Erasmus+
Project No.: 2021-1-EL01-KA220-SCH-000023967
KA220-SCH - Cooperation partnerships in school education





Simple & Powered Machines

Simple & Powered Machines

Gate

Have you ever wondered what is the mechanism that automatic doors in supermarkets and other stores work?

We can ask, it is such a good idea!

Yeah, it will be a great lesson!



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There are automatic doors in many places, and not only stores. Can you think of some more applications?





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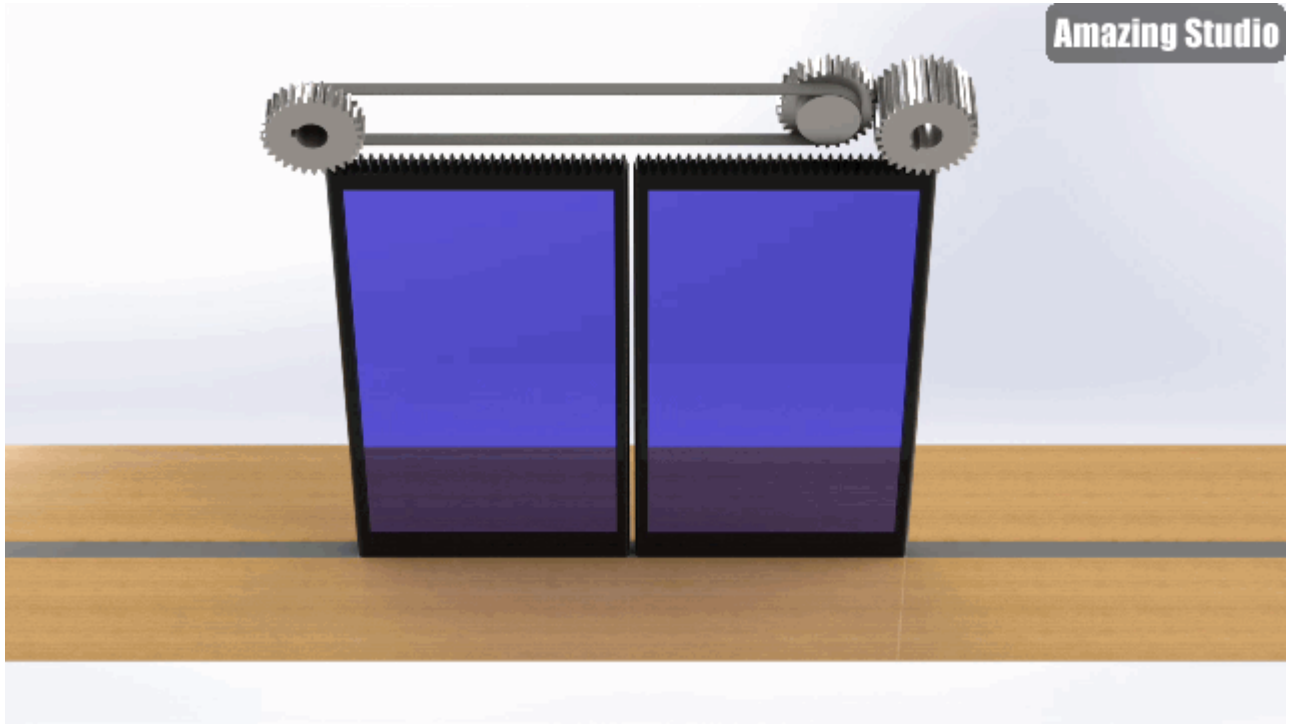
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Can you think of how they work? Think of the simple machines we have learned.





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Move on to the worksheet and answer the first three questions. Our goal today is each team to design their own gate!

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After you discussed about what you want to build, discuss on how to build it. You can start with a design on paper…

And at the same time see what you have in your set. All engineers start with making plans on paper first. They correct their design many times until the final construction!



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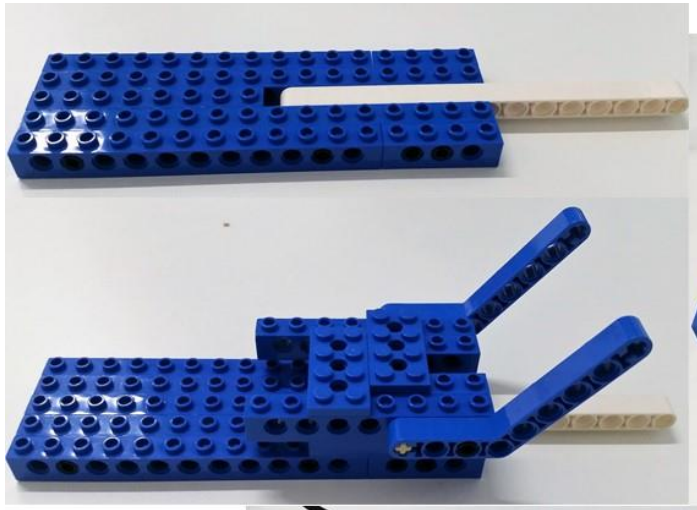
So, let’s try to build our own gate!!

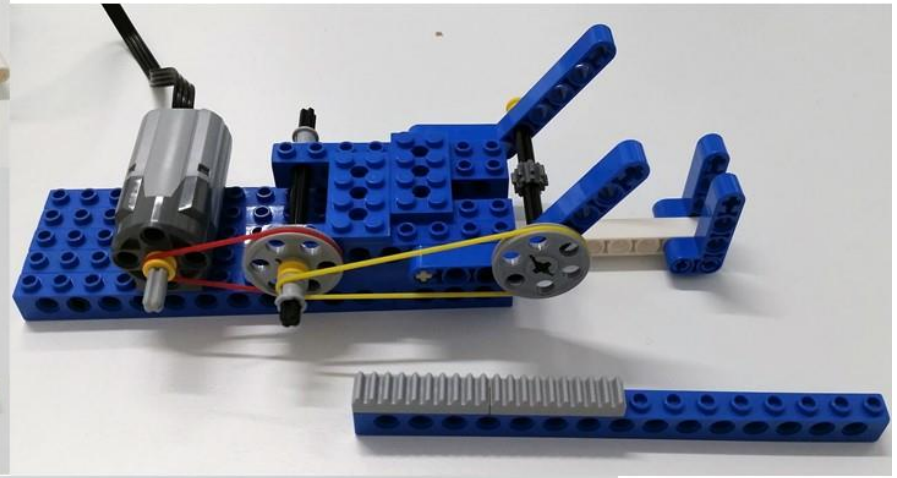


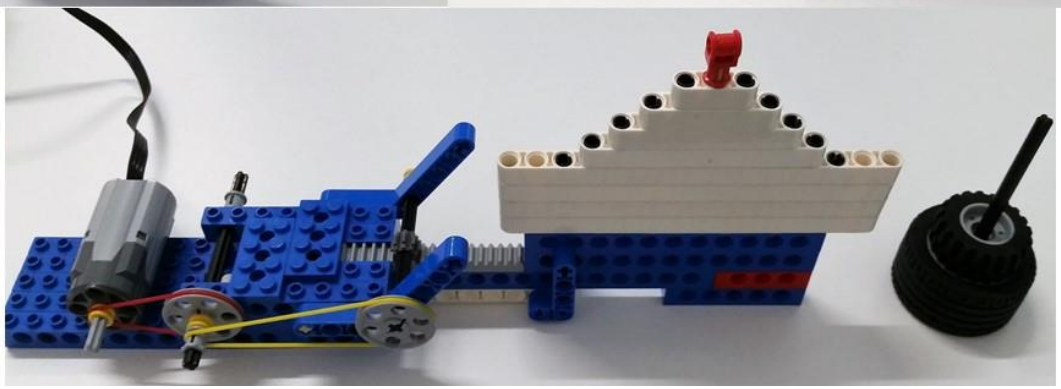
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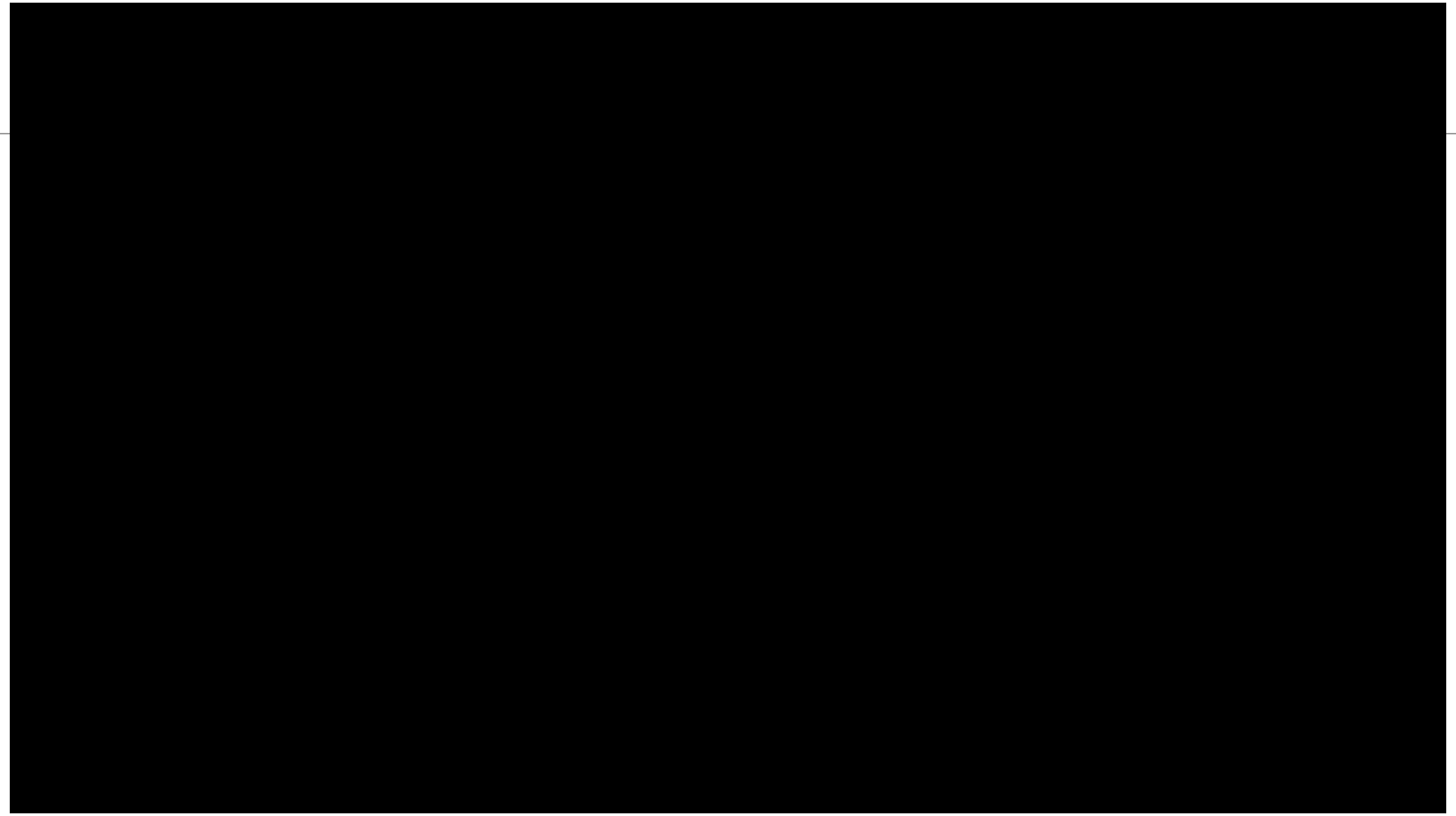


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Some pictures for inspiration

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And a video on how our gate opens!

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When you finish your worksheet

disassemble your build

and put all parts in their own place



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