Education and Culture
Lifelong learning programme
COMENIUS

MINUTE FOR GROUP WORK
COMENIUS School Partnerships

"European CNC-Network – Train for EUROPE – RELOADED"

Meeting Description	Third Project Meeting in Celje (Slovenia)
Meeting hosted by	Šolski Center Celje - Srednja Šola za Strojništvo, Mehatroniko in Medije

Date / Time / Place	11th and 14th May 2012
Name of Workline	Workline A – Locomotive
Name of Workgroup	Locomotive 4

Representative workgroup member	[FR] Nicolas PRIME
Co-representative workgroup member	
Co-representative workgroup member	

Further workgroup members	[BE] [TK] [NO] [HDH] [SK]
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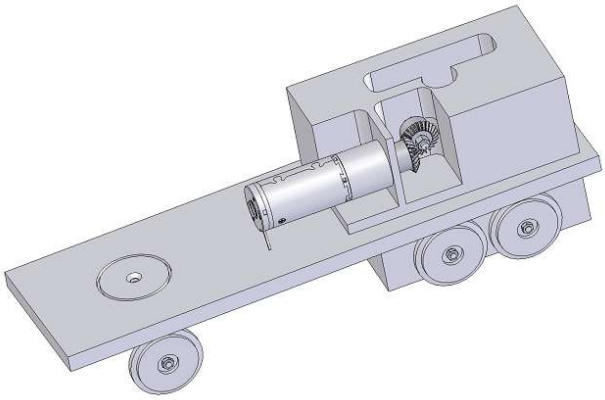
Minute written by	[FR] Nicolas PRIME

Description of work progress: Topics / Tasks / Results / Decisions / Facts of importance	**Responsible school(s) or person(s) incl. deadlines**
We first had a discussion about the motor calculation: The Belgium team make a proposal for calculation and results We compared this proposal with the French proposal. It seems that both results were quite closed and we decided to choose: • DC brush engine • 12V • 15W This engine will be bought to MAXON (from Switzerland) Students from HDH made a proposal to program the engine but it only consist in reducing voltage witch may cause wrong working during acceleration. We decided to use PC to program the engine in order to have a good power during acceleration. **We also talked about the design of the loco:** In Zagreb we voted for an "old fashion" loco outside design. The team form Slovakia made a proposal for the loco body but we were not sure that the mechanical part could fit it. So we decided to have a closer look at the outside design after the internal parts will be defined.	

Description of work progress: Topics / Tasks / Results / Decisions / Facts of importance	Responsible school(s) or person(s) incl. deadlines
The french team made a proposal concerning internal mechanical parts of the loco. A 3D model was shown. This design was not finished but we decided that this solution could be good and the French partner has to finish the design. This design can be found on the forum (3D model):  **Next steps:** We decided that the French team had to finish the design and send 3D models (.STEP) and technical drawings (.PDF) to the other in order to produce the parts for Finland. It will be probably difficult because we don't have a lot of time before the end of the school year…	