.
- Once you have written your secret message and personalised it, validate it by clicking on the two intersecting arrows. You can then print the grid by clicking on the printer symbol. You can also print the solution.
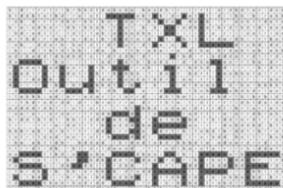
🖇 Find it here

Riddles

You will find here a library of riddles you can use to create your own escape room.
Riddles can require sometimes specific materials or electronic devices to work.

Riddle Type

☐ Written Puzzle	(19)
☐ Physical Activity	(7)
☐ Pattern Puzzle	(14)
☐ Mathematic Puzzle	(2)
☐ Lock	(4)
☐ Graphic Puzzle	(1)
☐ Code	(15)
☐ Anagram	(1)

PENCIL TRADE	THE EGG RIDDLE	ABCD CODE TASK
ANAGLYPH MESSAGE	COLOR MESSAGE	FAKE RUSSIAN
GRAPHIC CROSSWORD	HIDDEN QUESTION	MENDELEEV'S MESSAGE
OPTIC RIDDLE	RUBIK'S ANAGRAM	SECRET SCREEN
SIGNS	TILT TO READ	WORD-MAZE

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