In the debating club n°27

I have a dream

An elite school



Self-motivated

Willing to learn

Hardworking

Never give up

with high standards of physical and mental self-discipline, capability and motivation, and with only four compulsory subjects

** Pure, engineering oriented, and experimental mathematics (cf. [1,14]),

** Linguistics and languages,

** Chinese and Japanese martial arts, backgrounds,

** Calligraphy worldwide.

Elective subjects

** Water arts

Physics and chemistry of water
Water as an information carrier
Swimming and diving
How we can booster the brain power for creativity and innovation by water?
Samadhi Tank (see Deb 78)
NakaMats method of invention (see Unit 15, part 26)
In the morning under the shower
Listening to the sounds of the sea
…

** Genetics

Classic curriculum

References

[1] L.D. Kudrjavzev. Gedanken über moderne Mathematik und ihr Studium. Leipzig 1983

[2] http://en.wikipedia.org/wiki/Experimental_mathematics
http://mathworld.wolfram.com/ExperimentalMathematics.html

[3] Die Schule der Drachen (2007).
"Denn nur durch Disziplin kann man zum Drachen werden, mutig, stark und weise."
The school of dragons (2007).
"Only by discipline one can become a dragon, brave, strong, and sapient."
http://www.spiegel.de/spiegel/print/d-50343995.html

[4] Li Xianshuang Gymnastics School in Xiantao.
Safety net for young gymnasts.
http://english.sina.com/sports/p/2012/0808/494603.html

[5] https://en.wikipedia.org/wiki/Shaolin_Monastery
https://en.wikipedia.org/wiki/Shaolin_Kung_Fu
[6] “If you want to build a ship, don't drum up the men to gather wood, divide the work, and give orders. Instead, teach them to yearn for the vast and endless sea.”
Antoine de Saint-Exupery
[7] “When you really want something to happen, the whole universe conspires so that your wish comes true.”
Paulo Coelho. The Alchimist.
[8] Heavier-than-air flying machines are impossible.
Lord Kelvin 1895
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ISBN 978-7-119-05754-5
[10] P. Watson. The German Genius: Europe's Third Renaissance, the Second Scientific Revolution, and the Twentieth Century.
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ISBN 978-0-06-076023-6
[11] J.L. Berggren. Episodes in the Mathematics of Medieval Islam.
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ISBN 978-0387406053
[12] D. Sutton. Islamic Design: A Genius for Geometry.
Walker Books 2007
ISBN 978-0802716354
[14] http://www.algorithmicschannel-dresden-guilin.net
[15] https://en.wikipedia.org/wiki/History_of_mathematics
[16] http://www.successconsciousness.com/
[17] Creativity
“Creativity consists of seeing what everybody has seen and thinking what nobody has thought before.”
A. Szent-Györgyi

“The core of the creativity is the ability to perceive something in a new way.”
D.R. Hofstädter

“Creativity, it has been said, consists largely of re-arranging what we know in order to find out what we do not know.”
G. Kneller

„Kreativität entsteht, sobald man schon vorhandene Ideen auf neue Weise vernetzt.“
Steve Jobs

“Solitude is creativity’s most important requirement.”
Glenn Gould
Opposite: brainstorming, IDEO’s hot teams
T.Kelley, J.Littman. The Art of Innovation: Lessons in Creativity from IDEO, America's Leading Design Firm. London 2002, ISBN 0007102933

The 6 Myths of Creativity.
1. Creativity Comes From Creative Types
2. Money Is a Creativity Motivator
3. Time Pressure Fuels Creativity
4. Fear Forces Breakthroughs
5. Competition Beats Collaboration
6. A Streamlined Organization Is a Creative Organization

B. Breen 2004
http://www.fastcompany.com/magazine/89/creativity.html

Top engineering is find new ways, go new ways nobody has gone before, adventure, challenge, risk.

Creativity means also: solve a problem with the lowest effort, go the simplest way, light-footedly, use the smallest shortcut, use the most suitable tools.

C. Malorny, W. Schwarz, H. Backerra. Die sieben Kreativitätswerkzeuge K7. Kreative Prozesse

anstossen. Innovation fördern.
Wien 1997 ISBN 3-446-19009-0

.[18] An Interdisciplinary Lecture Course on Creativity and Innovation.
Part 1.19
How we can booster the brain power for creativity and innovation?
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GUET 2015

Deb 27 and esp. [17] contain a lot of "hot potatoes".
Discuss them critically



„Kreativität entsteht sobald man schon vorhandene Ideen auf neue Weise vernetzt.“

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Steve Jobs