

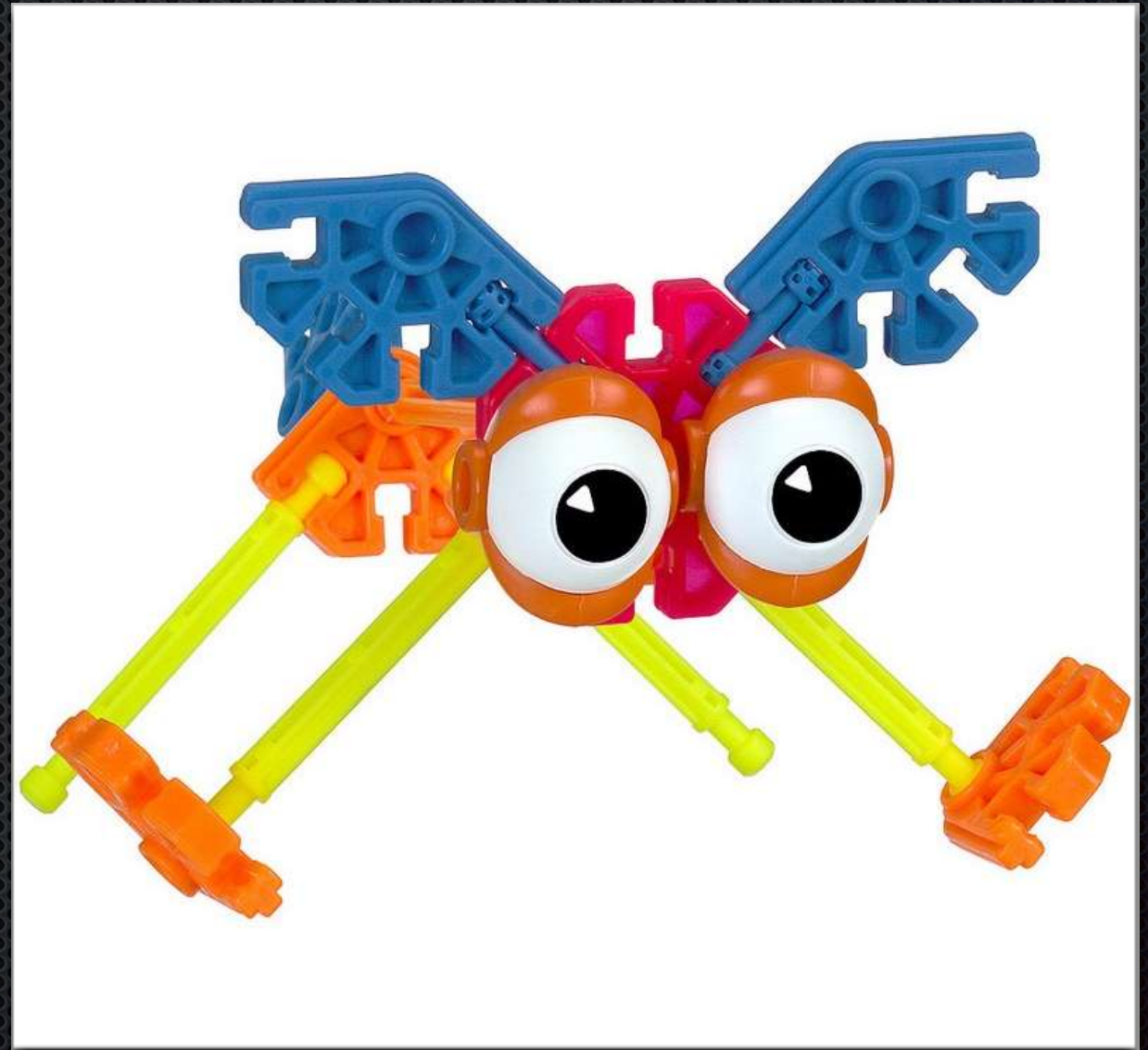
K'NEX[®]

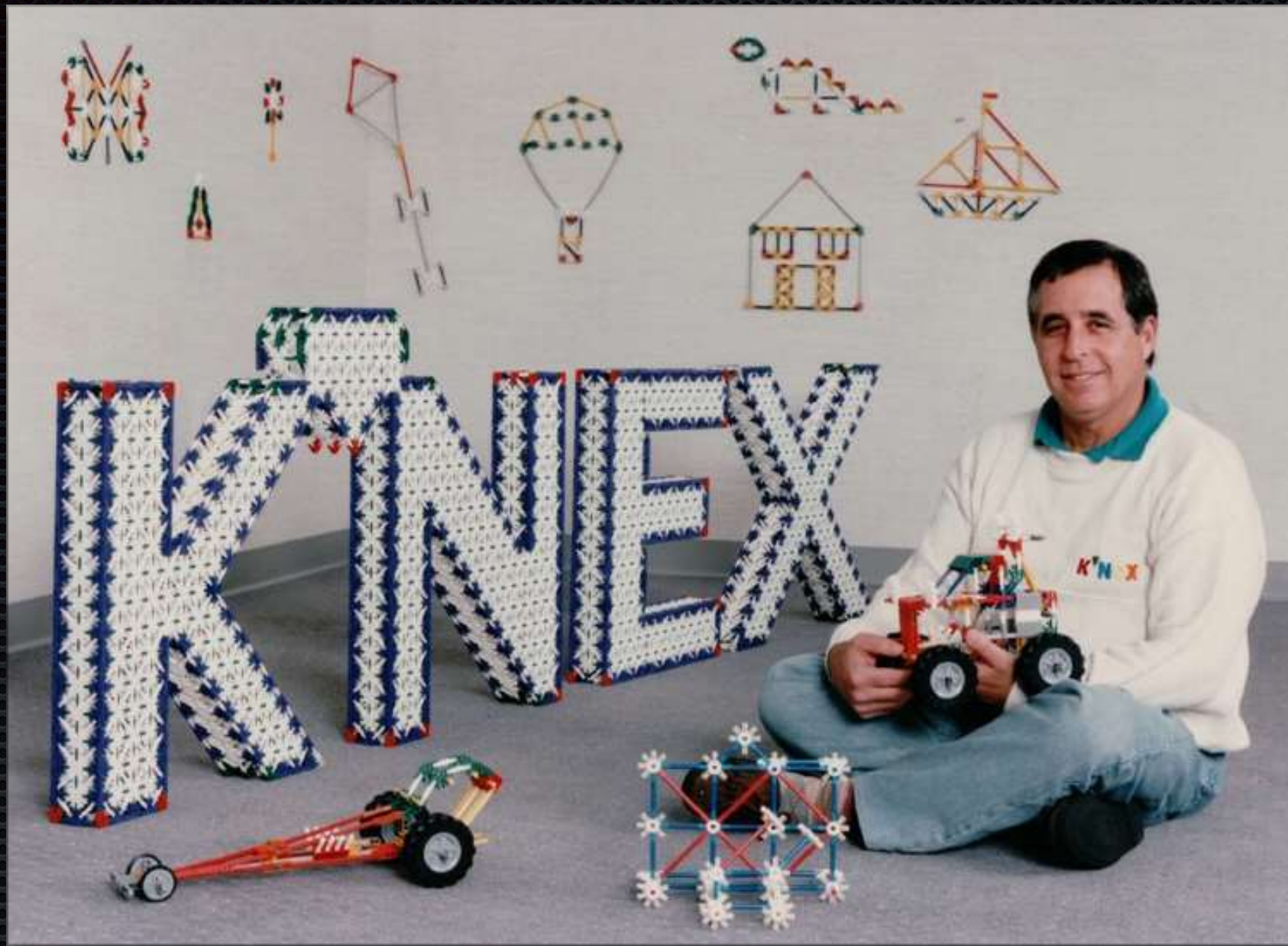
Imagine • Build • Play[®]

K'NEX
presented by Matthi

content

- history
- what is K'NEX
- what to built
- how to built
- how NOT to built
- quizz





history

evolution of K'NEX

- Joe and Bob Glickman are invited at a wedding
- Joe is a bit bored
- he takes a drinking straw and puts some into each other
- his brother joins in the game
- what can one built out of sticks and connections?

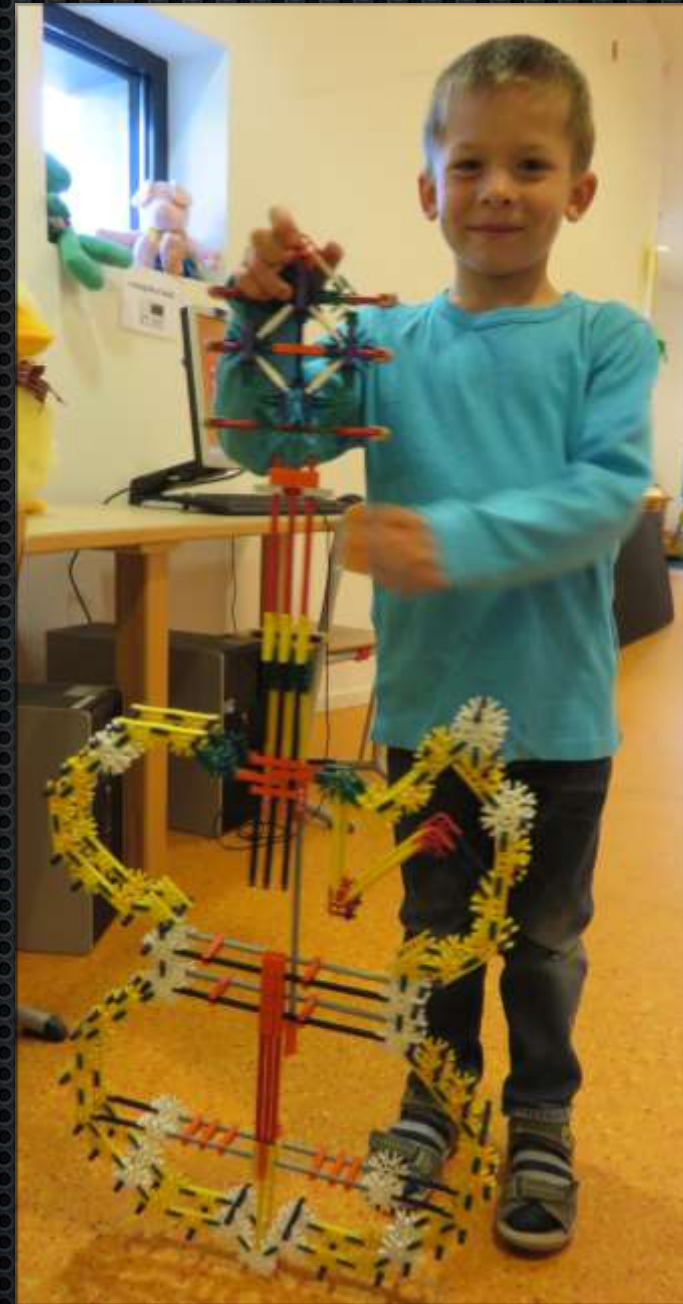
a ton !!!

but first,

let's take a look back to the history of me

how everything started with me

- in the kindergarten
- at an information night for the parents
- I found a K'NEX instruction for an extremely cool looking guitar
- I try to do it all but cannot finish the project
- I continue working the next day
- but it takes too long and I have to take it apart again
- I start over again
- I finish it in 3 days !!!



since then

- I could not keep my hands off K'NEX
- I built more guitars
- I play with my brother
- I have tons of fun



BUT ...

- nobody wanted to play with Joe's toys at the beginning
- Lego, Mattel, Hasbro were not interested
- brave step: he changed his family business and advertised K'NEX himself
- little sets were handed out with a meal at Pizza Hut
- the 90's brought success !!!
- but still, Europe builds more with K'NEX than America



what is K'NEX ?

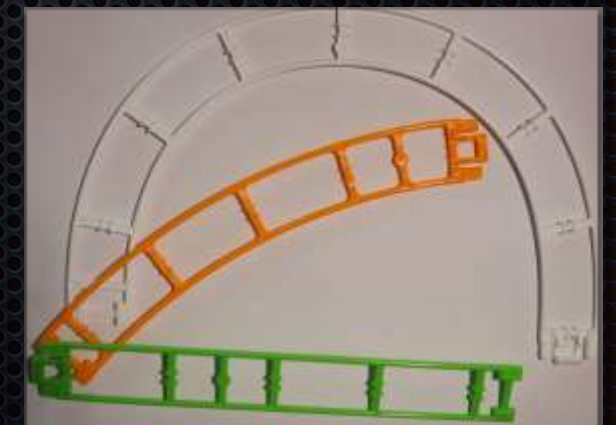
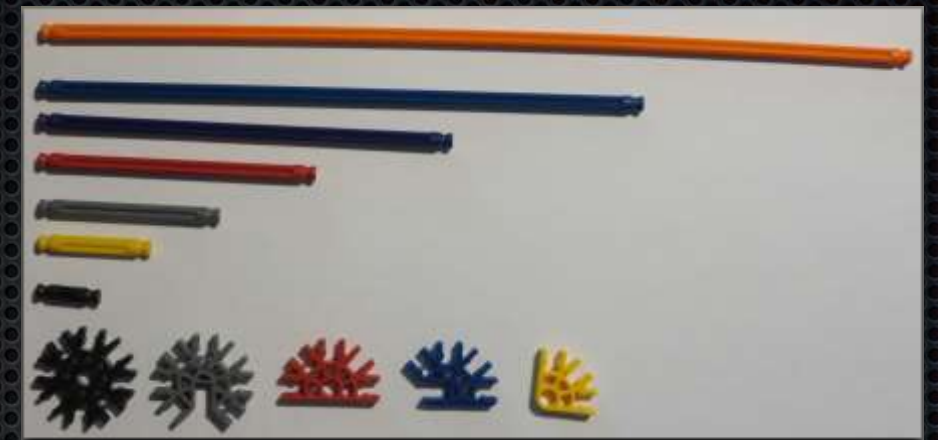
sticks and connectors



not enough sticks, make your own

the connectors help you to create different angles
so your 3D model looks just amazing

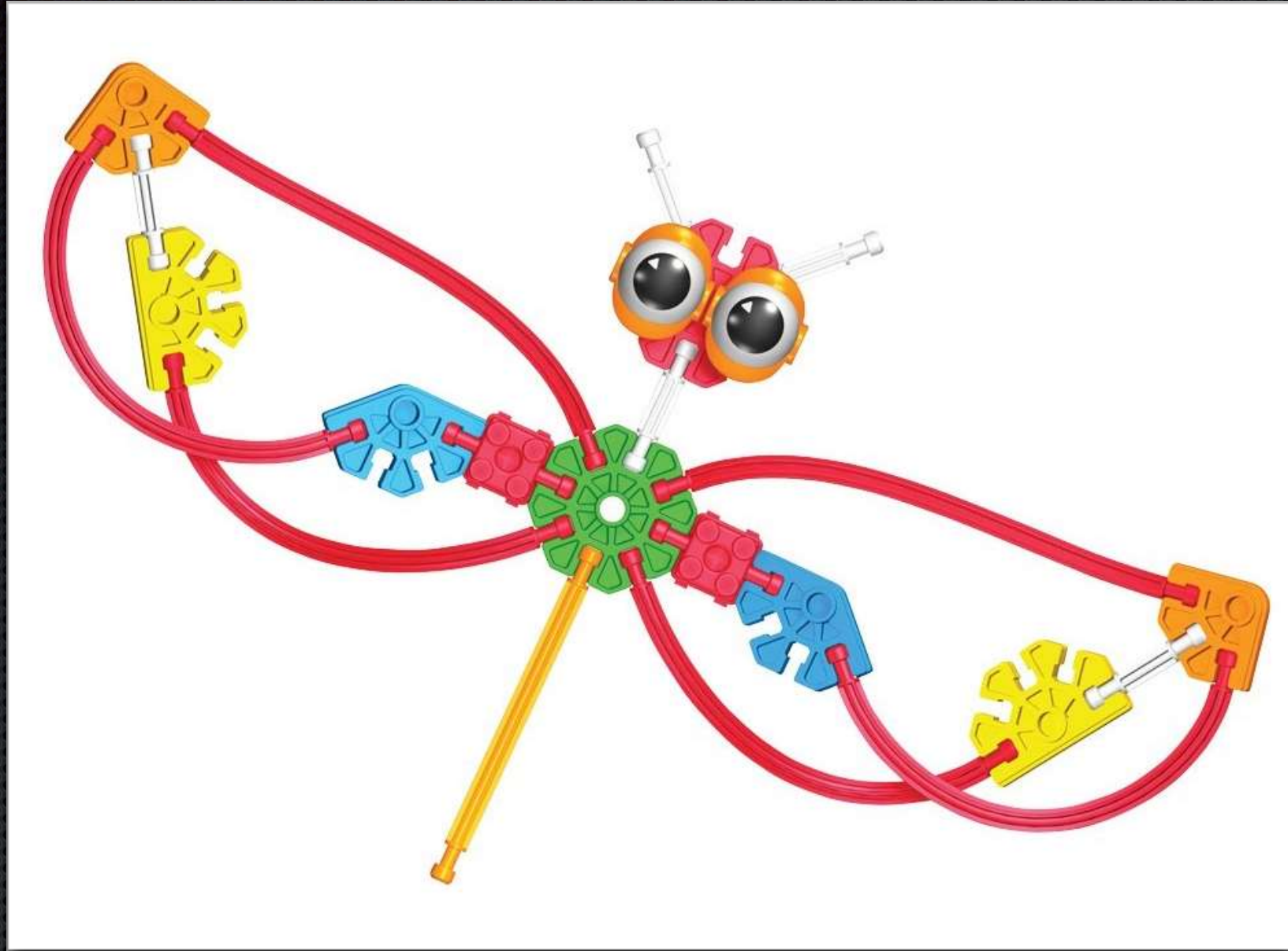




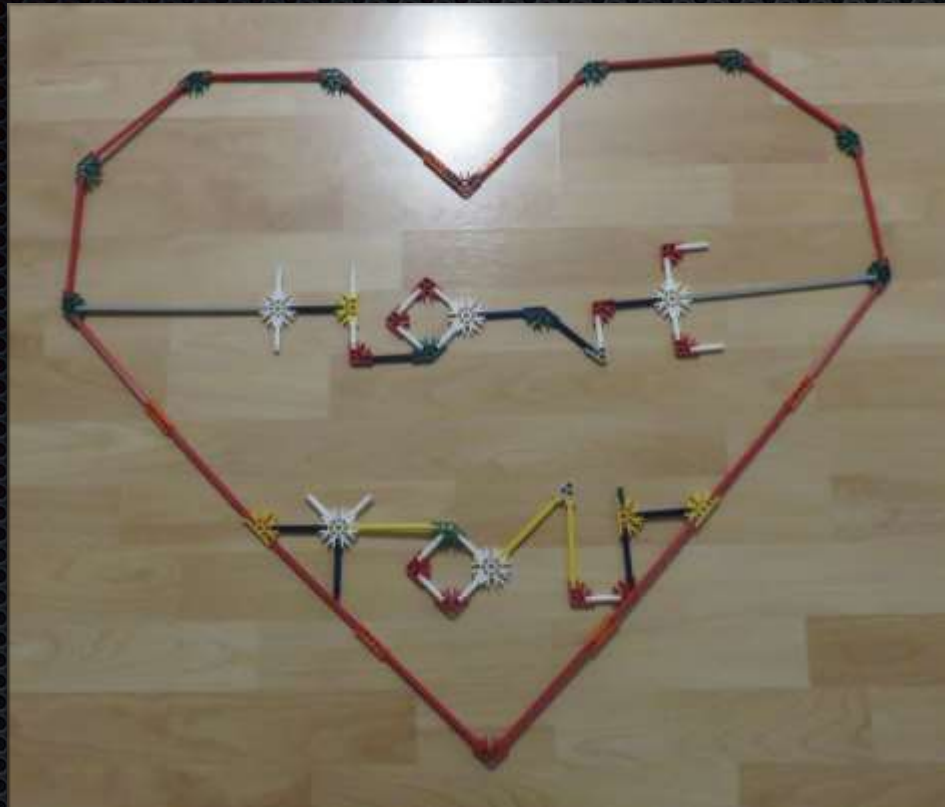
and even more parts



what to built ?



simple models



important messages



tools for important work

- a great start
 - straightforward
 - one picture of how it is and that's it
 - perfect to learn all the possibilities and bits and pieces
-
- we covered that already
 - it could get a bit trickier
 - so ...





complex (3D) constructions



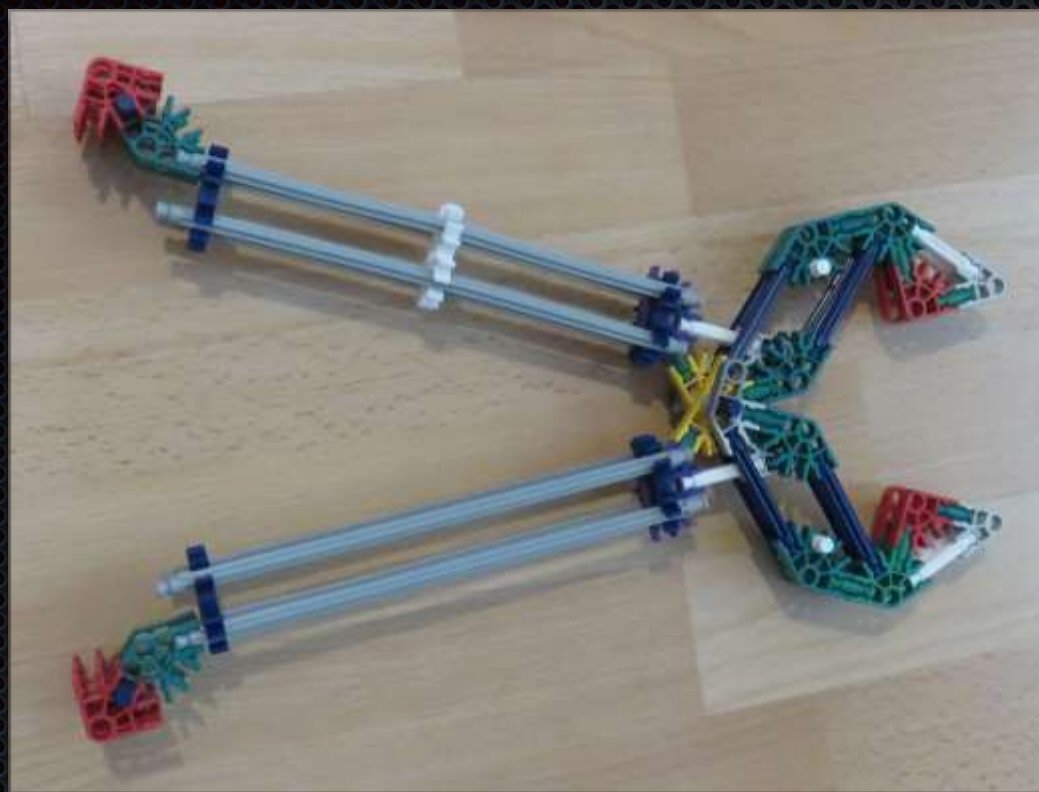
- more difficult
- step for step instructions
- compare the before and after
- difficult parts are shown close up
- the construction is turned sometimes
- wait to hear the “click”
- you know the parts and you can think, so you won't see everything anymore
- go slow
- always check if it's still correct
- it's NOT a race !!! take your time



3D with movement/wheels



- start slow
- watch out with the wheels, gears and turning parts
- everything has to fit perfectly
- if it does not work, take a step back
- if necessary, one more
- DON'T give up



pliers for my father and me



a ship for me



an airplane for mom



an awesome car for my brother

sooo much ...
and even more ...





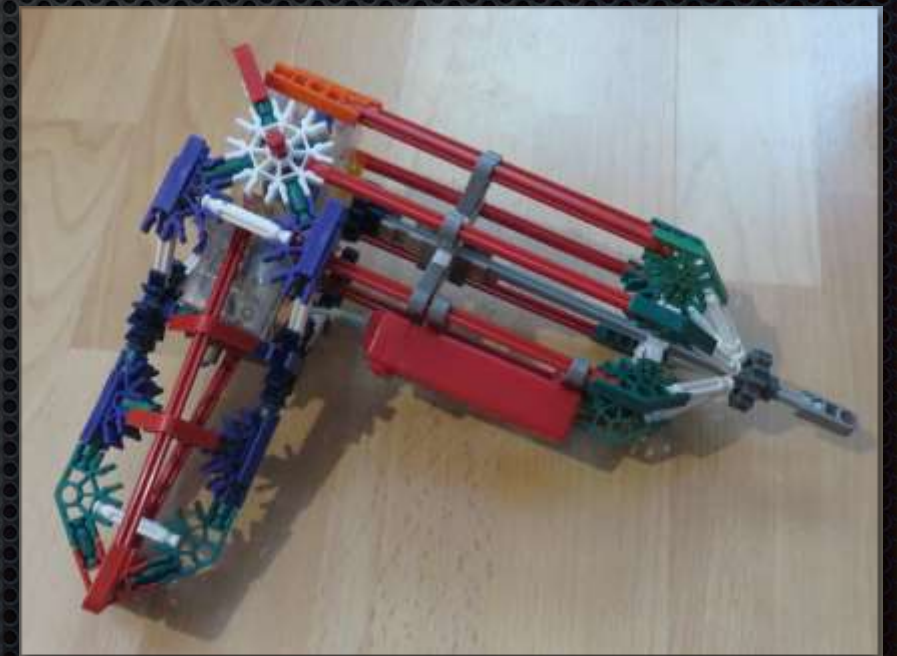
... fun to play with



3D with a motor

- you reached a lot
- you know all the K'NEX parts
- you can imagine the constructions
- your work is precise
- now, you'll have to be a bit more precise
- DON'T be afraid of mistakes





a drilling machine for dad and me

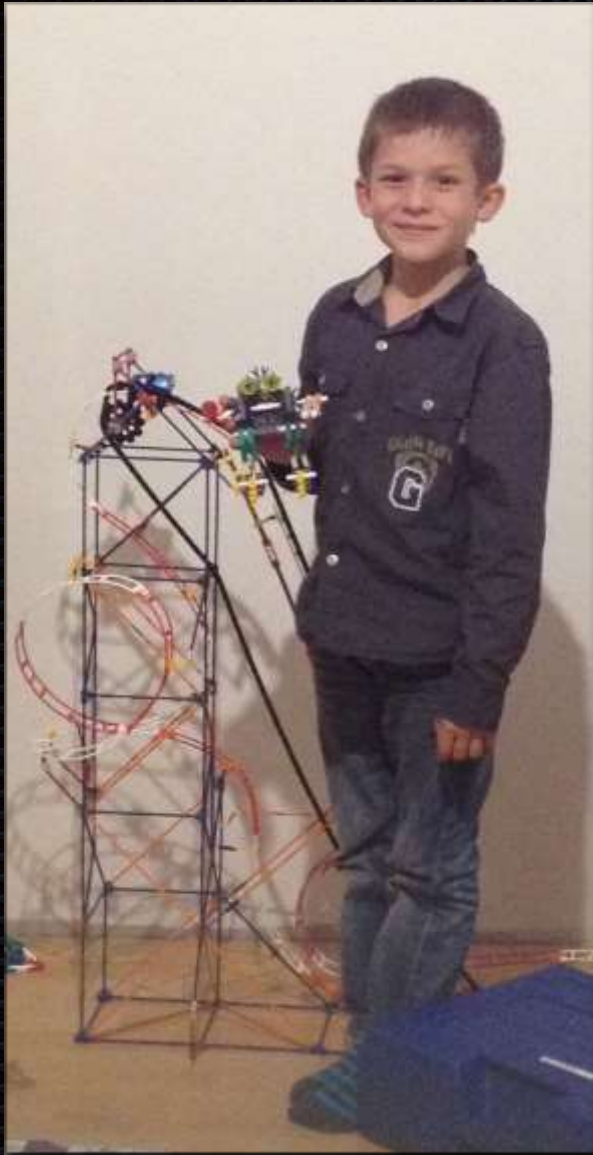


roller coasters

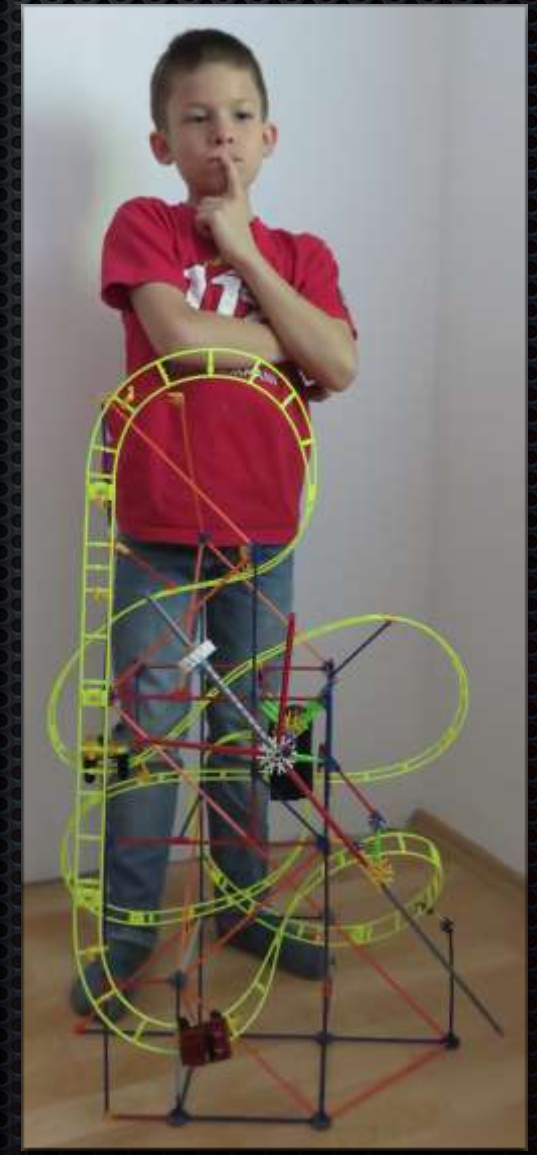
- again something challenging
- the constructions turn in the outline
- colour can vary in the drawing & the “to-be-built-in” list
- always think
- what you did is in soft colours
- get the pieces ready that you have to built in
- work step by step
- STAY CALM at all times



cool: Nessy in my room



my first one



the clock
mega awesome

my favourite roller coaster



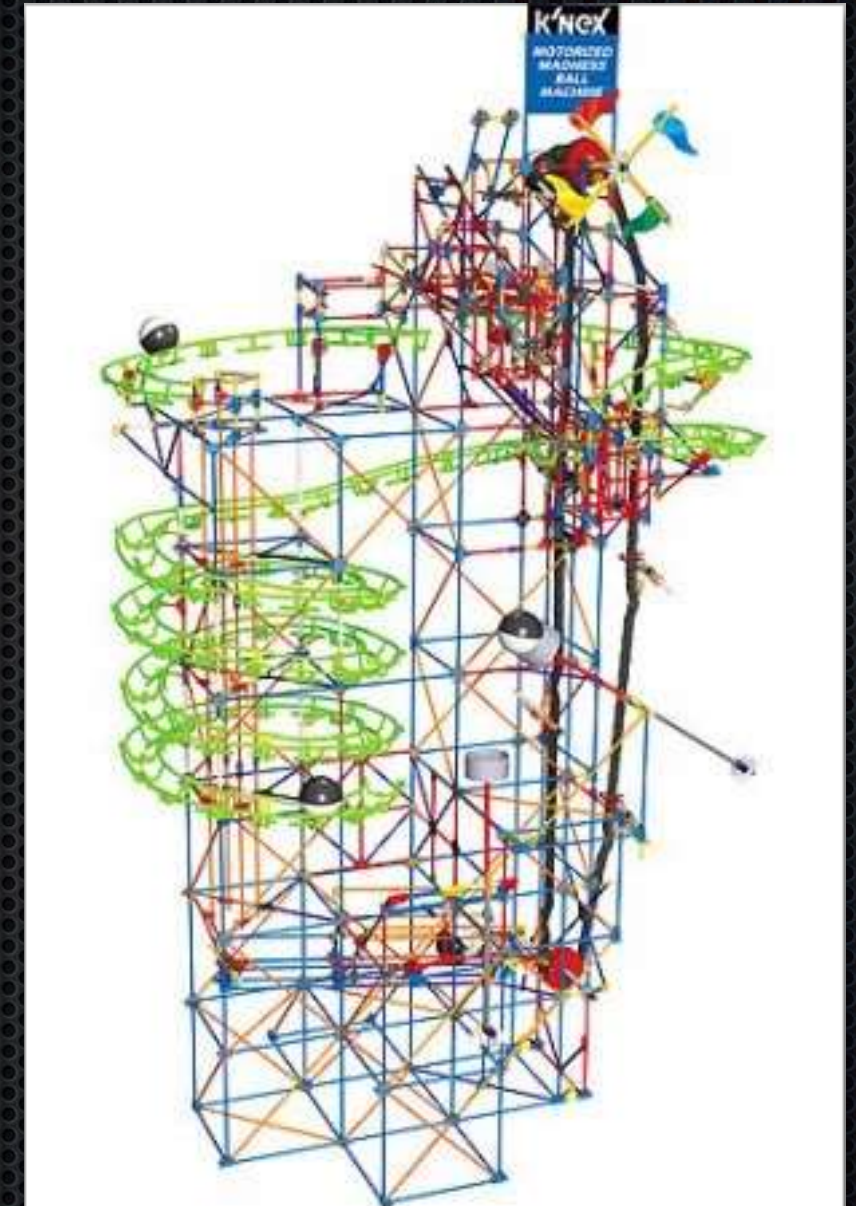
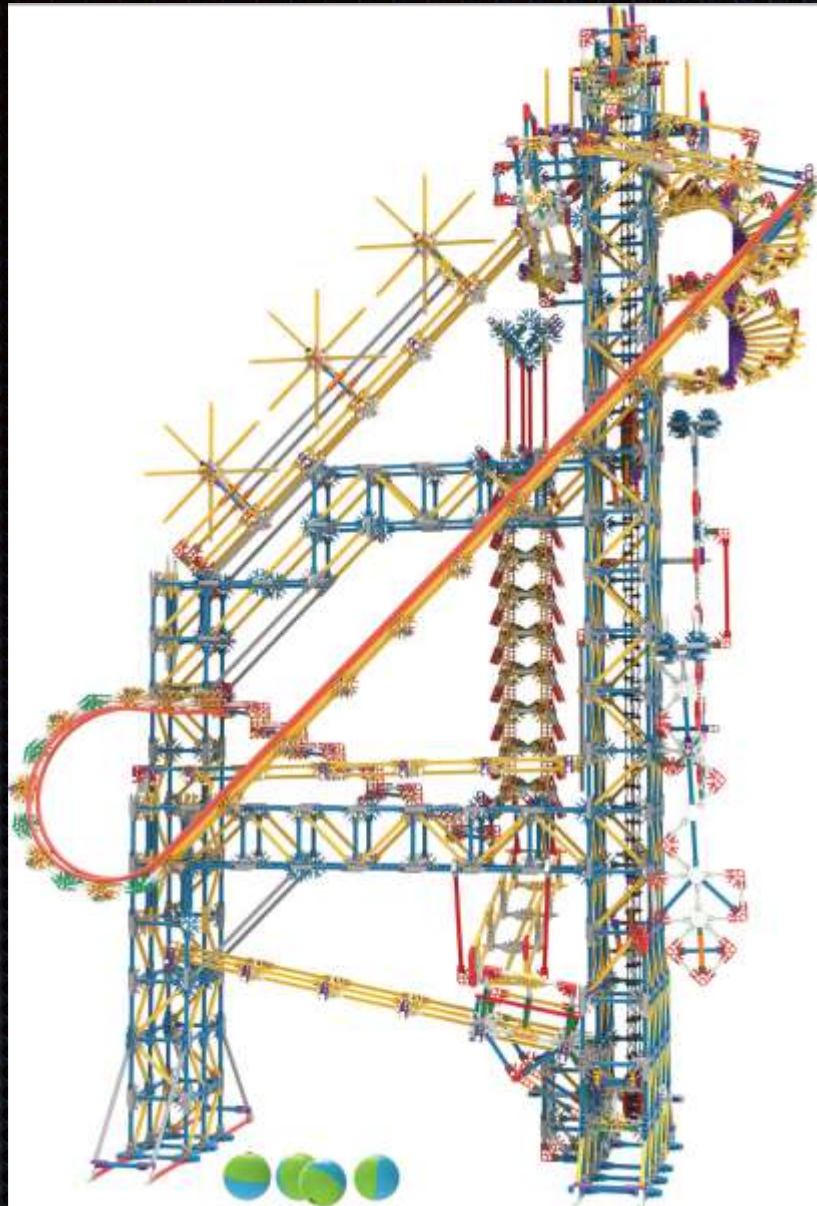
you can put it
horizontal and vertical
and it's still working

it works with wind

it's extremely fast

the best:

it glows in the dark



ball machines

- if you're okay with 3D this is now really the icing on the cake
- watch out
- the construction definitely will turn in the manual
- double and tripple check
- check it from every angle
- when it's not working, check it for errors, fix it
- fix any other trouble at the end



the greatest ball machine of the world

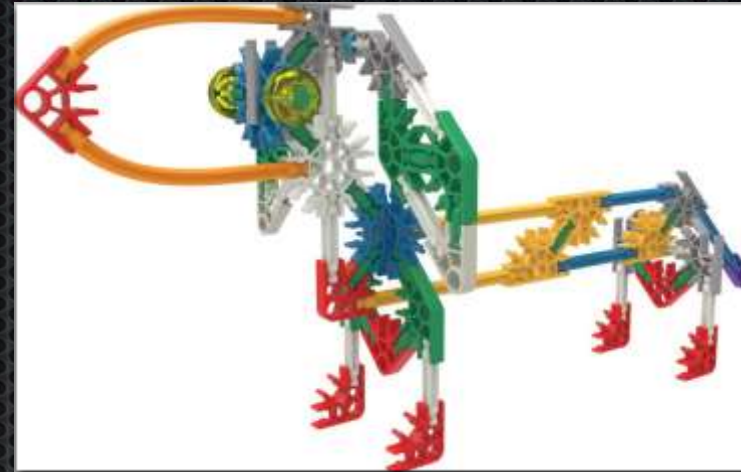


everything moves:
wind mills and drop

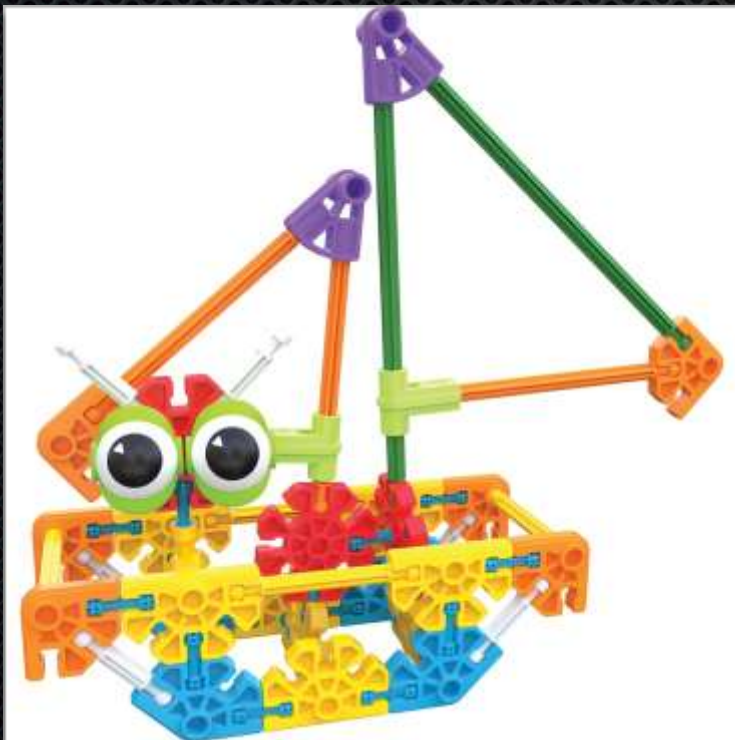
speedy looping

falling ball with a twist

a regular staircase and
a corkscrew stair



my conclusion . . .



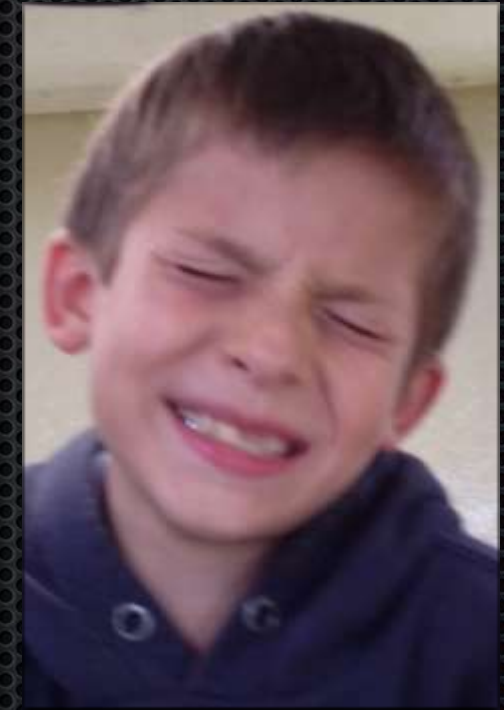
that's how to built

- start slow, have patience
- always be ready to check
- always be ready to take a step back, even if that means to dismantle parts again
- fix up your construction only at the end



how NOT to built

- without patience
- without fantasy
- fixing without checking first



then,
you could also
built something like
this ...



the coolest animal of the world

truth is: you can built
EVERYTHING
you can imagine!

“Create with the heart;
build with the mind.”

– *Criss Jami*



important for me:

how do you become a

K'NEXpert ?

- you do what you love
- with your entire heart
- and you show it
- it will work out !

QUIZZ

- how did K'NEX develop?
- how many parts exist?
- how do you built with K'NEX ?
- what do you think about K'NEX?
- what is the best thing you would built with K'NEX?



it's your turn now





The End

of my presentation
and the beginning of your story