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Newton Flight Academy
How can we stimulate young people into STEM
We are conducting 2 concepts
Building innovation skills among the young generation
who are these kids?
they are globally oriented
Information; anytime - anywhere
they adapt their working hours
they are familiar with robots
its a competition for the best talents
These are the kids that’s going to:

- be the next generation pilots
- be next generation traffic controllers
- be the next generation mechanics
- solve the challenges related to electrification
- solve the biofuel challenges
How to stimulate young people: Alternative venues for learning

Our Education System

“For a fair selection everybody has to take the same exam: please climb that tree”

“Our Education System

“Everybody is a genius. But if you judge a fish by its ability to climb a tree, it will live its whole life believing that it is stupid.”

-Albert Einstein
Newton Concept
Shape the future through practical learning experiences!
Pedagogical Building bricks in the concept: **Newton-modules**

Also: Newton modules within aviation.

Preparations in the classroom  Activities in the Newton-room  Post-work in the classroom
Newton Energy Room
Newton Aquaculture Room
38 Newton-rooms in Norway

Status after 14 years in Norway
Scotland's first Newton Room to be created in Caithness
Newton Energyroom Copenhagen 2014 & 2015
Newton Flight Academy
et konsept fra
STEM education with focus on aviation
navigation – aerodynamics - meteorology

mathematics – physics – geometry - geography
Mathematics curriculum in an aviation setting
et konsept fra
Example rescue mission: finding lost person in the mountains
New Newton-module
Sustainable biofuel – how to turn biomass into bio jet fuel
Can we make sustainable aviation fuels from wood waste?
producing ethanol from waste wood
Under development: **Mobile classroom Newton Flight Academy**

Alternative 1; **in-house solution**
Under development Newton Flight Academy mobile solution
(conceptual sketch)

Alternative 2; container solution (expandable containers)
One container: 35m²
Multiple container solution
Newton Flight Academy; mobile container solution
Mobile solution; Newton Flight Academy
Thank you for your attention

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