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THE TIME MACHINE



THE TIME MACHINE



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PRESENTATION 

Our new play in English, 'The Time Machine', is a show based on a historical fact: the invention of the atomic bomb.

The protagonists of our story really existed. This new adventure allows us to get closer to the figures of Robert Oppenheimer, Enrico Fermi, Leslie Groves and Elda Anderson. All of them were part of the Manhattan Project, whose aim was to create the atomic bomb. In our story, the main characters pursue this goal, to make an atomic bomb, but we introduce a fantastic element, the time machine, which will allow them to obtain a fundamental element for the bomb to work: uranium 235.

'The Time Machine' is a story full of action, music and humour that will undoubtedly make viewers reflect on many issues. In this project more than in any other we have tried to offer a play full of nuances and didactic values. Without losing sight of the fact that fun is the best way for our audience to learn and test their knowledge of English.

SYNOPSIS 

Robert and Enrico are a pair of scientists working under Leslie Groves. Leslie is a military officer, a general in the US army who needs the scientists to make the atomic bomb. But they can't find the element they need to make the bomb work.

One day Enrico calls Elda, a scientist friend of his. Elda discovers that what they need is uranium. Without wasting a second, they search the computer and discover that the uranium is in Stonehenge, a prehistoric monument in England. This is a problem because it is so far away. So, Elda comes up with the idea of using the time machine, an invention of Roberts, to get there faster and get the uranium.



This is how Elda and Robert will travel to prehistoric times thanks to the time machine. There they will meet two men (The Stone Man and The Boss) who have the stone, but try to eat Elda and Robert who return to the machine.

Elda will travel to the court of Emperor Napoleon Bonaparte. There she finds the stone in the emperor's crown.

Robert instead travels to the future. There he discovers that the atomic bomb will destroy the planet and that the world will be in the hands of robots. Robert records a message to send back to the present and warn his companions of what is about to happen.

In the laboratory Enrico and Leslie receive the message, which they will discover thanks to the help of a member of the audience. (Spectators watch sport!)

On the last trip, Elda and Robert coincide in the war. There Robert tells Elda what he knows, that the world is going to be destroyed, and tells her that they must destroy the uranium.

And from here on we can't tell you anymore. You must find out the end when you come to see 'The Time Machine' at the theatre. We will be waiting for you!

DIDACTIC OBJECTIVES

Our aim is to offer a fun play through which students can reinforce and practise their vocabulary.

There are many ways to work and assimilate the language, and we believe that theatre offers a very attractive possibility for learning.

As always, we provide you with teaching material to present in class before and after the performance. It is important to work in the classroom so that the students get more out of the activity.

We hope you find this play, and our project in general, useful.

GENERAL OBJECTIVES:

To promote the communicative competence of foreign languages in students through a didactic and fun activity.

SPECIFIC OBJECTIVES:

- To take the student see a play in English with all the elements that should be part of a dramatic event: costumes, scenery, special effects, music, dialogues.
- To develop imagination, creativity and a taste for theatre.
- Expand expressive resources: physical (gestures), vocal (sounds, songs) and linguistic (expressions and vocabulary).
- Acquire fluency in English.
- Increase exposure to the language.
- To have fun.
- Support the process of teaching English through songs and dramatic play.
- To help express oneself with good intonation and pronunciation.
- To increase basic vocabulary related to art and museums.



- Learn and work through music.
- Create resources through our didactic guide and activities so that they can familiarise themselves with the play and practise the language.
- To bring pupils closer to a historical fact that has been fundamental in the history of mankind.
- To introduce students to the people who were part of the project that resulted in the creation of the atomic bomb.
- To introduce pupils to Eida Anderson, a female scientist who took part in the Manhattan Project.

METHODOLOGY



We propose a project based on theatre as a means to encourage interest and enjoyment of a foreign language, in this case English.

To do this, we have established a series of worksheets to work on in class before and after seeing the play: The Time Machine.

We also recommend that you work on the documents '**VOCABULARY AND SCRIPT OF THE PLAY**'.

Another very interesting resource is the SONGS. You will find the lyrics in a document called LYRICS (The document needs to be changed to reflect this) OF THE SONGS and you can listen to the audio tracks through our website (user area) and work with the karaoke tracks. If you cannot access the material through the user area, our counsellors will help you by sending all the documents to your email.

You will also receive a document with additional activities. This is information that will be useful for the students when doing the worksheets.

If you have any questions please do not hesitate to get in touch, you can contact with your **EDUCATIONAL ADVISER** (Aurora Chica or Inma Rodríguez) or with the company through our email (enlunateatro@yahoo.es) or our phone number **618 720 491**.

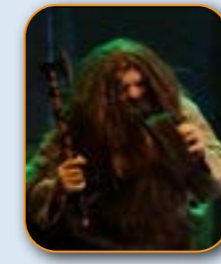
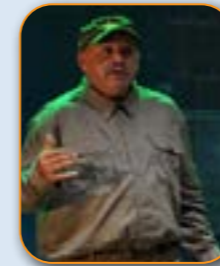
Thank you very much. We hope you enjoy this new experience.

Name: _____

ACTIVITIES BEFORE THE PLAY

ACTIVITY 1: KNOWING THE CHARACTERS

Read the following sentences and find out who is who through the clues we give you. Put the correct name under each of the pictures.



- Leslie Groves is a military officer.
- Robert Oppenheimer wears a hat.
- Enrico Fermi wears glasses.
- Eida is a woman.
- Laia is a robot.
- Napoleon Bonaparte wears a crown.
- Jacques Louis David has white hair.
- The boss wears white and brown fur.
- The stone man has an axe.



LESLIE GROVES, ENRICO FERMI, ROBERT OPPENHEIMER, NAPOLEON BONAPARTE, ELDA ANDERSON, LAIA, JACQUES LOUIS DAVID, BOSS, STONE MAN

THE TIME MACHINE

THE TIME MACHINE








Name: _____




Name: _____




ACTIVITY 2: WHAT IS THE PLAY ABOUT?





To find out what the play is about, replace the pictures with the corresponding word, you will find a clue in each picture.



Leslie Groves is in the  **M**_____ an army general.. Together with Enrico and Robert, two  **S**_____ they are trying to discover the atomic  **B**_____. Thanks to Elda's help, they will succeed.

To get the bomb they need a  **S**_____ called uranite. From it they will get  **U**_____.

In order to find the stone they decide to travel in a  **T**_____ **M**_____. Thanks to the machine they will visit incredible places. First they will visit  **P**_____ **T**_____ and there they will meet two men, but they will not be able to get the  **S**_____.

Then Elda will travel to the court of the emperor  **N**_____, and there she will finally get the  **S**_____ that is in the emperor's  **C**_____.

Robert meanwhile has travelled to the future and there he discovers that the atomic  **B**_____ will destroy the world and that the  **R**_____ are its rulers. Robert sends a  **M**_____ through the  **T**_____ **M**_____.

In the last time travel Elda and Robert meet in the middle of a war. Elda and Robert return to the present through the  **T**_____ **M**_____. They want to destroy the  **S**_____.

And the end of this story is a  **S**_____ that you must discover when you come to the  **T**_____.

ACTIVITY 3: TRUE OR FALSE?

You have already met the characters who are part of the play and you also know something about the story.

Let's see how much you know. Answer the following questions - are they true or false?

	<i>TRUE</i>	<i>FALSE</i>
• Robert Oppenheimer is a military man, an army general.	<input type="radio"/>	<input type="radio"/>
• Elda Anderson is one of the main characters in the story.	<input type="radio"/>	<input type="radio"/>
• Our protagonists use an aeroplane to find the uranium.	<input type="radio"/>	<input type="radio"/>
• To find the uranium, our protagonists use a time machine.	<input type="radio"/>	<input type="radio"/>
• Robert gets the stone in prehistoric times. True or false?	<input type="radio"/>	<input type="radio"/>
• Elda finds the stone in the crown of Emperor Napoleon.	<input type="radio"/>	<input type="radio"/>
• In the future Enrico discovers that the world belongs to robots.	<input type="radio"/>	<input type="radio"/>

MILITARY TIME MACHINE CROWN SCIENTIST STONE ROBOTS NAPOLEON BOMB
 URANIUM PREHISTORIC TIMES MESSAGE SURPRISE THEATRE



Name: _____

ACTIVITY 4: LEARNING THE SONG "LET'S GO TO THE MACHINE"

The time machine is one of the main elements of our play.

Elda thinks they can use the machine to travel faster and find the uranium.

And this is the song she uses to convince her colleagues. She sings "*Let's go to the machine*".

Learn this song in class. You can listen to it in the material on the website and then sing karaoke in class; with the lyrics it will be very easy to learn it and you can sing it in the theatre with the actors and actress.

They will be happy to listen to you.

LET'S GO TO THE MACHINE

Let's go to the time machine
And we will travel very fast
let's go to the time machine
we will get what we want
an hour will turn into a second
we'll cross space and time
there's no time for fear
no time for doubt.

Let's go to the machine.
(x 4)

Let's go to the time machine
and then we will fly
let's go to the time machine
let's fly, let's fly.

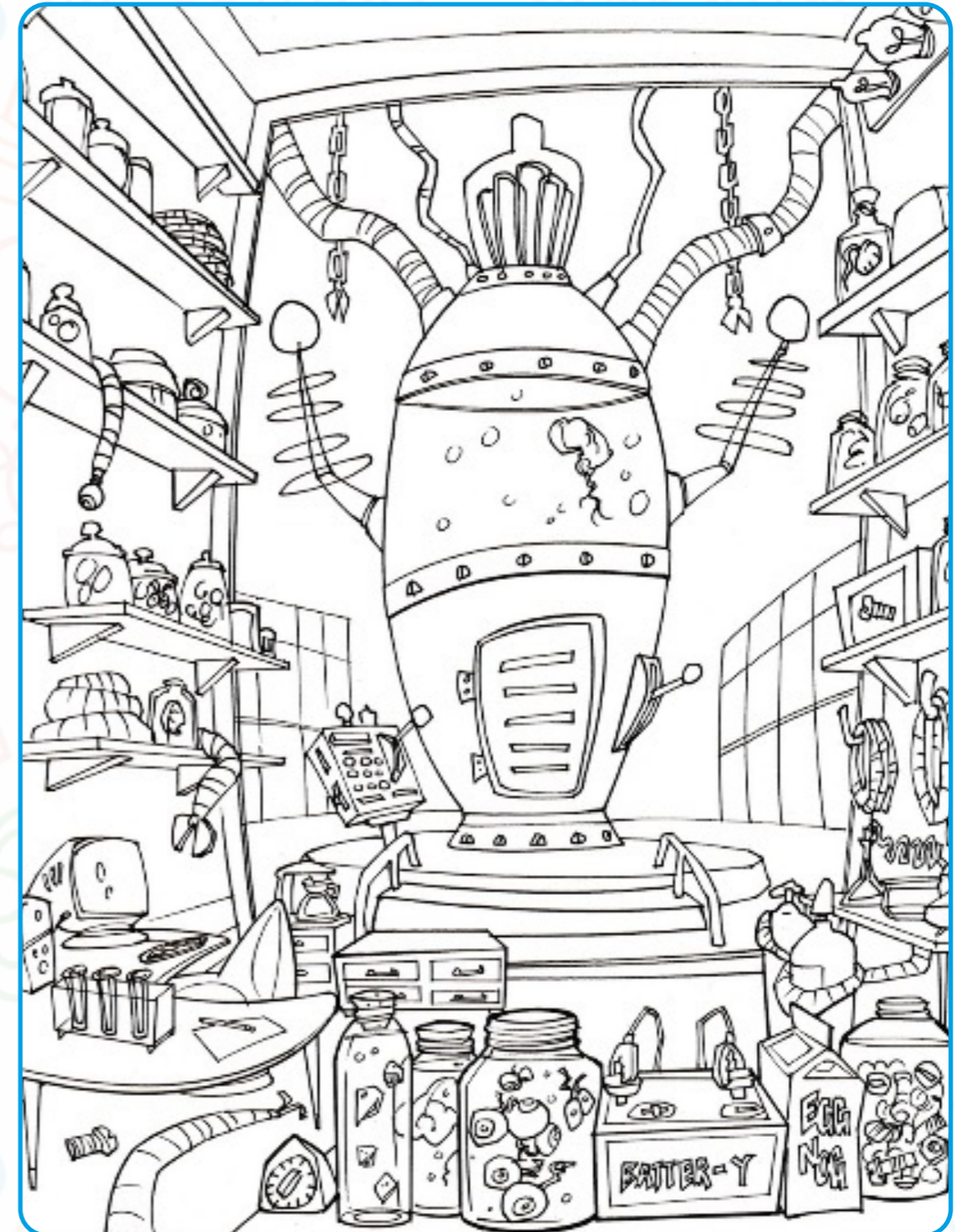
Let's go to the machine.
(x4)

Let's go to the time machine
we'll cross space and time.
Let's go to the machine.



Name: _____

Now colour in this picture. It is a time machine.



THE TIME MACHINE



Name: _____

ACTIVITIES AFTER THE PLAY

ACTIVITY 5: QUIZ ABOUT THE TIME MACHINE

You have already seen the play. It's time to find out how much you know about it. Mark the correct answer.

Enrico Fermi is

- a) A scientist
- b) A military man
- c) Neither of the other two

Elda Anderson is

- a) Leslie Groves' assistant
- b) Robert's friend
- c) A scientist with expertise in physics and chemistry

The time machine is

- a) Elda's invention
- b) Enrico's invention
- c) Robert's invention

Laia is

- a) Leslie's experiment
- b) Robert's experiment
- c) An experiment by Enrico

The first place they visit thanks to the Time Machine is

- a) A place that is at war
- b) The future
- c) Prehistory

The Stone Man and the Chief want to

- a) Be friends with Elda and Robert
- b) Eat Elda and Robert
- c) Dance with Elda and Robert
- d) Answer c and d are correct.

Napoleon Bonaparte wants to

- a) Destroy France
- b) Travel in the Time Machine
- c) Destroy Russia

In the future Robert meets

- a) Laia 575, a robot
- b) A man from the future
- c) Elda
- d) Answers a and b are correct.

In Robert's message he says that

- a) They should make the atomic bomb
- b) They must leave the laboratory
- c) They must destroy the uranium

At the end of the play

- a) Enrico destroys the stone, the uranium
- b) Leslie runs away with the uranium
- c) Enrico wants the uranium

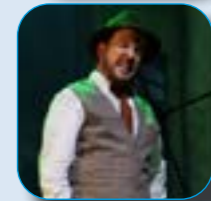
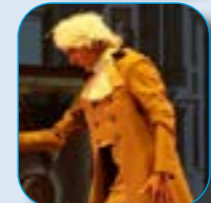
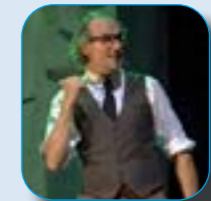
THE TIME MACHINE



Name: _____

ACTIVITY 6: HELP THE CHARACTERS

In the play, each character has an element that characterises him or her, that is his or her own. Connect each character with his or her object.





Name: _____

ACTIVITY 7: MY JOURNEY TO THE FUTURE

Our protagonists use the Time Machine to travel to the future.
 How do you imagine the future?
 Draw a picture of the future you imagine and give a short description of it.
 For example: In the future there will be no cars, there will be vehicles that fly.



Name: _____

ACTIVITY 8: ELDA ANDERSON AND WOMEN IN SCIENCE

Elda Anderson was a real woman who participated in the project that would result in the atomic bomb. She was not the only one, there were many more.
 Her character in the play is a tribute to all these women who participated alongside men in the creation of the atomic bomb.
 Look up information about Elda and answer the following questions:



- *What is her full name?*

- *Where was Elda born?*

- *Elda was... What was her job?*

- *When did Elda die?*

Find a picture, print it out and paste it on a poster board. Underneath the picture put the information you have found out about it.
 You can display the cards in class and hang them on the walls. It will be a nice way to pay tribute to Elda and all women scientists.



En la luna teatro

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