



Σύνθετες Ηλεκτρικές Μηχανές

Θέλω να κατασκευάσω
κάτι που να πηγαίνει
πάνω-κάτω, με τον
κινητήρα, αλλά δεν τα
έχω καταφέρει... Μόνο
ίσια μπορώ να πηγαίνω...

Εγώ νομίζω ότι αυτό
που λες δεν
γίνεται...

Εγώ πάλι είμαι
σίγουρη ότι γίνεται,
αλλά δεν ξέρω πώς. Ας
ρωτήσουμε!





Πράγματι, γίνεται. Και δεν είναι δύσκολο, αρκεί να μην συνδέσουμε έναν άξονα με το κέντρο ενός δίσκου (ή ενός γραναζιού).

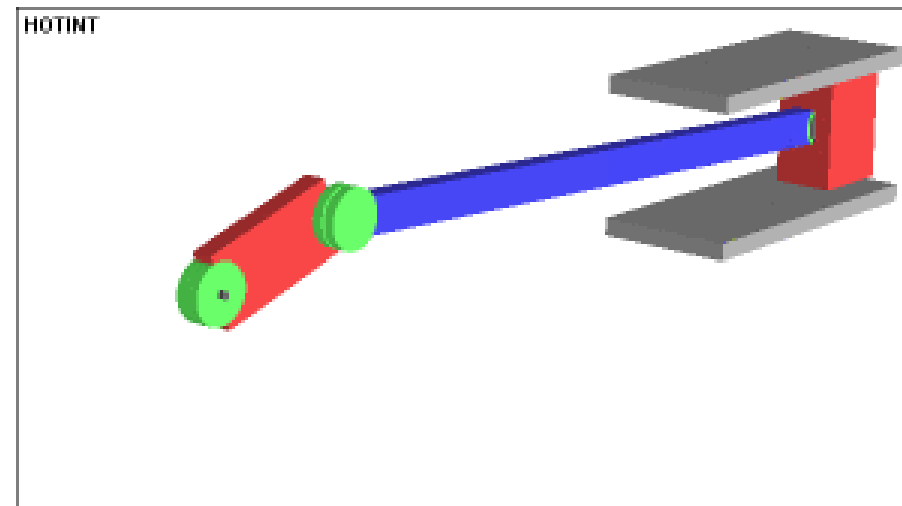


Αυτός ο μηχανισμός ονομάζεται έκκεντρο και υπάρχει μέσα στο κουτί μας. Θα το δούμε σε επόμενο μάθημα.

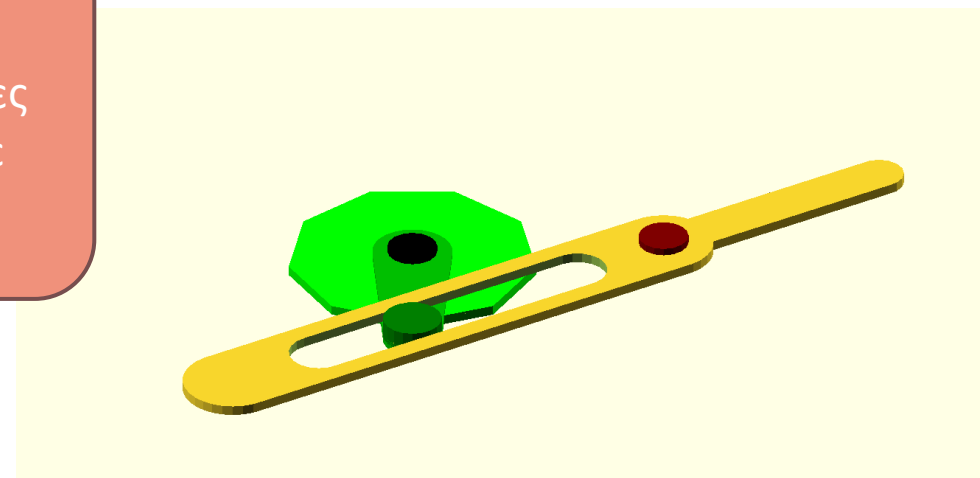




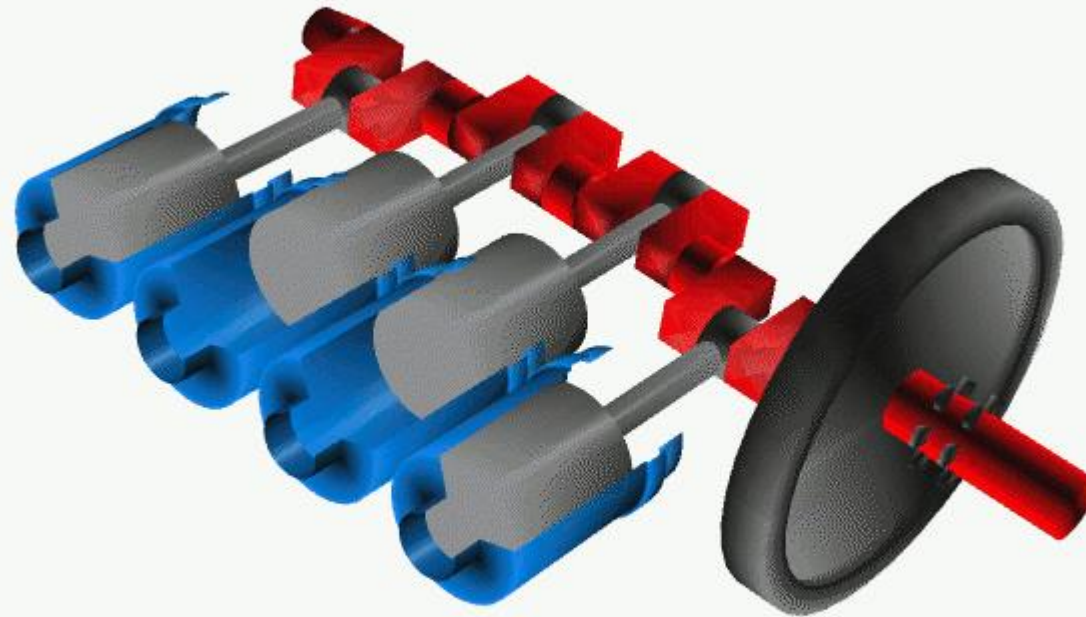
Το έκκεντρο είναι ένας μηχανισμός που μετατρέπει την περιστροφική κίνηση σε παλινδρομική (πάνω-κάτω, μπρος-πίσω).



Χρησιμοποιείται κυρίως σε πιστόνια μηχανών, στις ρόδες του τρένου, και, φυσικά, σε παιχνίδια!

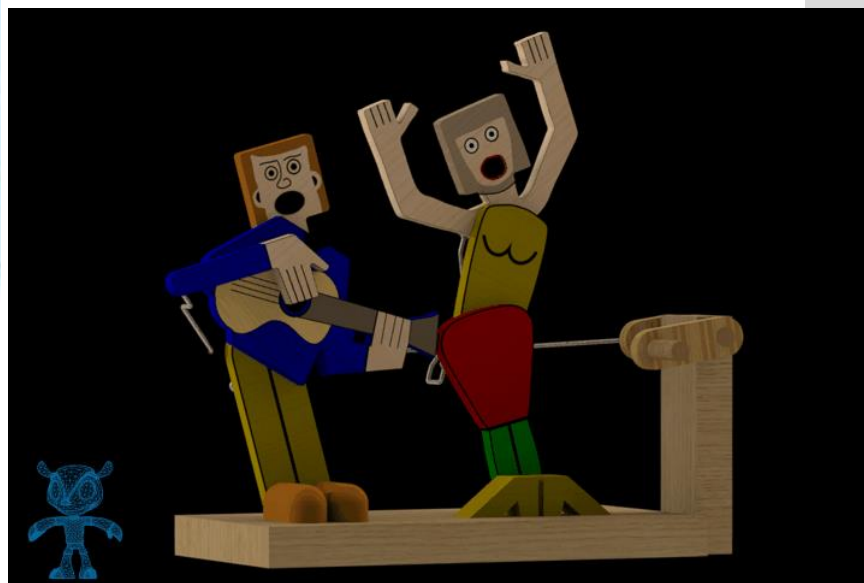
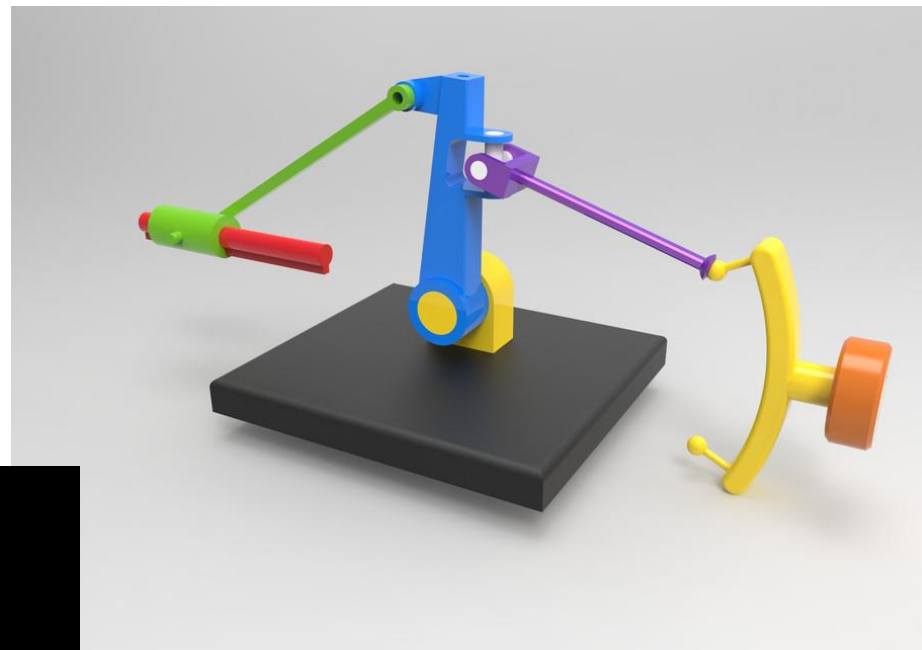


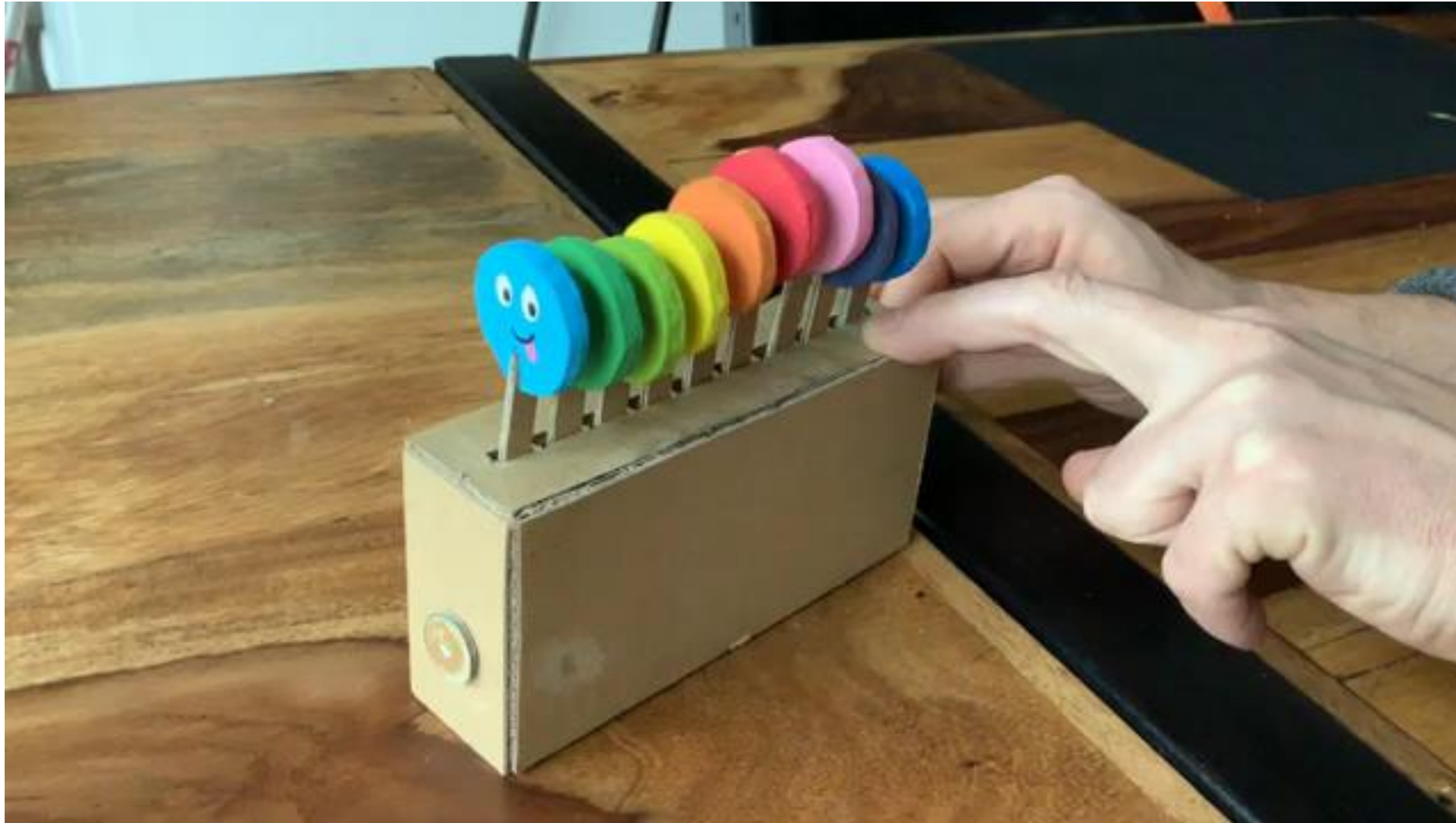
Παρατηρείστε πώς η περιστροφική κίνηση μετατρέπεται σε γραμμική



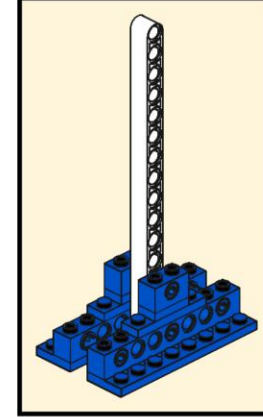
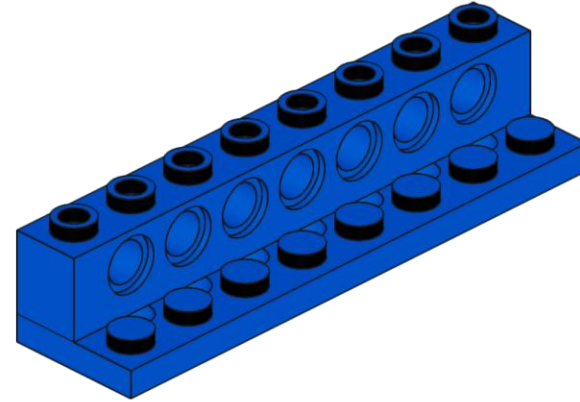
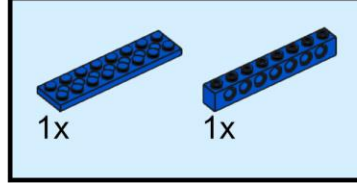


Παιχνίδια με έκκεντρη κίνηση

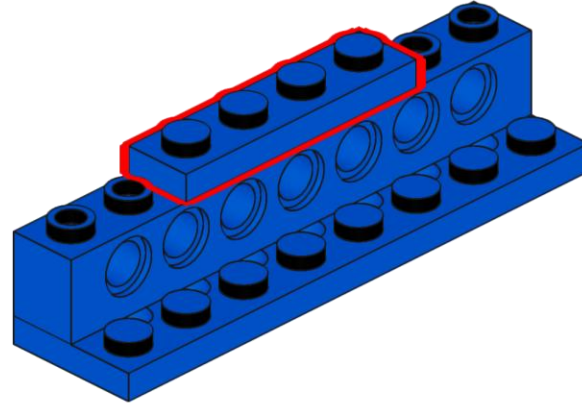
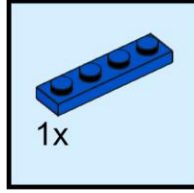




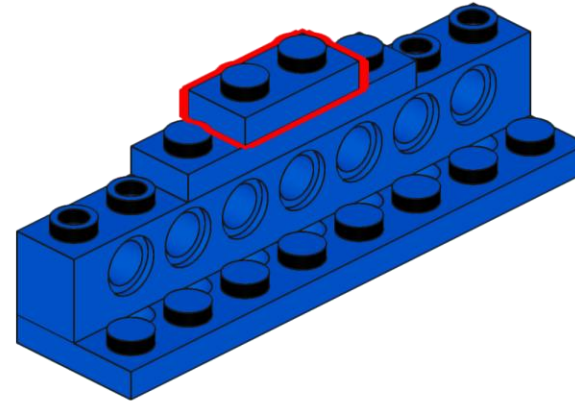
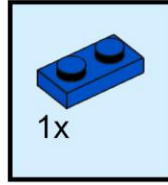
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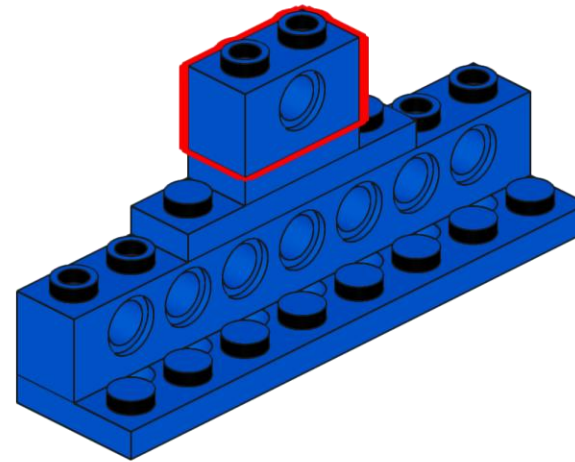
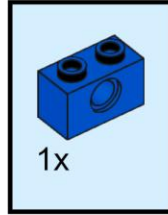
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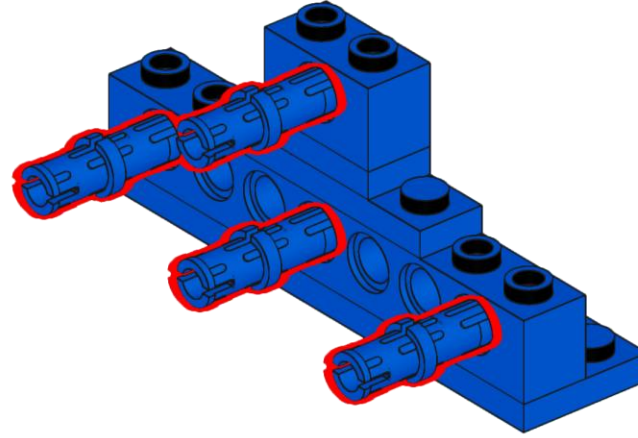
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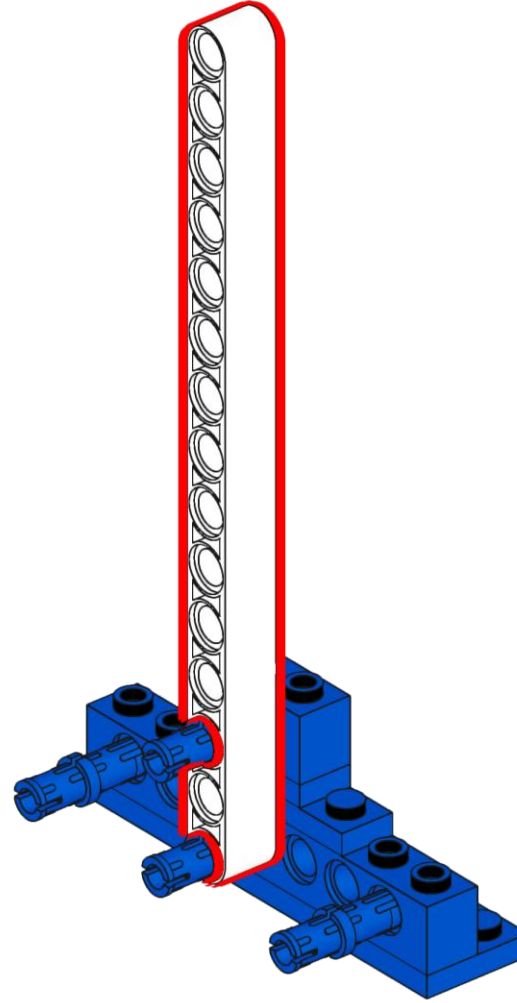
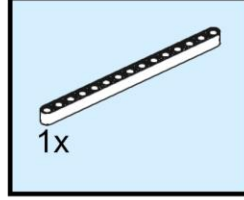
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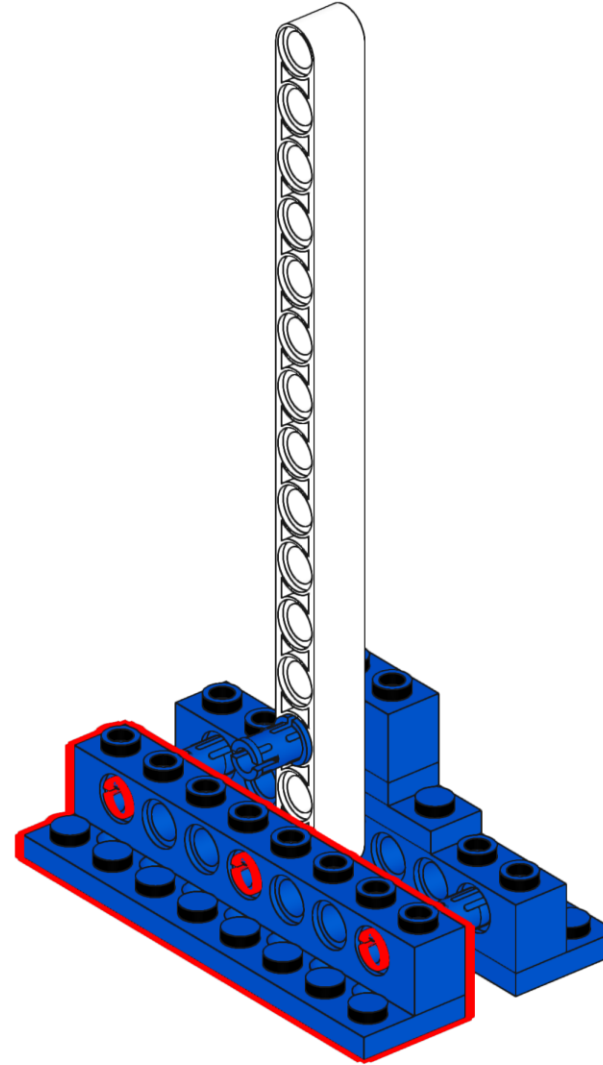
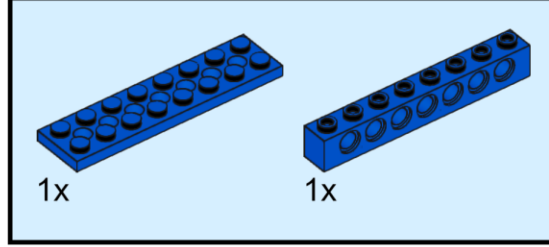
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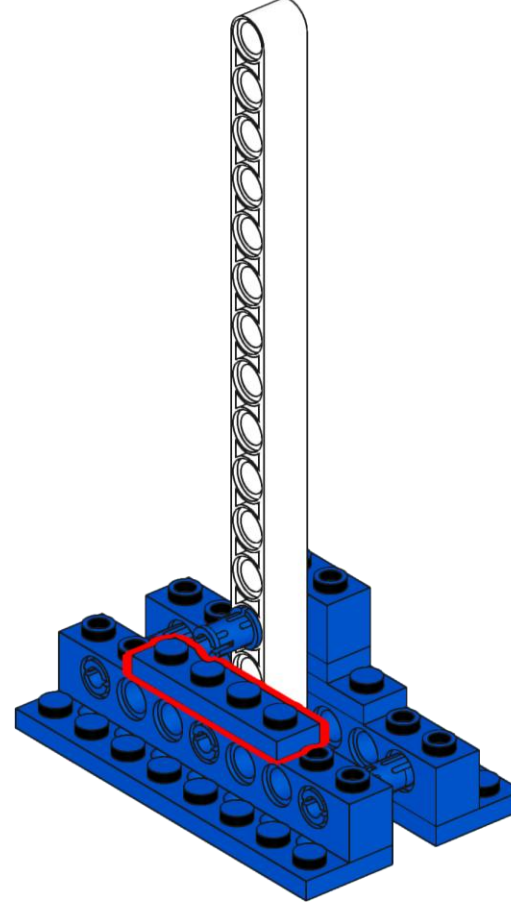
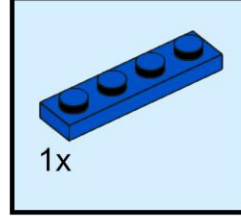
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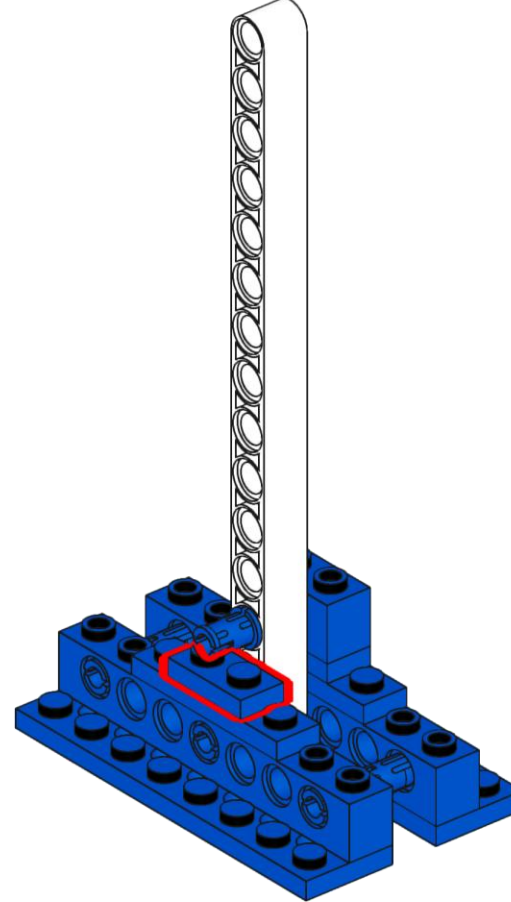
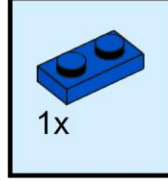
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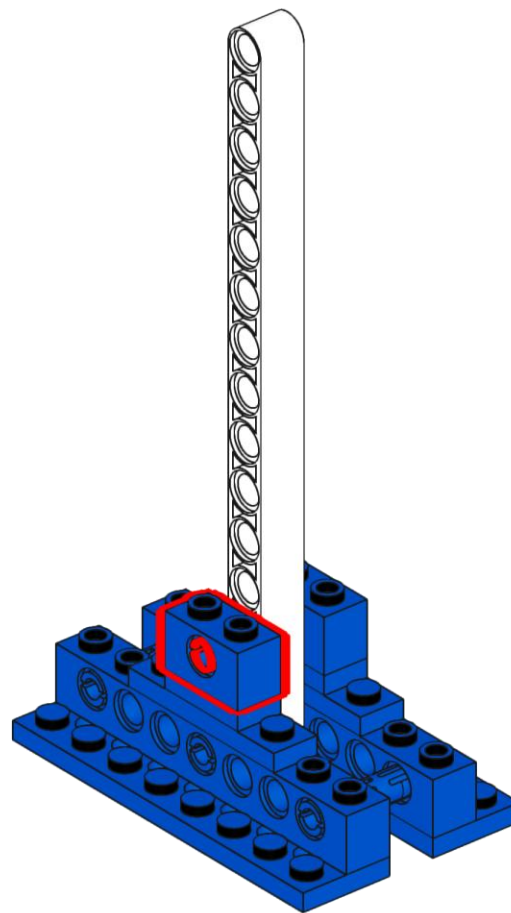
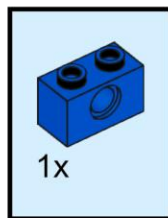
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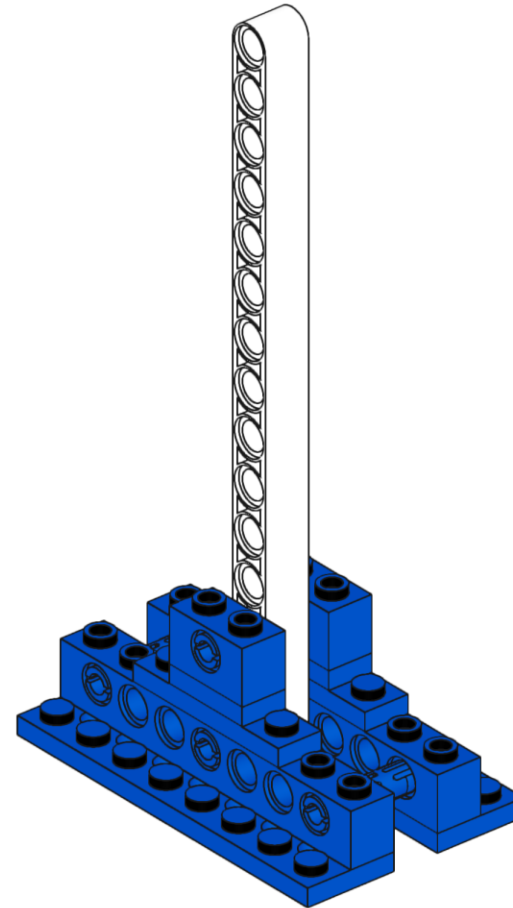
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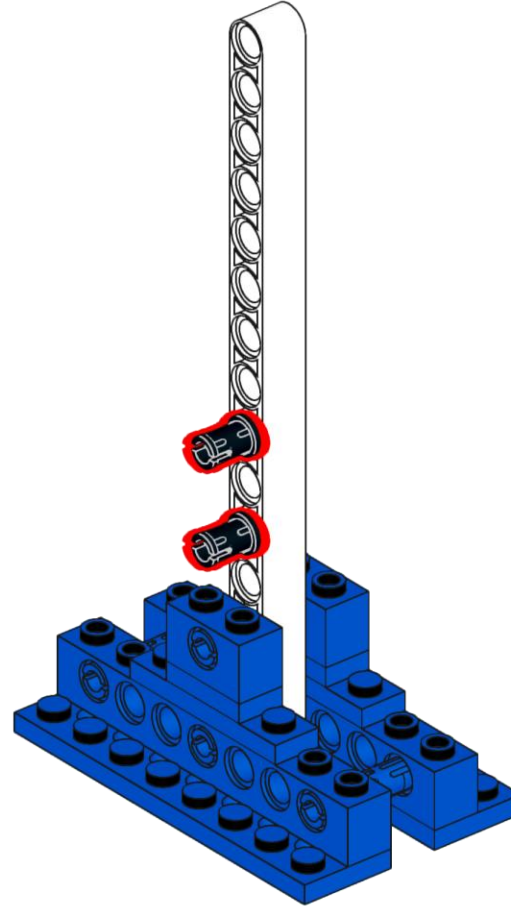
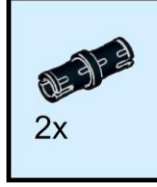
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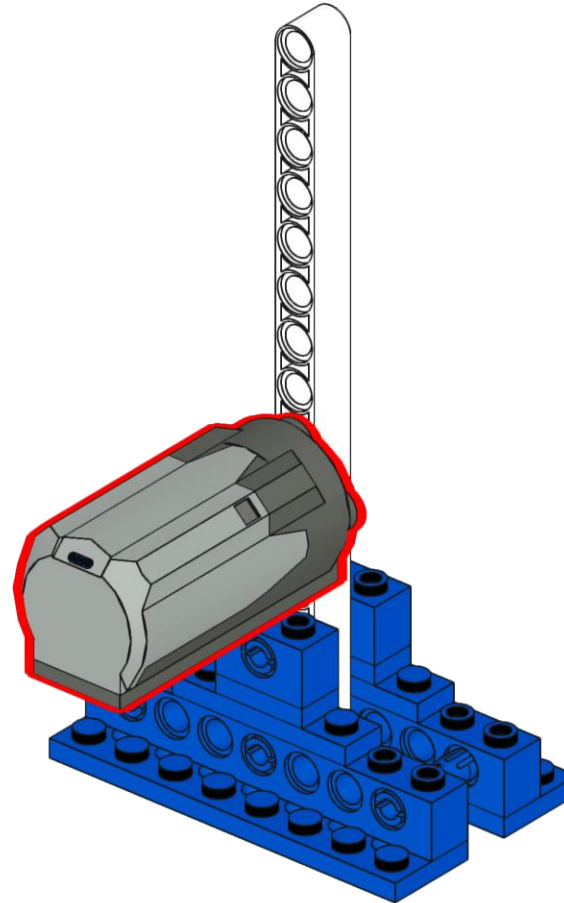
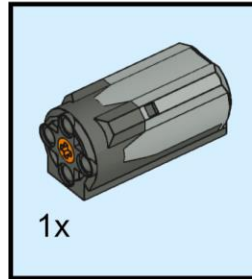
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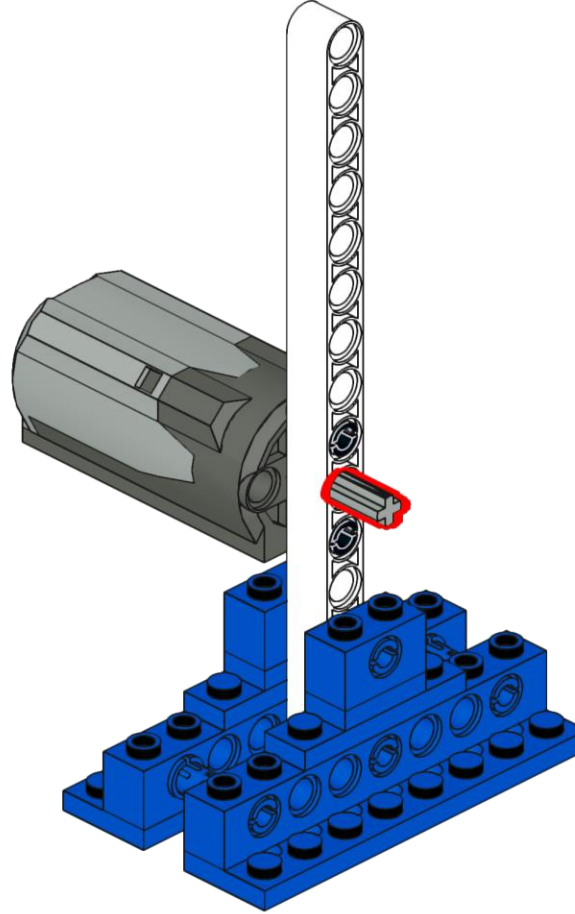
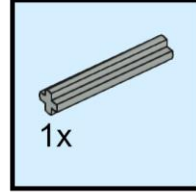
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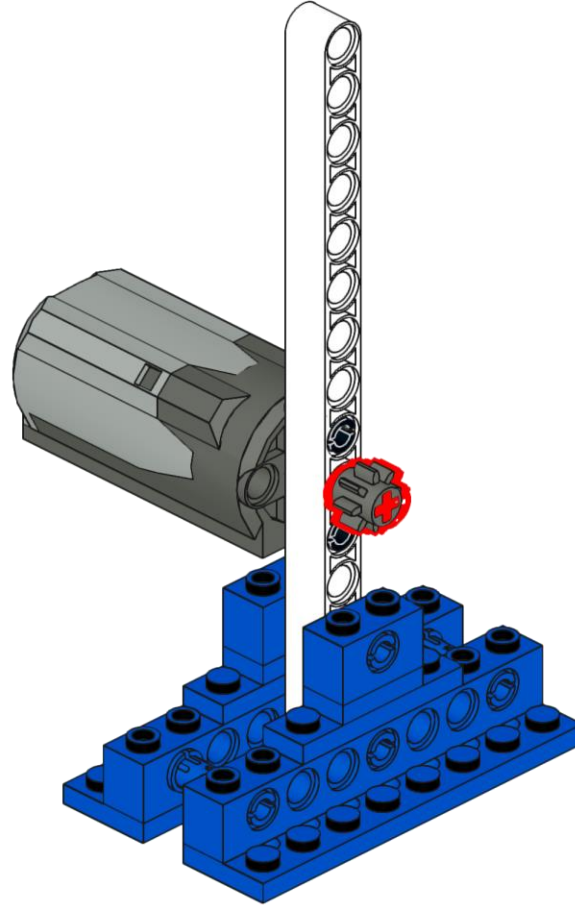
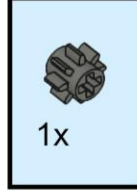
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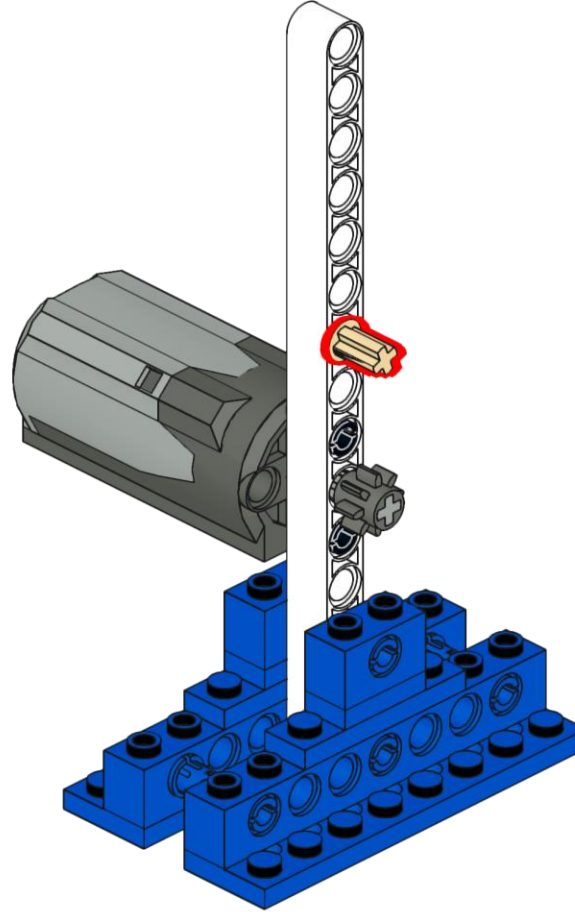
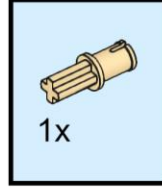
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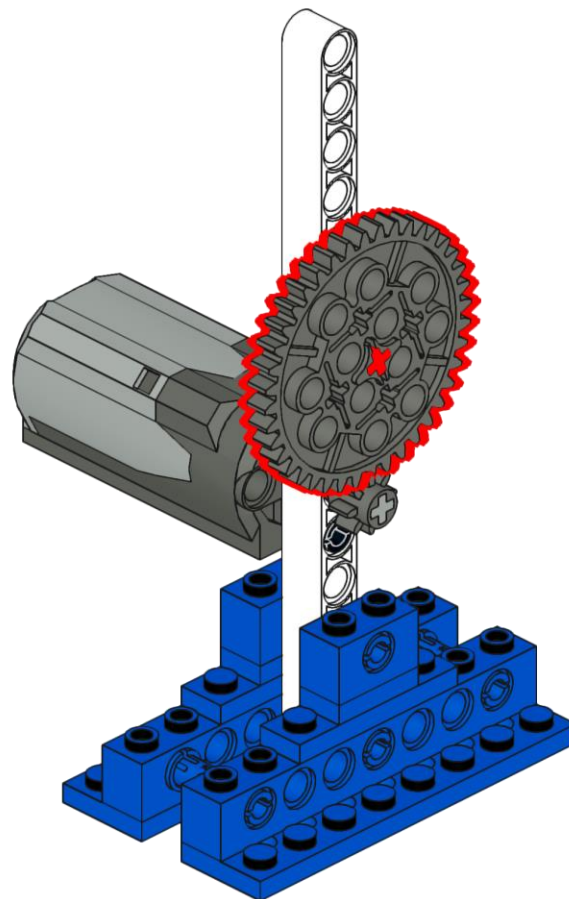
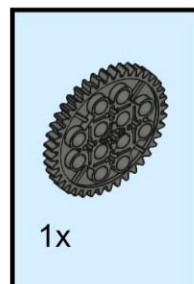
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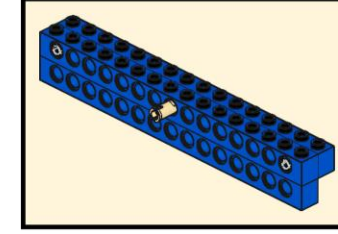
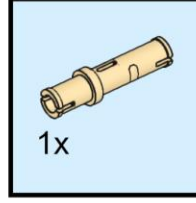
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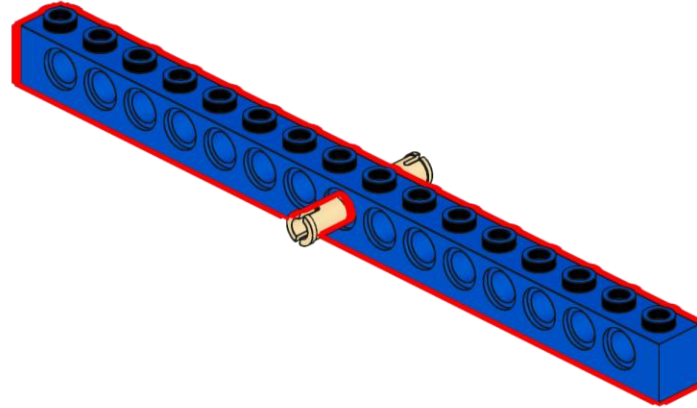
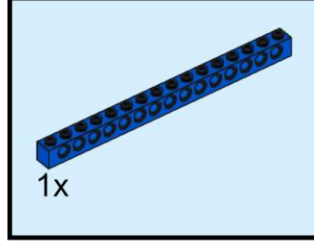
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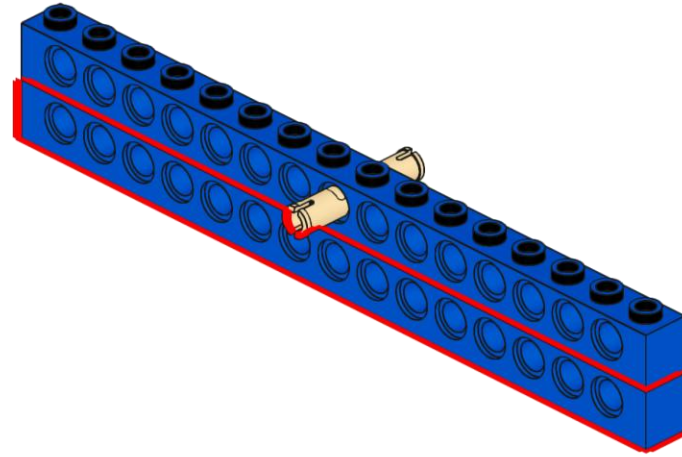
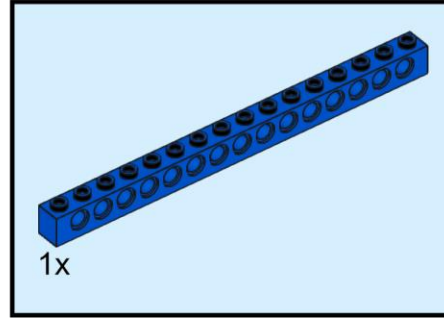
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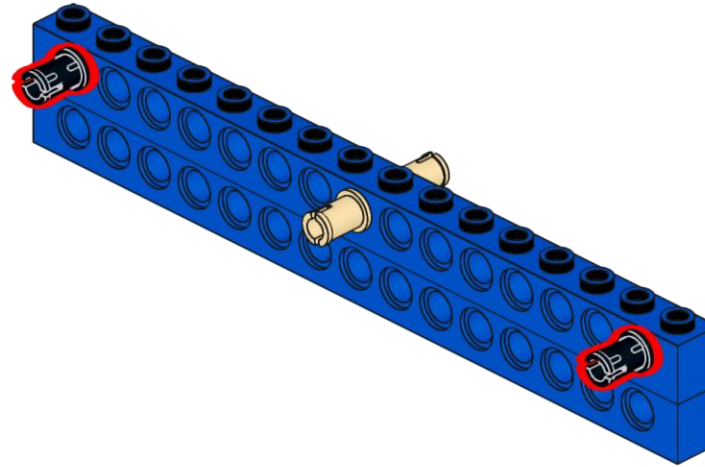
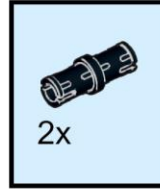
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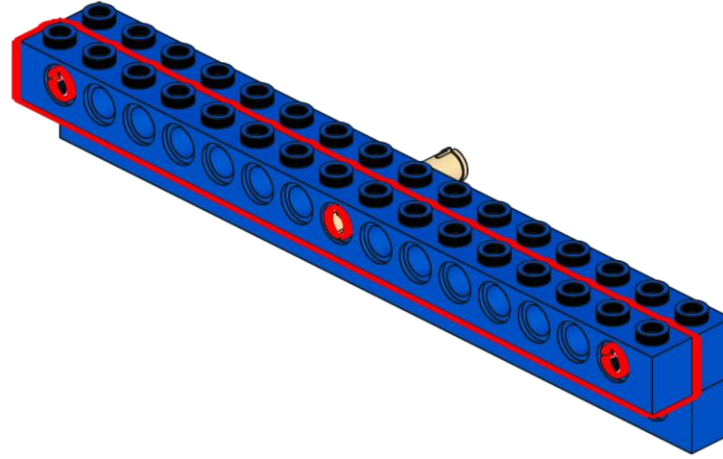
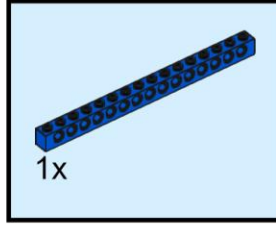
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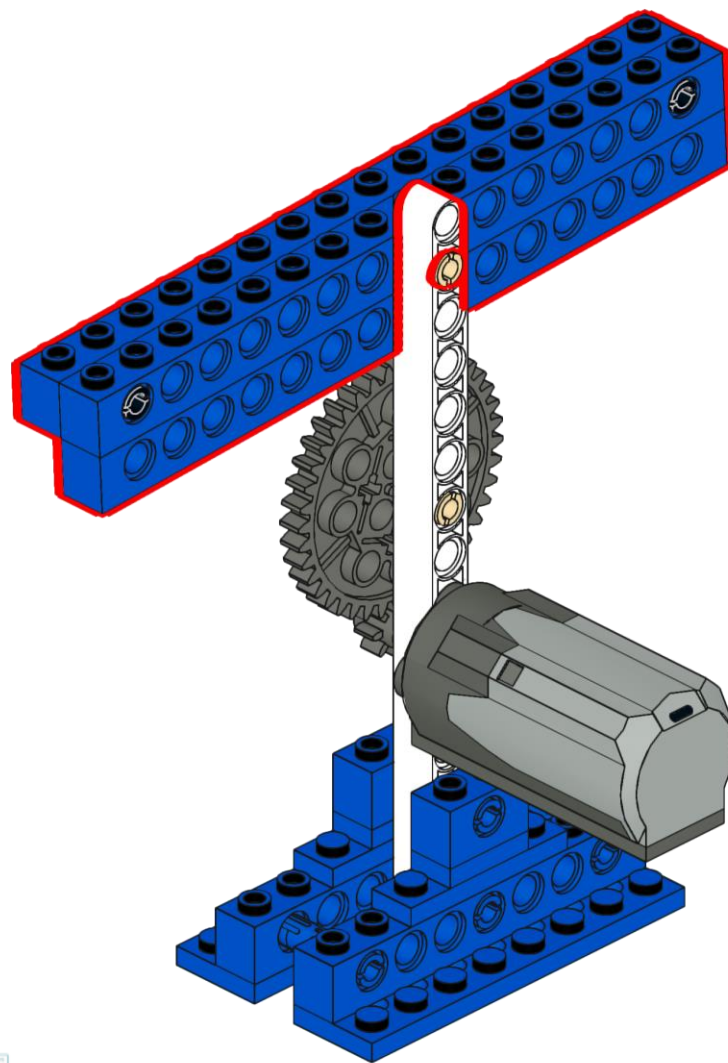
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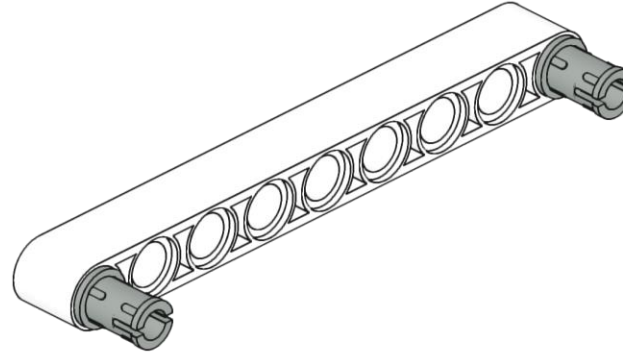
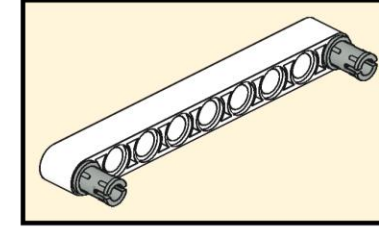
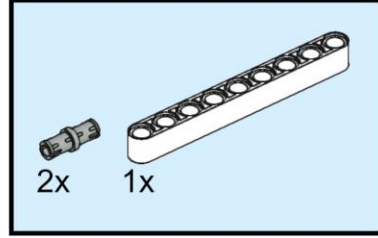
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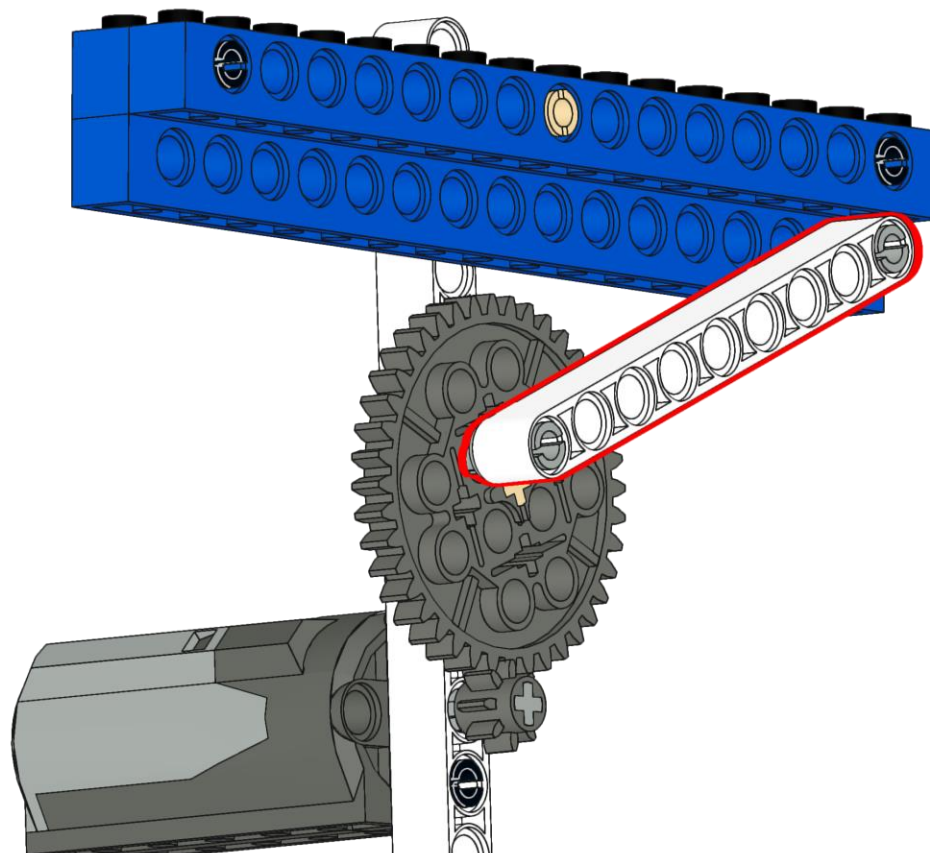
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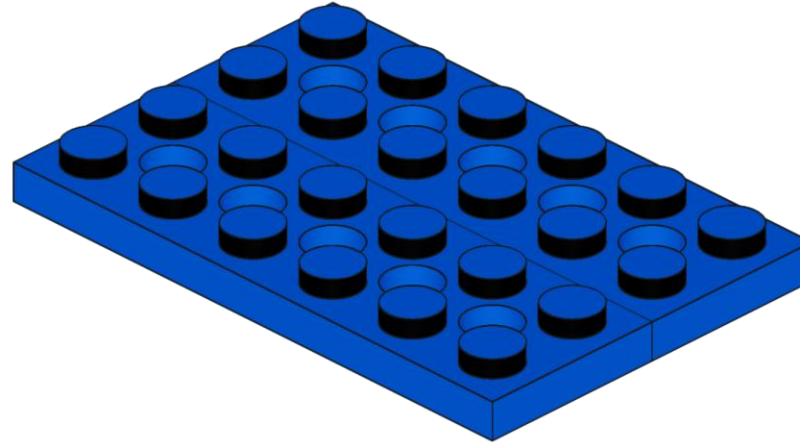
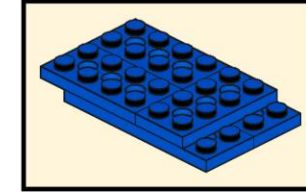
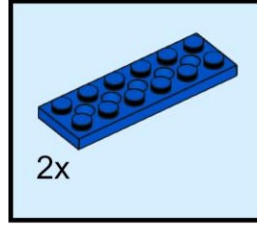
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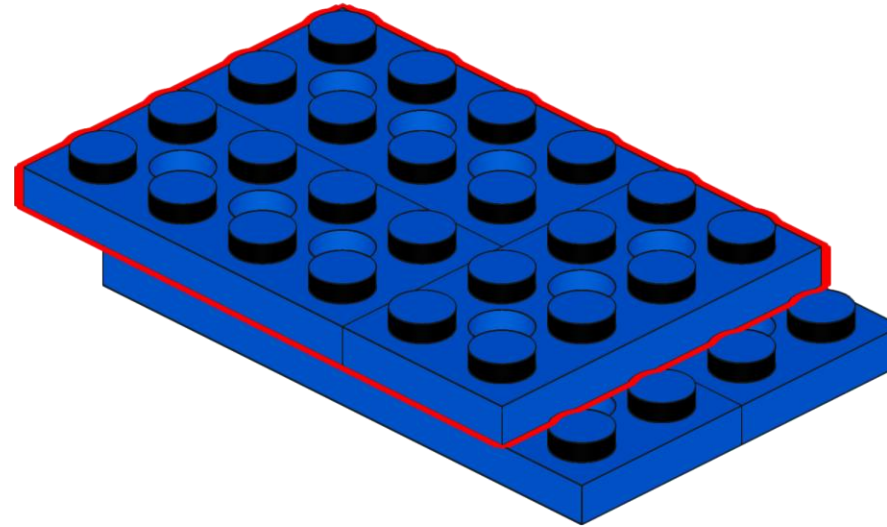
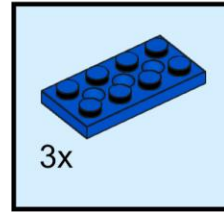
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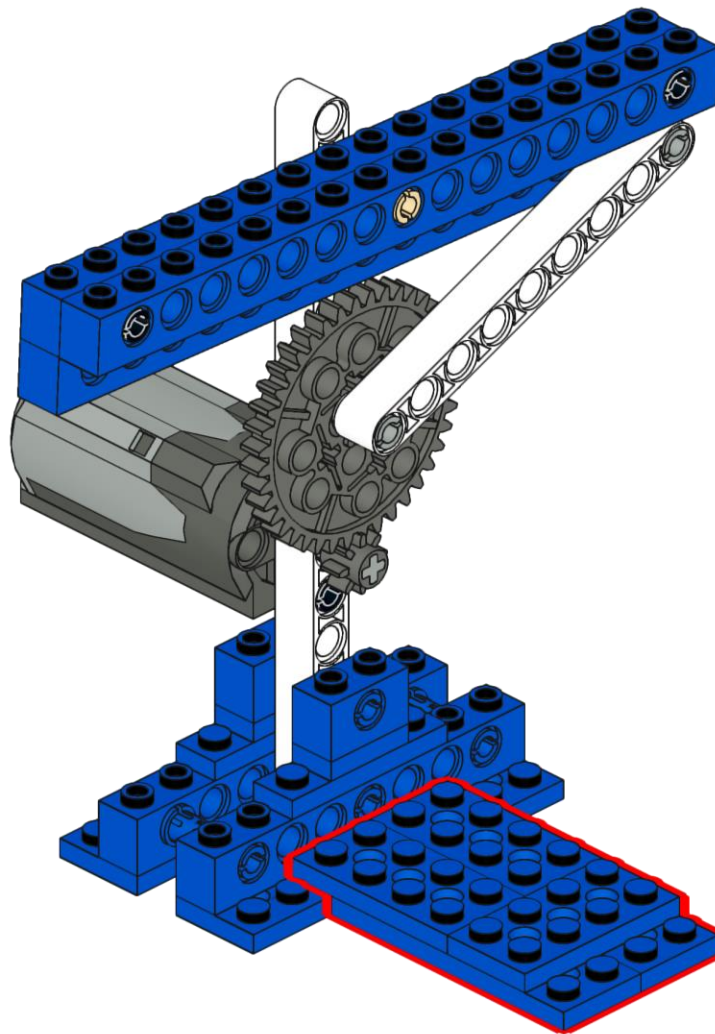
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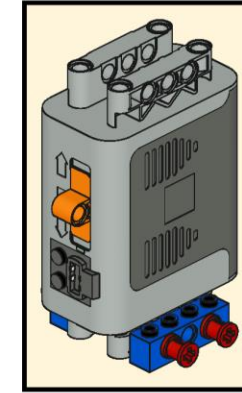
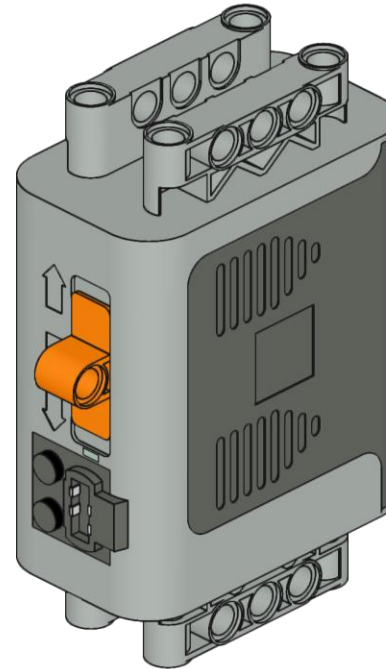
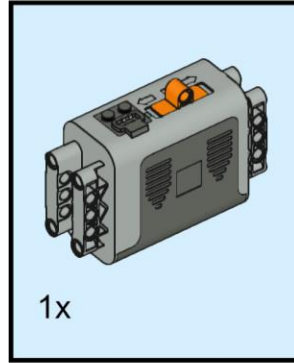
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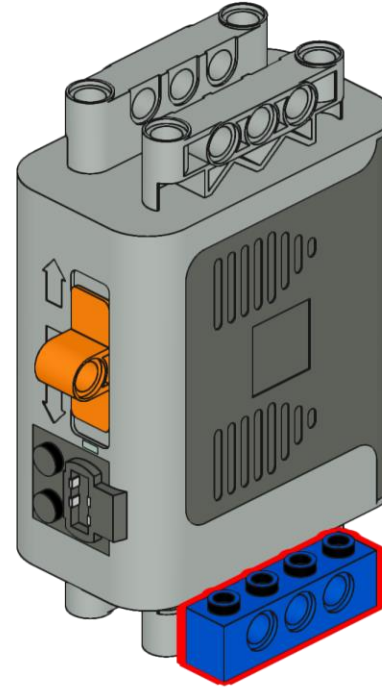
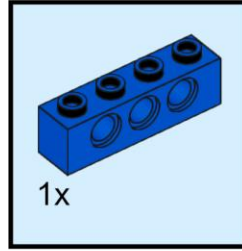
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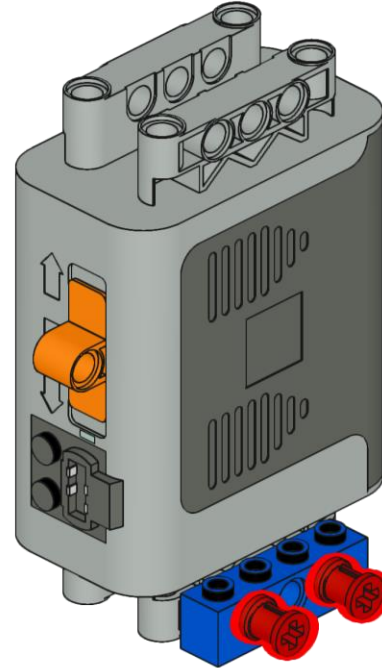
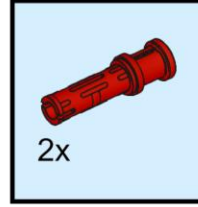
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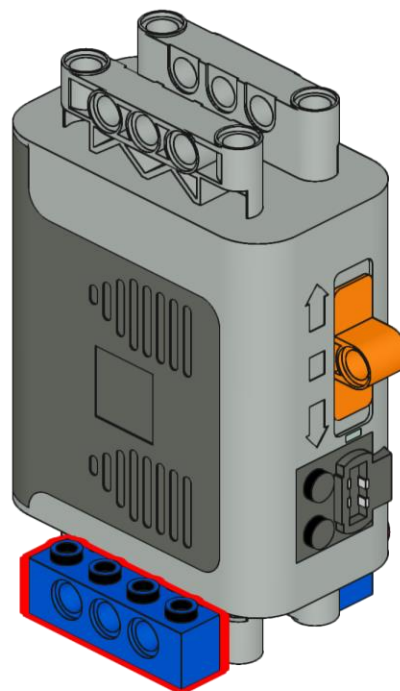
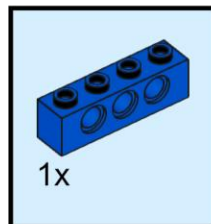
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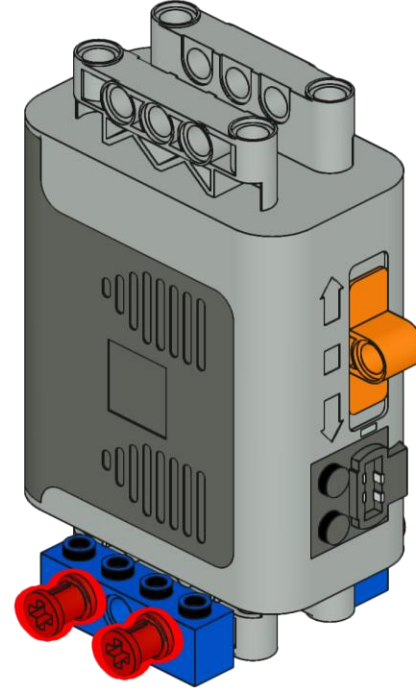
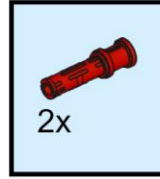
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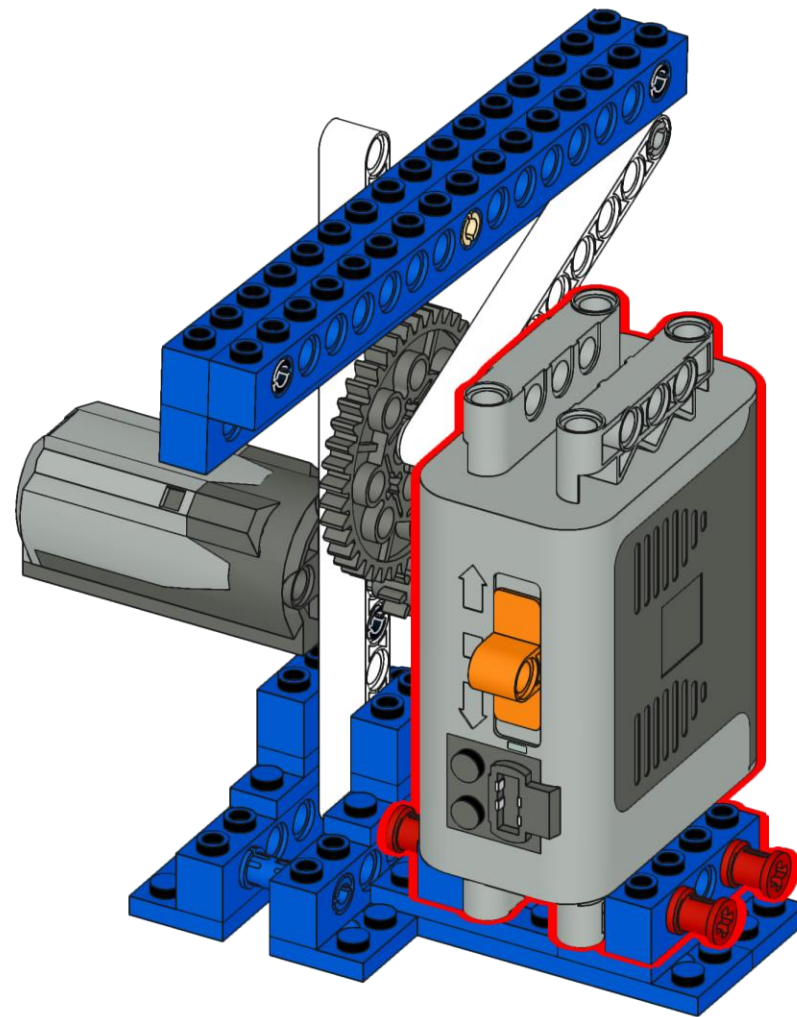
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*Όταν ολοκληρώσουμε το φύλλο εργασίας
αποσυναρμολογούμε την κατασκευή μας,
βάζοντας προσεκτικά κάθε κομμάτι στη θέση του*

