



# Morgane's vengeance



## Scenario Conception and room setup



### Items' index

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#### Phase A

- Table (i7)
- 1 Chair
- Text I1
- Fake candle
- Candlestick
- Coat of arms I4
- Pucks
- Puck sides A
- Puck sides B
- Frame "Coat of arms"
- Chest n°1
- Chest n°2
- Cryptex
- Door key



## Phase B

- Piece of furniture
- Communication box
- Photos
- Lock 1
- Lock 2
- Key n°1
- Key n°2
- Mirror

## Phase C

- Magic wand (UV light)
- Craved swords & hooks to hang them
- Library
- Book
- Frame "Runes to alphabet"
- 3 Figurines (I10)
- Pucks
- Frame "Text I13"

## Additional decor elements (optional)

- Framed portraits
- Additional fake candles



## Detailed conception

See the complete diagram attached for the correspondence with the "Ix" objects

### I1 - Torn parchment text about the knights

#### Material requirement

Coffee, paper, candle, small ball of cotton or sponge

#### Explanations

Follow this guide to make parchment-like paper:

<https://www.craftsuprint.com/projects/paper-craft/making-and-transforming-paper/how-to-make-parchment-like-paper-for-writing.cfm>

Write the sentences about knights below on it and draw a symbol on its back. Then tear it into pieces.

After the battle of Salisbury, at the request of the mortally wounded king, Bedivere cast away the sword Excalibur.

Before Camelot was taken back, Perceval knelt and rose as a knight.

Sir Lancelot dreamt about the death of Queen Guinevere thrice in one night.



Gosanain abode to his oath, but Gawain thought he did not.

Sir Galahad was not cursed with death and was the only survivor after sitting on the siege perilous.

Many times, the king was restored thanks to the help of Sir Degore, his Cup bearer, without ever fearing poison.

Sir Kay found and killed the giant of Mont Saint-Michel with Arthur.

Sir Bors' vow of celibacy was never broken, even when a woman threatened to kill herself if he did not sleep with her.

Sir Tristan locked lips with Yseult.

You probably heard or read that Sir Brunor wears his dead father's bloodied coat, which he has vowed not to take off as long as his father is not avenged.

Awoken after his defeat in joust, Sir Hector was ashamed of losing against a Knight of Cornwall.





## I2 - Parchment with runic sentence

Use the same technique as above (I1).

Write the following sentence on it:

DM • RNTM • P • MNHT • BM • N4MM • TF • BRMFk • DM • 4CMIT •

## I3 - Cryptex

A. Crafting the cryptex – easy

### Material requirements

Cardboard, toilet paper rolls, kitchen towel roll, pringle cans, paper,

### Explanations

Follow this tutorial but adapt it to have a 12 inputs code. Otherwise, you must add to the round table signifiers that select 6 blazons among all of them.

<https://www.jeuxetcompagnie.fr/cadeau-avec-code-secret-cryptex-carton/>

Put the key of the second room inside



## B. Crafting the cryptex – complex

### Material requirements

Cardboard

### Explanations

Follow this tutorial but adapt it to have a 12 inputs code. Otherwise, you must add to the round table signifiers that select 6 blazons among all of them.

<https://www.youtube.com/watch?v=CFVFvj5c8IE>

Here is the solution:



## I4 - Coat of arms

### A. Crafting coat of arms – easy

### Material requirement

Printer or drawing material, good quality paper

### Explanations

Print the coat of arms on the good quality paper or draw them yourself.



## B. Crafting coat of arms – complex

### Material requirement

Large foldable piece of paper, card box, marker, newspaper or A4 paper, tissue paper, pva glue, water, black tissue or crepe paper, poster, or acrylic paint

### Explanations

You can do an adaptation of this tutorial to do a shield painted with the coat of arms instead of a mask:

[https://www.youtube.com/watch?v=b1Ld\\_rFvpUE](https://www.youtube.com/watch?v=b1Ld_rFvpUE)

### Coat of arms Knights of the Round Table





## I5 - Pucks

### Material requirement

Magnets, wooden pucks or wheels, glue



### Explanations

Pierce or extend holes inside the wooden pucks/wheels. Put a bit of glue inside and insert the cylindrical magnet. Beware of the positive/negative poles before inserting: check another magnet and keep track of which side is attracted. Use this side for the corresponding puck (verb + blazon).

Draw or stick a piece of paper with each blazon on 12 sides of pucks.

Write the 11 verbs below on the 11 remaining pieces.

The last piece does not have a verb. It will be on King Arthur's puck.

Form three pucks (your choice) plus the one of King Arthur.

Percival = knelt

Lancelot = dreamt

Gawain = abode

Galahad = cursed

Degore = restored

Kay = found





Bedivere = cast

Bors = broken

Tristan = locked

Brunor = read

Hector = awoken

## I6 - Runes

Below is a table of the runes that will appear in the room. The ones in the second column are red herrings.

Runes on the table	Additional runes to add to the room	
⌘	ᄀ	ᄁ
ᄂ	ᄃ	ᄄ
ᄅ	ᄆ	ᄇ
ᄈ	ᄉ	ᄊ
ᄋ	ᄌ	*
ᄍ	ᄎ	ᄏ
ᄐ	ᄑ	ᄒ
ᄓ	ᄔ	ᄕ



## A. Crafting runes visual – easy

### Material requirement

Small Rocks, marker

### Explanations

Simply write the runes on small rocks using a marker. You won't be able to add rfid chips to these. You will need to use the easy version of the runes system.

## B. Crafting runes visual – complex

### Material requirement

Yogurt pots with flat bottom large enough to fit a rune or similarly shaped object, newspaper, sticky tape, aluminium foil, kitchen roll, pva glue, poster/acrylic paint, sand.

### Explanations

To create the runes, adapt this tutorial by using a more rune-like object, yogurt pot or not:

<https://www.youtube.com/watch?v=rH5jbThYKg0>



C. Rune system – easy

### Material requirement

None

### Explanations

If you cannot use electronic devices to automate the system, simply observe carefully your players when they interact with the table and manually trigger the end result (audio sound, electronic lighting of the table, etc.) when the players have found the correct solution.

D. Crafting runes system – complex

### With an Arduino

#### Hardware

- [Arduino](#)
- ID12LA
- ID12LA Breakout PCB (Or an [RFID starter kit](#))
- [Small Breadboard](#)
- Some [jumper wires](#)
- Solder and Soldering iron

#### Software

- Arduino IDE

#### Explanation:

- RFID tags guide: <https://lastminuteengineers.com/how-rfid-works-rc522-arduino-tutorial/>



- Arduino guide: <https://www.arduino.cc/en/Guide/Introduction>  
<https://www.youtube.com/watch?v=nL34zDTPkcs>
- Use RFID with Arduino tutorial:  
<https://www.youtube.com/watch?v=MdZKJBnQZsU>

## With a Raspberry pi

### Hardware

- Raspberry Pi 3
- RC522 RFID Module
- HDMI Cable
- LED
- Mouse + Keyboard
- Monitor/TV (with HDMI)
- Jumper Wires
- Micro USB Cable
- Breadboard

### Explanations

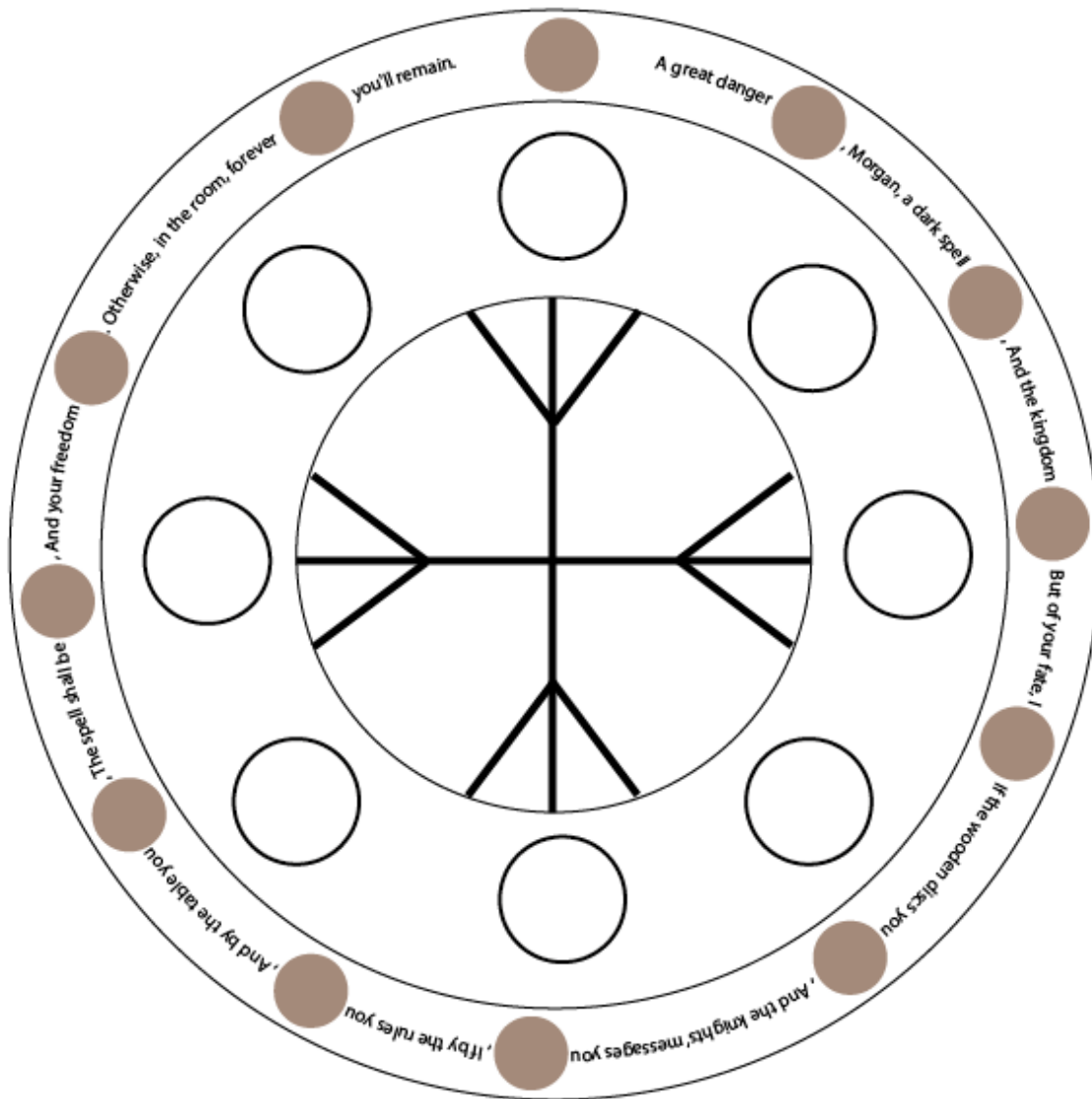
Use the following tutorial:

<https://www.deviceplus.com/raspberry-pi/integrate-rfid-module-raspberry-pi/>



## 17 - The round table

The round table should look like this:



A text with missing verbs on the outer rim. Missing verbs are materialized by puck slots (see pucks section). The inner circle presents the slots for runes (see runes section).

Below is the text that shall be written on the table. Holes in the text are meant to be filled in with the pucks mentioned above. The solution is available later in this document.



17.1 Circular text on the table:

A great danger has \_\_\_\_\_,

Morgan, A dark spell \_\_\_\_\_,

And the kingdom \_\_\_\_\_,

But of your fate, I \_\_\_\_\_.

If the wooden discs you \_\_\_\_\_,

And the knights' messages you \_\_\_\_\_,

If by the rules you \_\_\_\_\_

And by the table you \_\_\_\_\_

The spell shall be \_\_\_\_\_

And your freedom \_\_\_\_\_

Otherwise, in the room, forever \_\_\_\_\_ you'll remain.



## A. Crafting the round table - easy

### Material requirement

Round piece of material that you can put on a table, preferably a round table (plastic or wooden)

If you don't have this piece, use a tablecloth on which you'll draw the runes and pucks spots.

### Explanations

This version won't let you use automated RFID system, you'll have to use the easy version of the runes system.

Draw the outer rim text and draw the slots representing missing verbs by drawing around one of your pucks.

Draw the runes slots in a circular pattern like on the schema.

## B. Crafting the round table - complex

### Material requirement

Round piece of material that you can put on a table with a hole at its center, preferably a round table (plastic or wooden). Otherwise, a tablecloth.

### Explanations

Draw the outer rim text and carve the slots representing missing verbs in which your pucks can fit.

Carve the runes slots in a circular pattern and put your RFID detectors (see runes system) at the bottom of the slots. If you can hide the RFID detector by placing a hiding piece of wood or other material at the bottom of the slots it is even better.





Let the cables run between the round piece and the tabletop toward the center and hide the Arduino or raspberry pi device they are connected to under the table. It can be better to carve small grooves for the cables in order to not squeeze them.

If you want a simpler way, use a tablecloth similarly to the easy version and put the rfid sensors under the drawn slots. To prevent the runes from sliding, you can also cut the slots out of the tablecloth and fit in some placeholders, pieces of plastic or wood with rfid sensors under them.

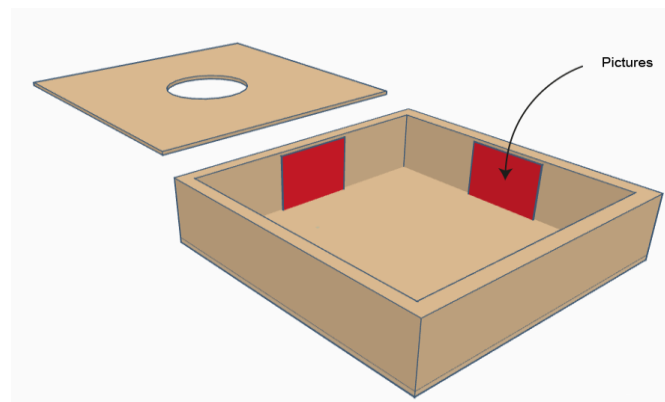
## I8 - The communication box

### Material requirement

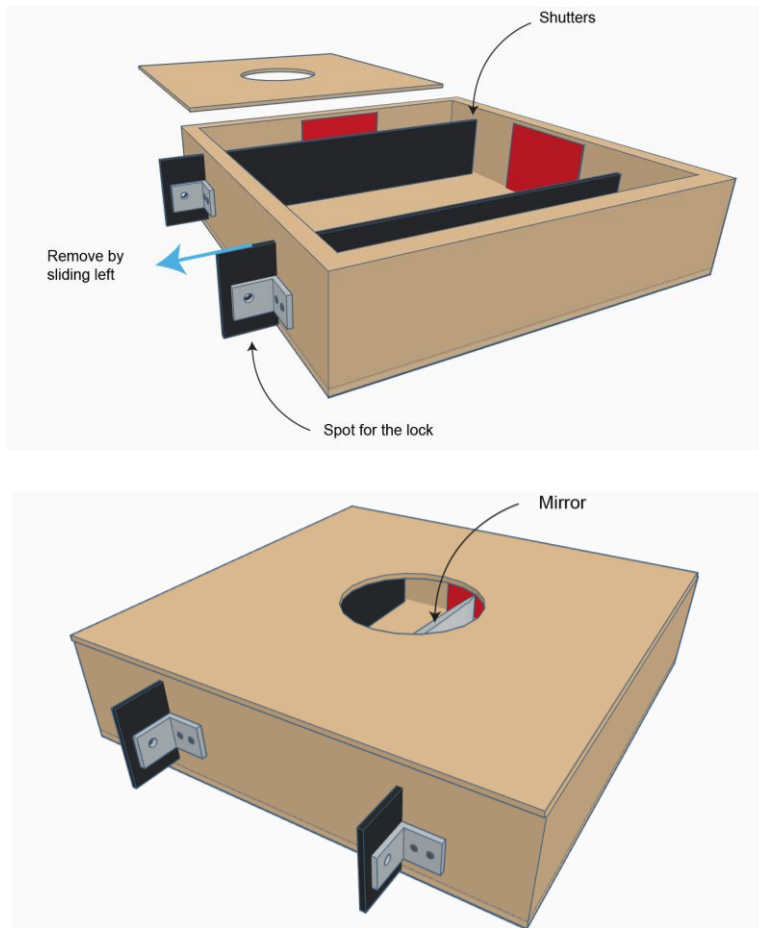
Wood planks, laminated wood, nails, basic wood work tools etc.

### Explanations

Use wood planks and laminated wood, nails, and basic tools to produce the following result.



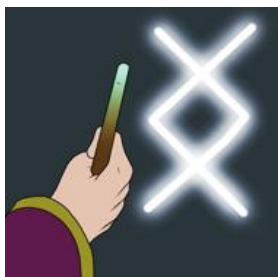




The red squares represent the images that serve as clue inside the box. There are one on each face, 2 are obturated by shutters that are locked and can only be removed by unlocking the locks.

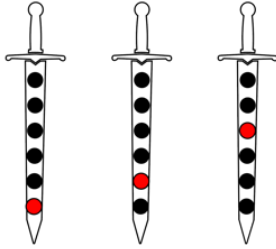
The images are the following:

- Merlin's wand illuminating hidden runes:



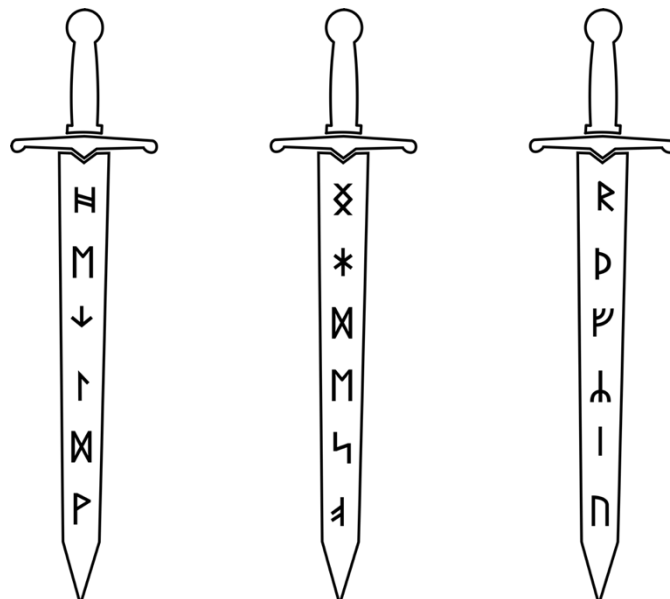


- There should be a picture of the book you chose to hide the rune codex paper in.
- There should be the picture of the figurine you chose to put the rune under.
- The three swords:



## 19 - The swords

The swords present runes on their surface. The following runes should be drawn on the swords:





A. Buy wooden / plastic sword – easy

### **Material requirement**

3 plastic or wooden swords, 3 hanging mechanisms

### **Explanations**

Draw the symbols on the sword following the scheme given above.

B. Craft the swords – complex

### **Material requirement**

Card board, tissue paper, pva glue, water, black tissue or crepe paper, poster or acrylic paint.

### **Explanations**

Use this tutorial but adapt it:

<https://www.youtube.com/watch?v=PvWEuXEu3OU>

Make a straight blade out of the cardboard. Don't paint it in wood imitation color but instead use the metal imitation technique from the video for the coat of arms:

[https://youtu.be/b1Ld\\_rFvpUE?t=219](https://youtu.be/b1Ld_rFvpUE?t=219) at 3:39



## I10 - The figurines

On the figurine you have chosen in the communication box, paint the following

runes: . Then, paint one of the following runes on each of the other figurines:



### A. Buy existing figurines – easy

#### Material requirement

3 Purchased figurines

#### Explanations

Purchase three figurines to display in the room (e.g. one or two horses, Excalibur in its rock, a crown, a cup looking like the holy grail or anything fitting the theme.)

### B. Craft the figurines – complex

#### Material requirement

3D printer (or fab lab access)

#### Explanations

Use the hero forge website: <https://www.heroforge.com/>, to create your figurines.

Once created, you can buy the 3D files and download them. These files can be used with a 3D printer to print your figurines. Contact a fab lab and ask directions on how to print your files.



## I11 - Merlin's wand

You can buy mini UV lights, that are small and thin. It is better to fit them inside the fake wands you are going to make.



### Material requirement

Foam tube or cone, glue, wood burner, air dryer, liquid latex, acrylic paint

### Explanations

Use the following tutorial: <https://www.youtube.com/watch?v=6NiVncb0Vxg>

Make sure to be able to insert your UV light inside and make sure you can access the on button.

Instead of a foam tube, you can use a foam cone and carve it to make it look more like a wand. You'll also have to make a cylindric hole inside to fit the UV torch.





## I12 – The translation table for runes to English

Proceed similarly to I2. Write the following table and frame it for a better effect.

Please note that the table uses English pronunciation. Adapt it to your own language's pronunciation if necessary or to use phonemes from the International Phonetics Alphabet (IPA) if your students are familiar with phonetics.

Phonetics runes														
ƿ	ƿ	ᚢ	ᚦ	ᚦ	ᚱ	ᚱ	ᚱ	ᚱ	ᚱ	ᚱ	ᚱ	ᚱ	ᚱ	ᚱ
F	V	U / OU	TH	TH	O	R	K	SH	W	H	N	I	Y	ZH
ᚠ	ᚡ	ᚢ	ᚣ	ᚤ	ᚥ	ᚦ	ᚧ	ᚨ	ᚩ	ᚪ	ᚫ	ᚬ	ᚭ	ᚮ
P	S	T	B	E/é	M	L	NG	D	A	AI	E	G	TCH	J
Alphabetic runes														
ᚦ	ᚧ	ᚨ	ᚩ	ᚪ	ᚫ	ᚬ	ᚭ	ᚮ	ᚯ	ᚰ	ᚱ	ᚲ	ᚳ	ᚴ
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
ᚵ	ᚶ	ᚷ	ᚸ	ᚹ	ᚺ	ᚻ	ᚼ	ᚽ	ᚾ	ᚿ				
P	Q	R	S	T	U	V	W	X	Y	Z				



### I13 – The translation table for runes to English

Proceed similarly to I2. Write the following text and frame it for a better effect.

Red sits above the King's chair.

Pink is across the table from the yellow.

Starting from red and turning clockwise, you have to pass over 2 colors to find the orange.

Black and violet are on both sides of pink.

Green is between red and orange, but closer to red and further from orange.

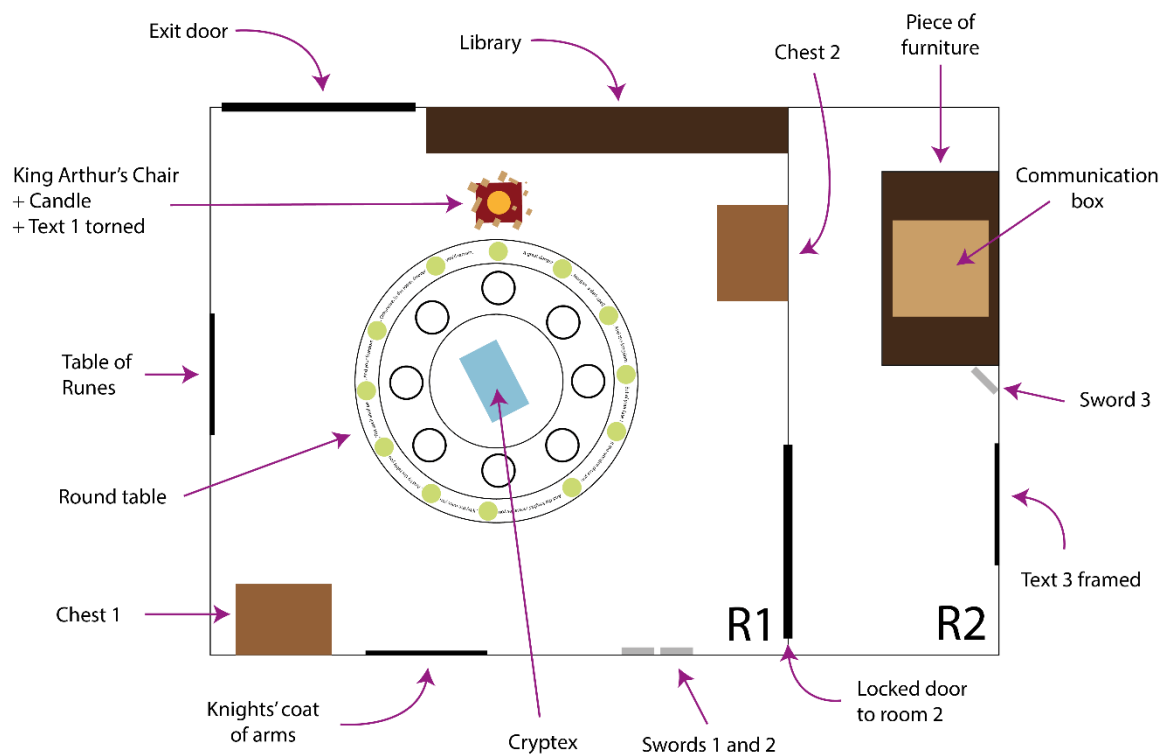
Two colors separate blue from black.

Blue is beside violet.



## Set up the room

The following image will help you visualise how the room to escape from could look like. This image is also in the annexe folder in a higher resolution.



Don't hesitate to add decorative elements and choose some music to improve the immersion of your players.

You can have a look at chapter 3 of our guide "Animation of a pedagogical escape room for language education" (which you will find [on our website](#)) to learn more about how you can make the game more immersive.





## Set up for Phase A

1. Place the crafted table in the centre of the first room.
2. Place King's Arthur puck on his slot on the table.
3. Assemble 3 pucks of your choice (coat of arm + verb)
4. Hide them in the room
5. Add the remaining coat of arm sides in a first chest.
6. Add the remaining verb sides in a second chest.
7. Place the chests at two different spots in the first room.
8. Display the figurine **I4** - Coat of arms of the Round Table Knights in a frame on a wall.

### Coat of arms Knights of the Round Table



9. Print the text **I1**, draw a big symbol on the back on the paper and shred it into pieces.
10. Display the pieces on a chair, next to a fake candle, set up on an old-looking candlestick.
11. Place the cryptex at the table's centre, with the second room's key inside.





### Set up for phase B:

1. Place the communication box on a furniture item, such as a cupboard or a chest of drawers.
2. Place two locks on the shutters.
3. Hide the first key in the first room and the second key in the second room.
4. Hide the mirror in the first room.

### Set up for phase C:

1. Create a library with many books in the room 1. Leave some shelves empty.
  - Make sure to use books that look old and used, to stay in theme.
2. Hide the rune sentence in the book you chose when building the communication box.
3. Display the table **I12**, to identify the runes, in a frame on a wall.
  - Adapt the table using your language pronunciation
4. Using invisible ink, draw the following runes: two in the first room and one in the second.

⌘ ⌘ M

5. Hide Merlin' wand (UV lamp) in the first room.
6. Place hooks for three swords on the walls of the first room.
7. Place two swords on the wall of the first room and one in the second room.
8. Place the five figurines on the library shelves (or elsewhere)
9. Hide the 24 runes pucks in both rooms.
  - Make sure to disperse the 8 runes that go in the table in both rooms.
10. Print the text **I13** and display it in a frame in the second room.



## Erasmus+

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