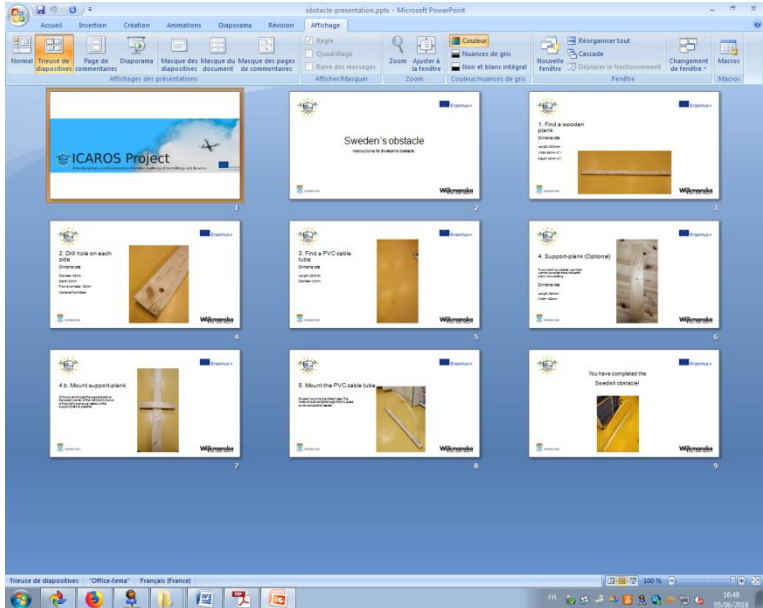
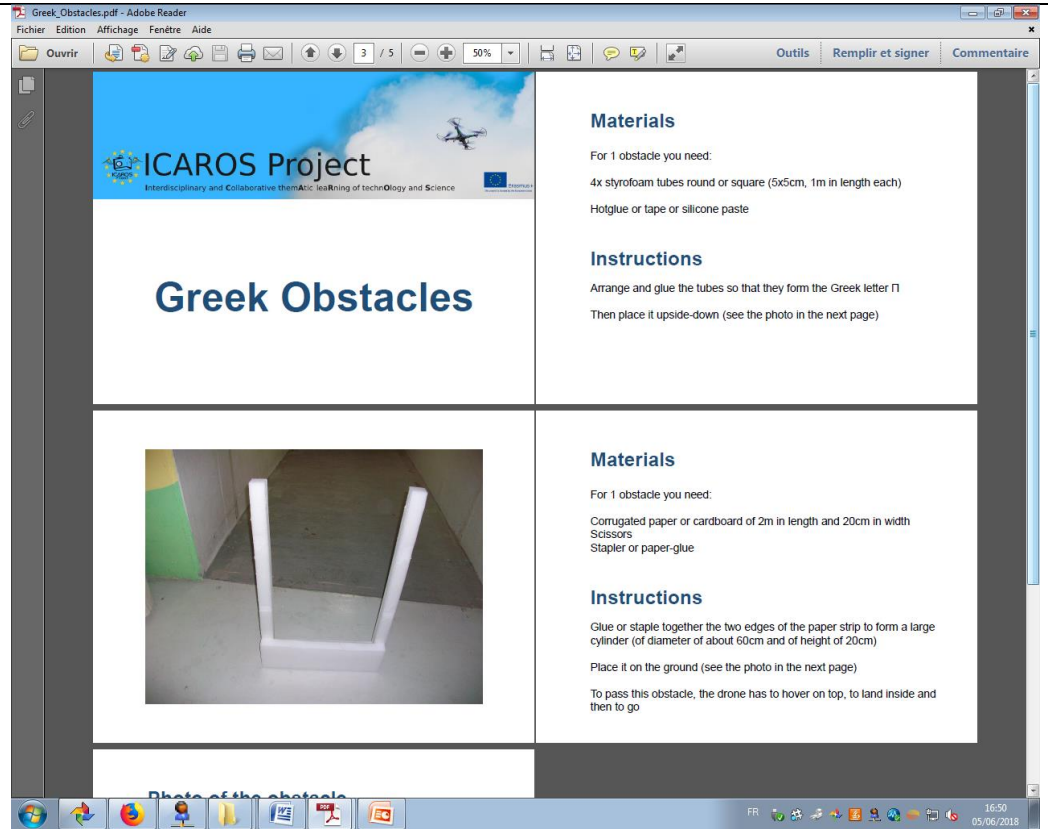


<p><b>Project ICAROS</b></p> <p><b>Report Code</b></p>	<p>FR-STEX-2017-12</p>
<p><b>Title</b></p>	<p><i>building an obstacle</i></p>
<p><b>Start/End Date</b></p>	<p><i>Started 02/11-2017 – Ended 02/11-2017</i></p>
<p><b>Coordinator name and email</b></p>	<p><i>Marc Garrigou – marc.garrigou @ac-toulouse.fr</i></p>
<p><b>Name of teachers</b></p>	<p><i>Wolf Nicolas – nwolf @ac-toulouse.fr</i></p>
<p><b>Number and age of students</b></p>	<p><i>1 Classe: 24 students, 15 to 16 y.o.</i></p>
<p><b>Description of activities</b></p>	<p>Main objective in the context of vocational activities:</p> <p>To follow a production plan.</p> <p>Focus skills:</p> <ul style="list-style-type: none"> <li>- To receive and to transmit information</li> <li>- To follow a production plan and respect it</li> <li>- To use some tools following safety rules</li> </ul>
<p><b>Learning outcomes</b></p>	<p>Building something following a process</p>
<p><b>Photos or other relevant material</b></p>	<p>- A production plan created by partner students: (English language use)</p> 



**ICAROS Project**  
Interdisciplinary and Collaborative thematic learning of technology and Science

## Greek Obstacles

**Materials**

For 1 obstacle you need:

- 4x styrofoam tubes round or square (5x5cm, 1m in length each)
- Holglue or tape or silicone paste

**Instructions**

Arrange and glue the tubes so that they form the Greek letter  $\Pi$

Then place it upside-down (see the photo in the next page)

**Materials**

For 1 obstacle you need:

- Corrugated paper or cardboard of 2m in length and 20cm in width
- Scissors
- Stapler or paper-glue

**Instructions**

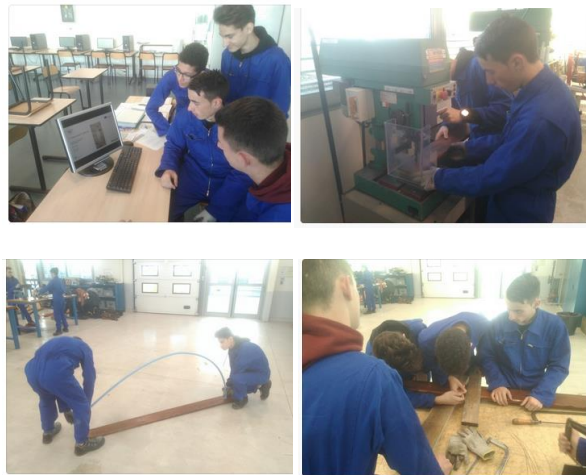
Glue or staple together the two edges of the paper strip to form a large cylinder (of diameter of about 60cm and of height of 20cm)

Place it on the ground (see the photo in the next page)

To pass this obstacle, the drone has to hover on top, to land inside and then to go

Photo of the obstacles

During the production:



When it's finished:



And the other DIY obstacles

