



<b>Project ICAROS</b> <b>Report Code</b>	<b>FR-STEX-2016-DEC-07</b>
<b>Title</b>	ICAROS QUADCOPTER PART LIST CREATION
<b>Start/End Date</b>	01-NOV-2016/ 01-DEC-2016
<b>Coordinator name and email</b>	Marc Garrigou – marc.garrigou@ac-toulouse.fr
<b>Name of teachers</b>	Alexandre CATALA – alexandre.catala@ac-toulouse.fr
<b>Number and age of students</b>	24 students / 16-18 years old
<b>Description of activities</b>	<p>At first, students discover the name of the different parts and their use on the drone.</p> <p>To help them, they have to use :</p> <ul style="list-style-type: none"><li>-the technical documentation from the different manufacturers</li><li>-the 3 quadcopters that have been bought and already assembled</li></ul> <p>Then, they created a parts list showing the name, part number and the weight of each part.</p> <p>Finally, they also took pictures of each assembled part so that they can clearly be identified.</p> <p>This document will be added to the technical folder.</p>
<b>Learning outcomes</b>	<p>Durant cette séquence pédagogique les savoirs acquis par les élèves sont les suivants:</p> <ul style="list-style-type: none"><li>• Identifying the different components of the frame.</li><li>• Find mechanical solutions</li><li>• Creating a part list grid.</li></ul> <p><u>Different skills that are expected from the curriculum. (Industrial Equipment Maintenance )</u></p> <p>CP2.1 : Analysing how a system works and his structure</p> <p>CP2.2 : Analysing the mecanical solutions used</p> <p>CP3.1: Planning one's work (safety, tools....)</p> <p>CP 4.2 : Writing a technical report</p>



Funded by the  
Erasmus+ Programme  
of the European Union

**Photos or other  
relevant material**

