Pan-European policy experimentations with tablets
http://creative.eun.org

SCHOOL-TO-SCHOOL COLLABORATION

Robert Conings

25th March 2015
Tablets and 3D-printers are finding their way to schools and industry.

We must prepare our students to be able to work with these devices. They will get the necessary skills to become designers or engineers.

'A once-shuttered warehouse is now a state-of-the art lab where new workers are mastering the 3D printing that has the potential to revolutionize the way we make almost everything'

Barack Obama, State of the Union.
MY CLASSROOM, MY STUDENTS
SCENARIO

What will 3D-printing look like in the near future?

How we can collaborate with a school in another country?
SCENARIO

ETWIN(N)IN(G)3D

LEARNING ACTIVITIES – LEERACTIVITEITEN

Author: Robert Conings
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SCENARIO
SCENARIO

Tool: 3D Builder
1st step - count all the parameters of the Geneva wheel...
SCENARIO
SCENARIO

ETWIN(N)IN(G)3D

CCL

GENEVA WHEEL
CHALLENGES/BENEFITS
NEXT STEPS

**GENEVA WHEEL CALCULATOR**

- Geneva wheel radius $b = 30$
- Driven slot quantity $n = 4$
- Drive pin diameter $d = 2$
- Allowed tolerance $t = 1$

result
NEXT STEPS

Center distance $c$ 42.43

Drive crank radius $a$ 30.01

Slot center length $s$ 17.58

Slot width $w$ 3

Stop arc radius $y$ 27.01

Stop disc radius $z$ 26.01

Clearance arc $v$ 26
NEXT STEPS

eTwinning Label

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hebben het Label gekregen voor hun project:

ETWIN(N)IN(G)3D

05.10.2014

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SHORT MOVIE
Thank you!

Read more: http://creative.eun.org
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