

LES PARTICULES, COOPÉRATIVE DE SPECTACLES

Workshop theatre & robotic. Based on performance
ROBLUTION lesparticules.org/robots

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About **ROBLUTION** :

Under the cover of a crazy conference, the play questions our robotized future. We start from the simple fact that robots will penetrate our daily life in depth and that the next generations will have to know how to live with them.

The actors share the stage with a robot. The play was created using both scientific documents and science fiction elements.

Teaser : <https://vimeo.com/270353699>

ROBLUTION has already met the school public many times: (Lyon: 150 high school students, Cognac: 300 high school students, Nancy: 600 high school students, Issy-les-Moulineaux: 50 college students...)

The proposed workshop involves the crew of the show as well as the robot in the play, which the students will have to use.

The play **ROBLUTION** allows the students to work and question :

- **Robotics from an ethical and social perspective.**
- **Digital technology in theater:** the play integrates computer science, the Internet, robotics...

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Web page of the show: lesparticules.org/robots

Destination: Middle school, High school, students in computer science, robotics, students in theater. Primary schools (consult us)

Workshop duration: Between 2h and 4h. The final duration is to be discussed.

Number of participants: 2 or 3 participants.

Hourly rate per speaker: Please, contact us.

Maximum number of students : 15 if 2 speakers / 30 if 3 speakers

Technical requirements:

- 2 rooms close to each other
- Extension cords and power strips
- 1 projection screen in one of the rooms
- 1 video projector
- Speakers to connect to our computer (mini-jack). Desktop speakers for example.
- If possible, an ethernet connection (RJ45) not limited (but we know that it is difficult in high schools)

About secondary education:

This workshop is intended for all middle school students and all high school students, whether they have a scientific or literary background.

Before the workshop, it may be interesting for the teacher to address in class the social issues raised by robotics.

You can access the references (↓ only in french) on which we based the show:

<https://cloud.lesparticules.org/index.php/s/NFWIKGYFQrlitaV>

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Typical workshop sequence:

1. Presentation (15 min)
 - a. The work of Les Particules and more specifically of the play Robots (conference-show on robotics).
 - b. Objectives of the workshop: construction of theatrical scenes (fiction and/or conference) on robotics. We will base our work on the creative process of Robots.
2. Warm-up theater with robot participation (30 min)
3. Exercises and theatrical game: "Find your robot" (20 min)
4. Time for reflection and discussion + sharing of material (videos, texts, images, websites) (20 min)

The goal of this discussion time is to have students raise questions about robotics. Examples of themes: ethics, work, fear, anxiety, AI, environment, singularity, solitude...

The angle of attack of this discussion can be through the movies they have seen, the books they have read, the video games they would play, etc.

Then the students are separated into groups of 4/5 students maximum. There will be as many groups as there are questions.
5. Presentation of the technical device (robots, Internet, sound, VP) (5 min)

Exposure of the possible dramaturgical uses of the robot. What angle of attack for their scene: Fiction? Lecture? A mixture of both. Dispatch of roles.

Break if necessary.

6. Creation time in autonomy (30 min)

Speakers will rotate among the different groups. The theatrical scenes will last 3 minutes maximum. The robot is used but the actors can also play the robot. (see point 3)

Each group will have a particular moment with the robot to apprehend it (control of the robot, programming of its replicas).
7. Presentation and sharing of scenes.
8. Reflective opening if interested:

Technology and theater: What is new? What limits? What can the theater of tomorrow be?