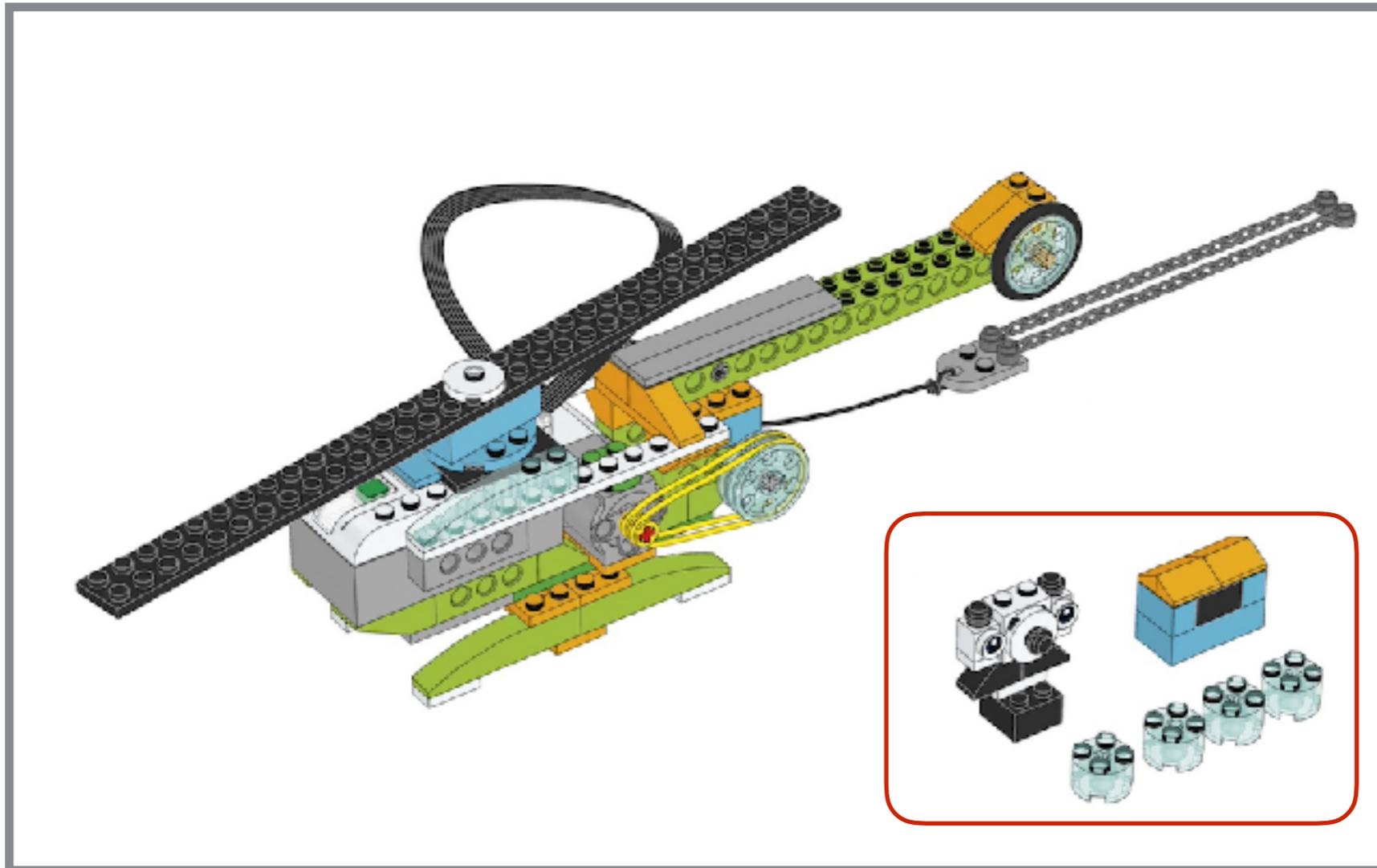


# Hélicoptère



## WeDo 2.0 de LEGO Education

Modification et bonification des plans par le Service national du RÉCIT à l'éducation préscolaire

Lynda O'Connell, conseillère pédagogique en TIC et Isabelle Therrien, enseignante à l'éducation préscolaire



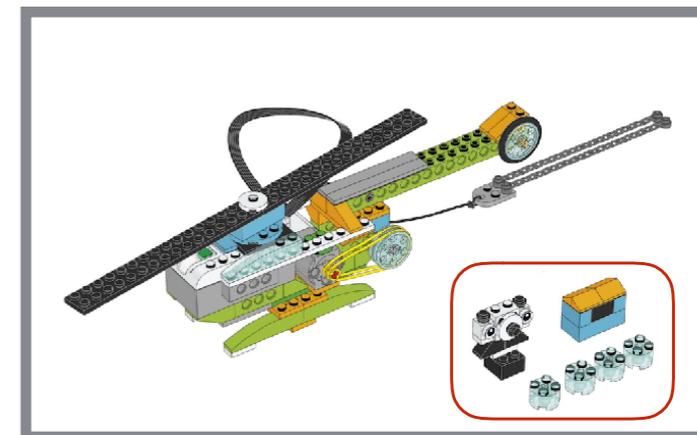
**Nombre d'étapes : 55**

**Nom original du modèle : Helicopter**

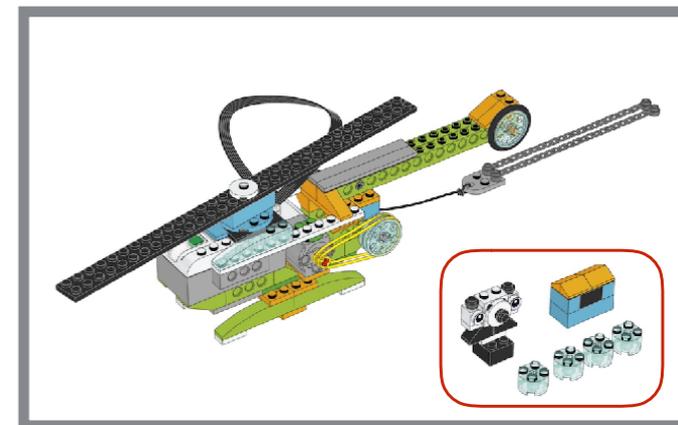
**Genre de déplacement : Enrouleur**

**Complément : Petits objets à soulever (étapes 45 à 55)**

**Remarques : Aucun capteur dans ce modèle**



# INVENTAIRE DES PIÈCES



- |   |   |   |   |   |   |
|---|---|---|---|---|---|
| 1 | 4 | 4 | 2 | 1 | 1 |
| 4 | 4 | 2 | 1 | 1 | 1 |
| 1 | 3 | 2 | 1 | 1 | 1 |
| 1 | 3 | 4 | 2 | 2 | 1 |
| 2 | 2 | 2 | 4 | 1 | 2 |
| 2 | 2 | 1 | 1 | 1 | 2 |
| 1 | 4 | 4 | 1 | 1 | 2 |

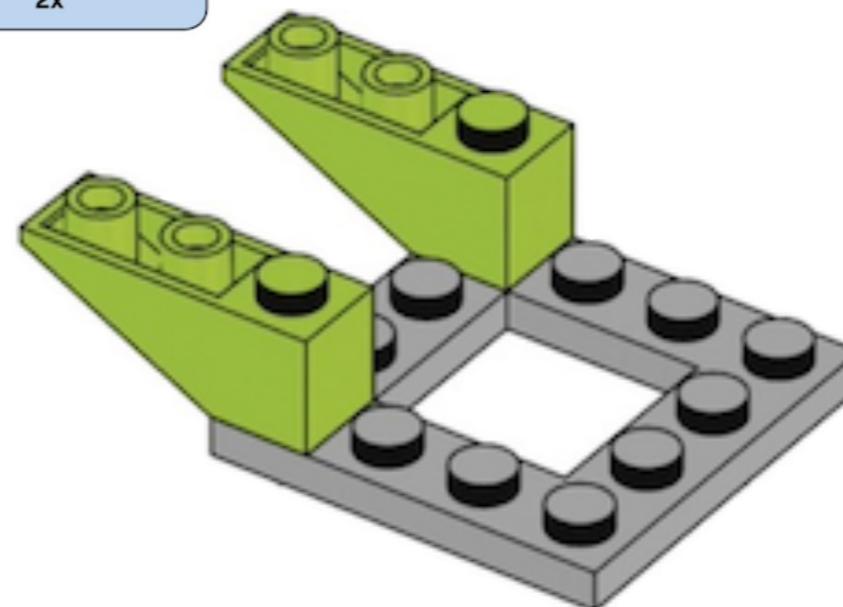
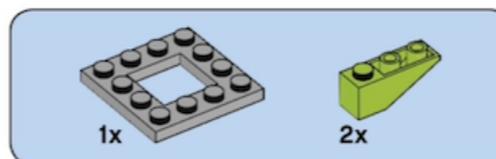
En complément...

- |   |   |
|---|---|
| 1 | 3 |
| 2 | 3 |
| 4 | 2 |
| 1 | 4 |
| 2 | 1 |
| 1 | 2 |
| 1 |   |

◆ 1 plaque de cadre, 4x4 (gris)

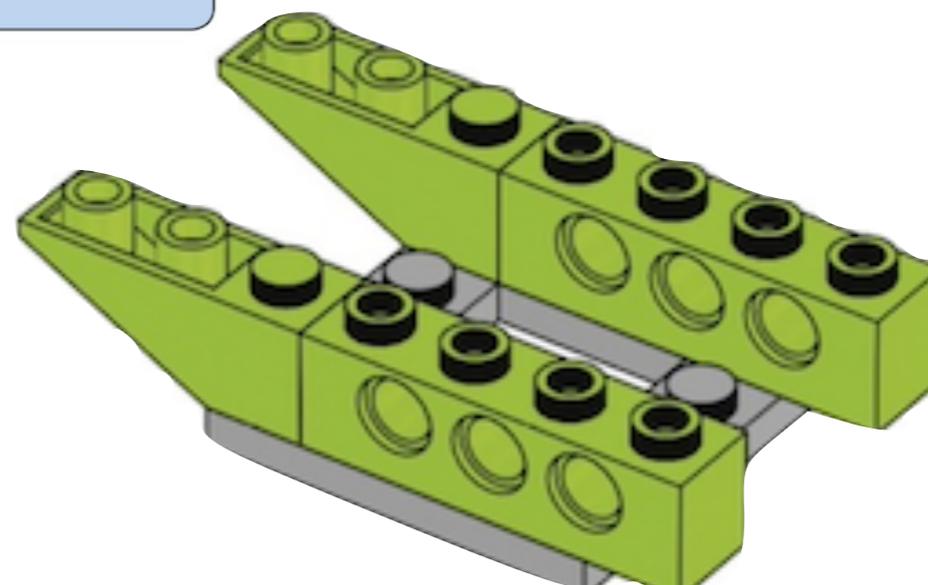
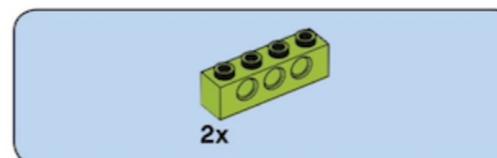
◆ 2 briques inclinées inversées 1x3/25° (vert citron)

1



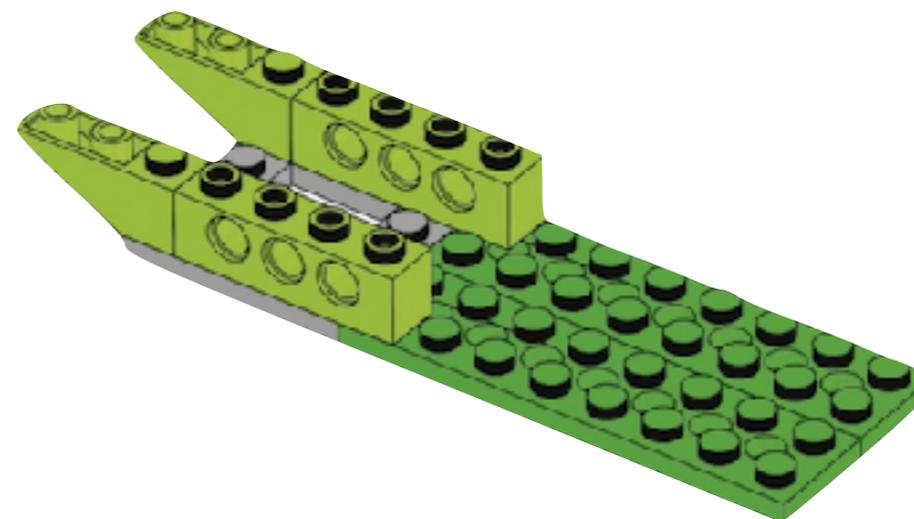
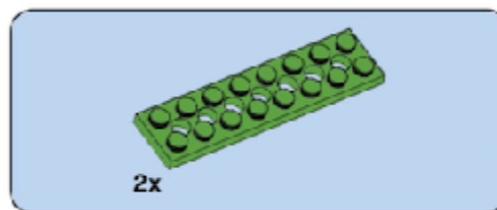
◆ 2 poutres perforées, 1x4 (vert citron)

2



- ◆ 2 plaques percées, 2x8 (vert vif)

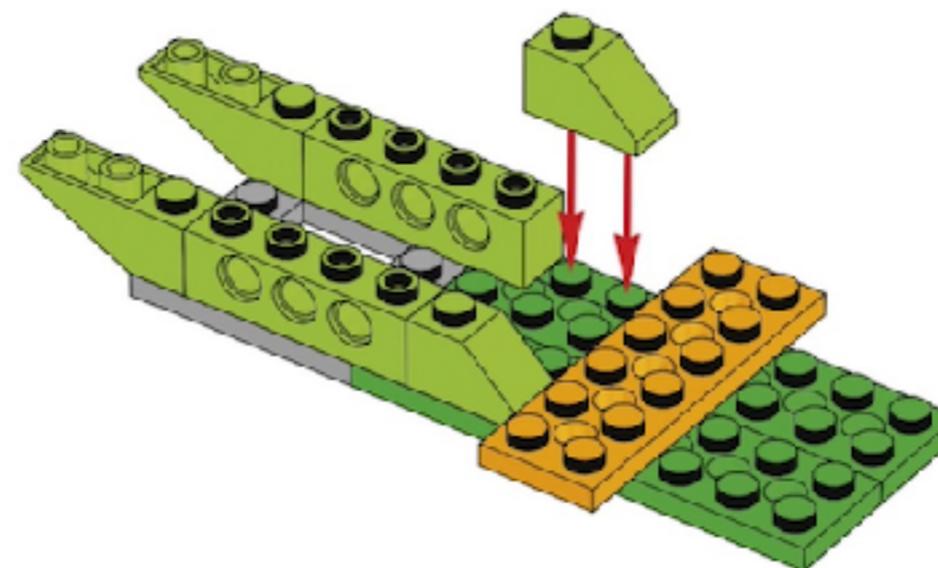
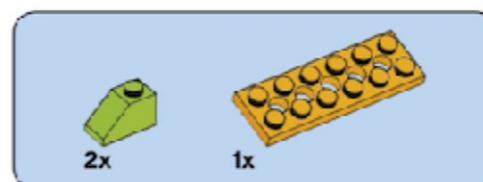
3



- ◆ 1 brique inclinée, 1x2/45° (vert citron)

- ◆ 1 plaque percée, 2x6 (orange vif)

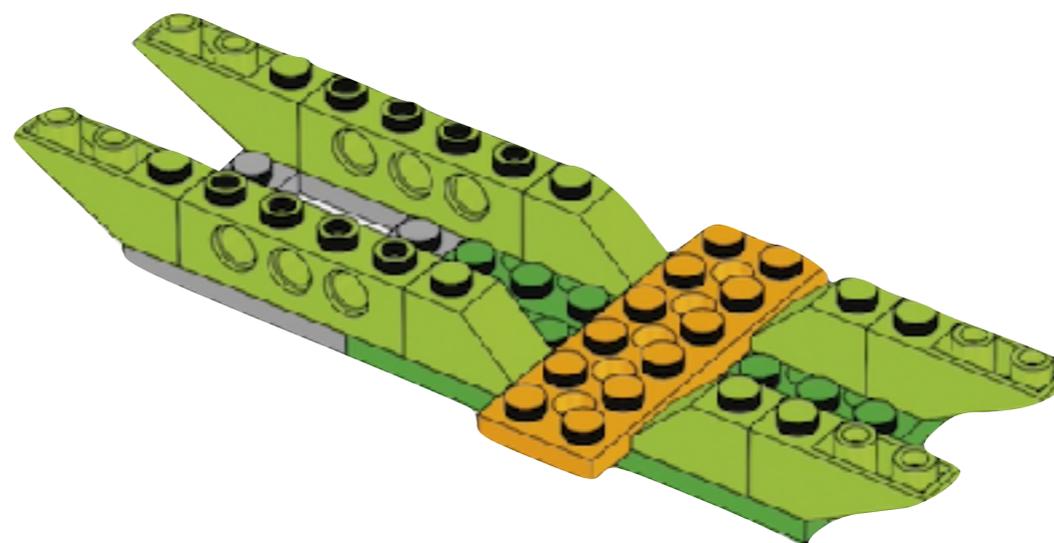
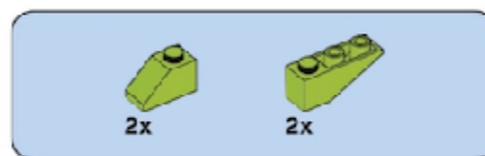
4



◆ 2 briques inclinées,  
1x2/45° (vert citron)

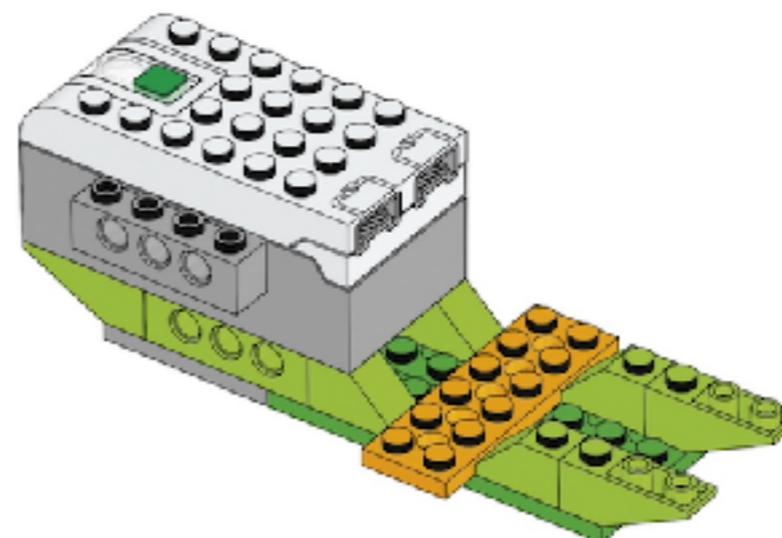
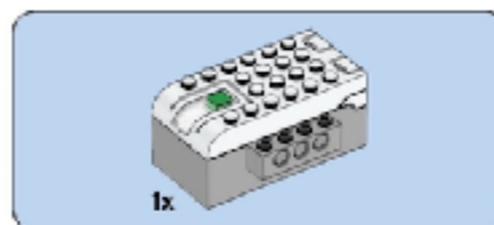
◆ 2 briques inclinées  
inversées, 1x3/25°  
(vert citron)

5



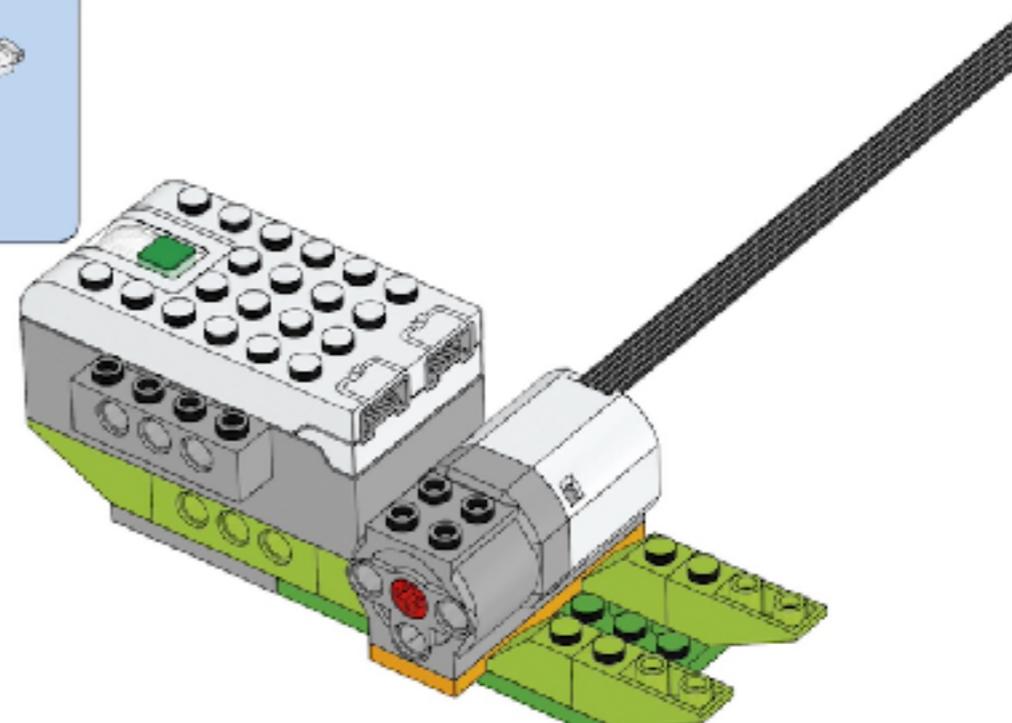
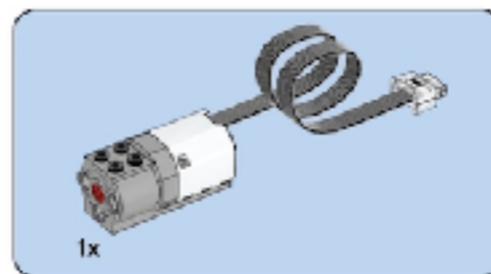
◆ 1 brique intelligente,  
(blanc)

6



- ◆ 1 moteur moyen (blanc)

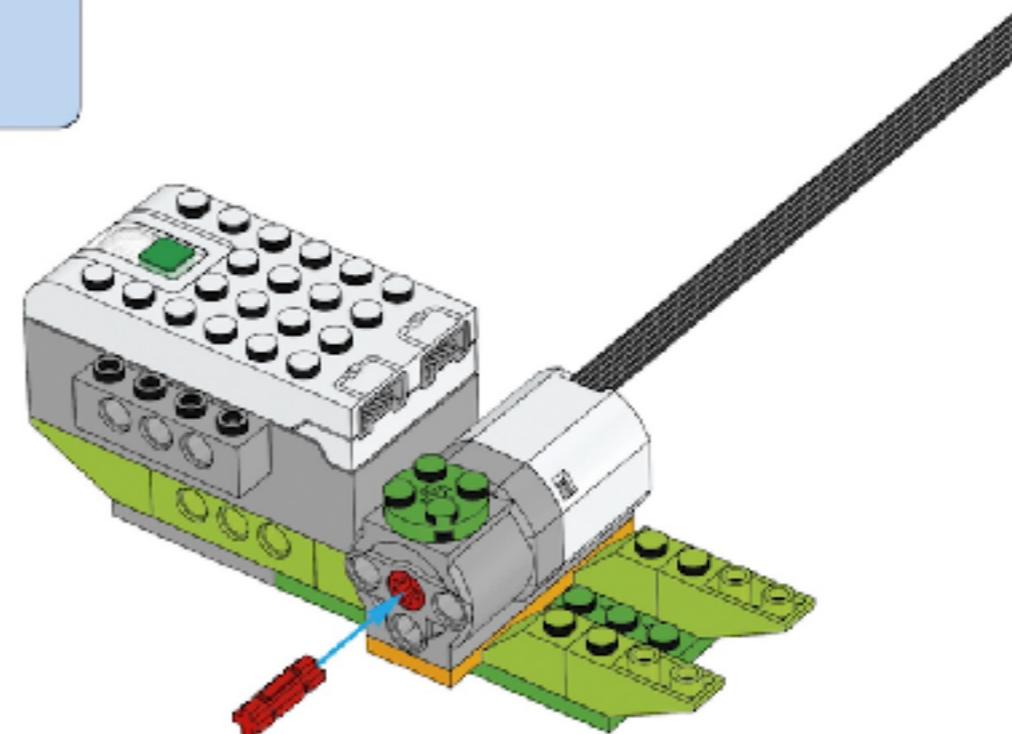
7



- ◆ 1 axe, 2 modules (rouge)

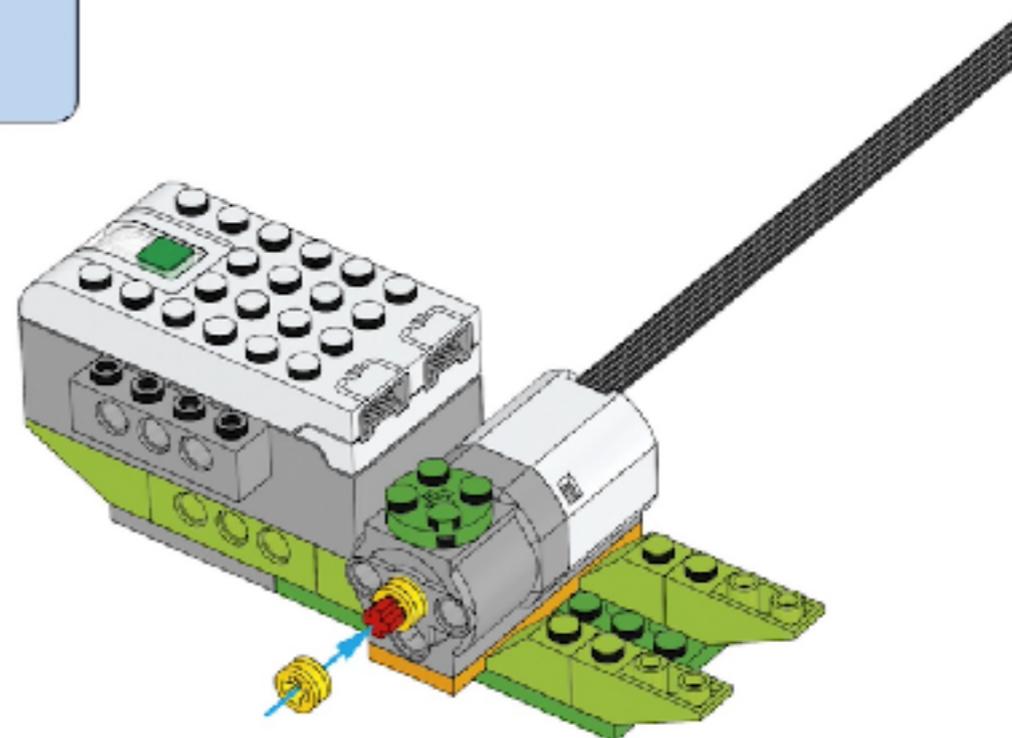
- ◆ 1 plaque ronde, 2x2 (vert vif)

8



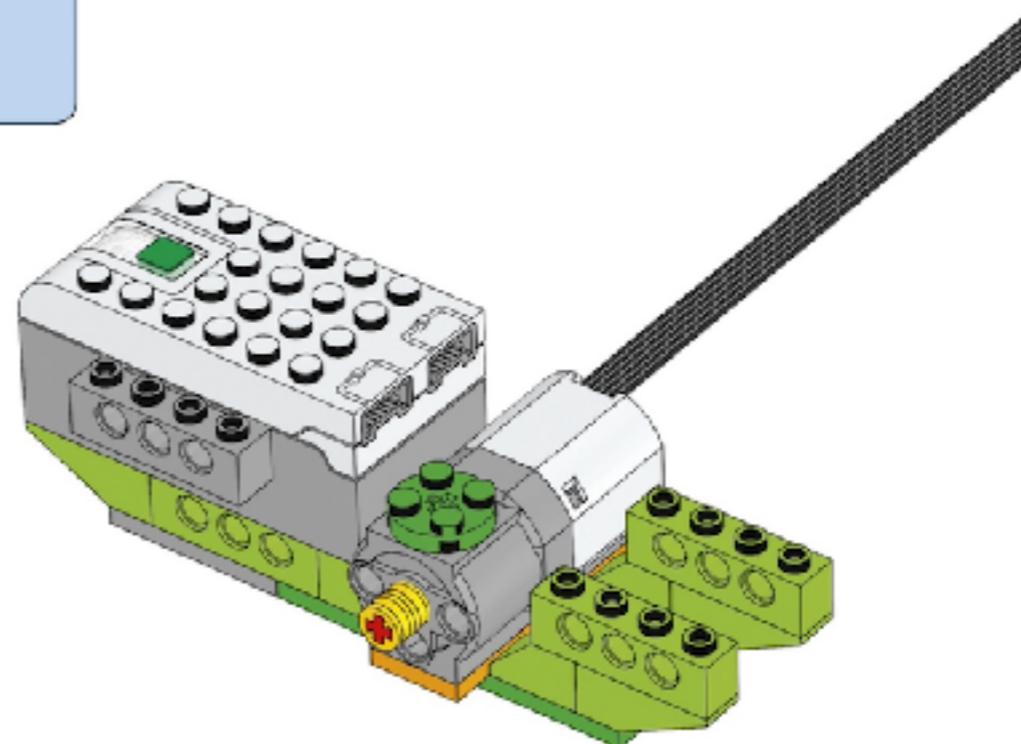
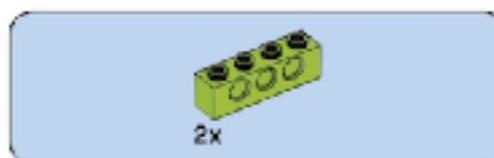
◆ 2 bagues/poulies, 1/2 module (jaune)

9



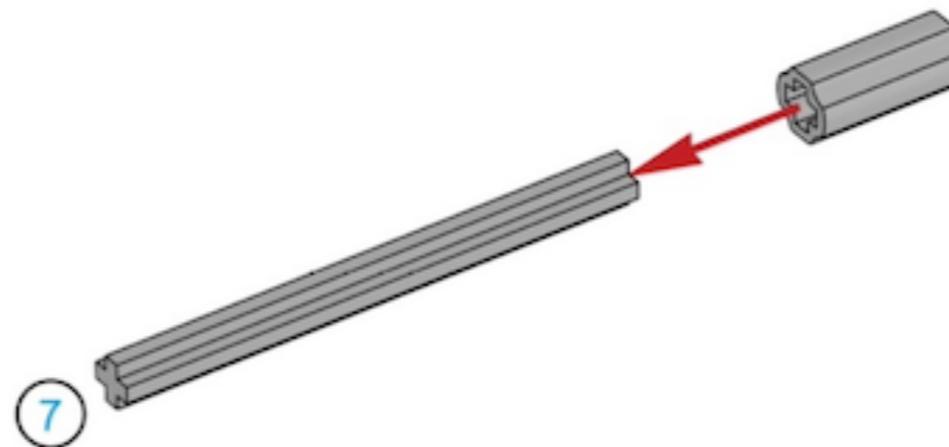
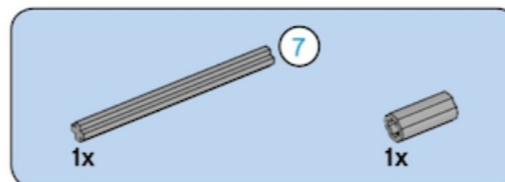
◆ 1 poutre perforée, 1x4 (vert citron)

10



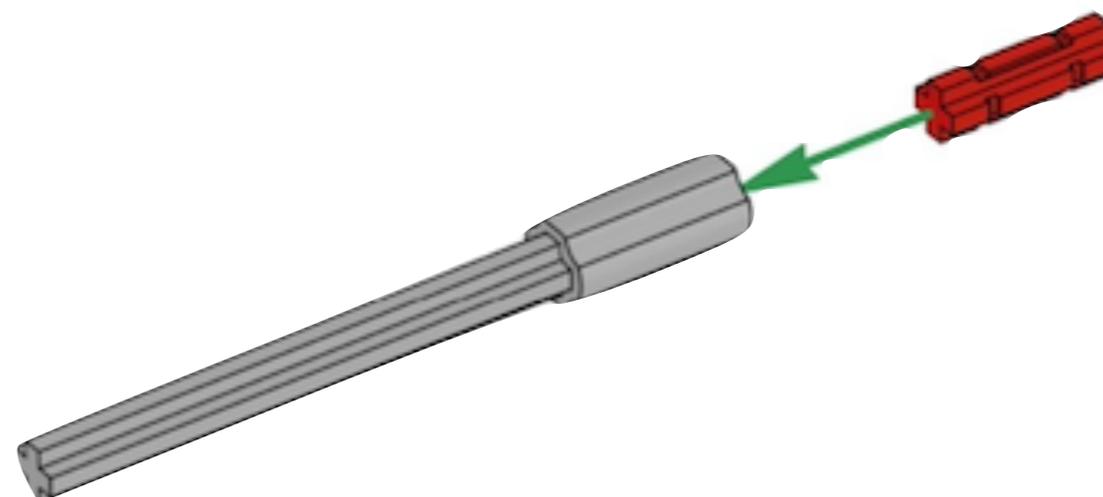
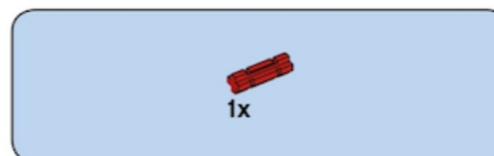
- ◆ 1 axe, 7 modules (gris)
- ◆ 1 bague/allonge d'axe, 2 modules (gris)

11



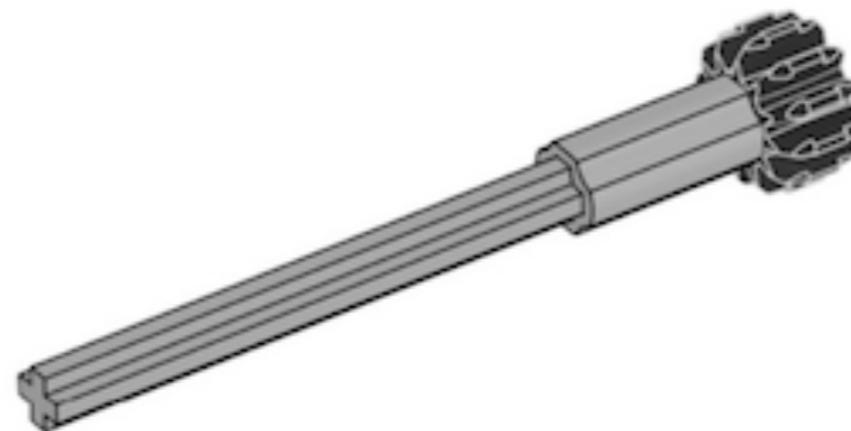
- ◆ 1 axe, 2 modules (rouge)

12

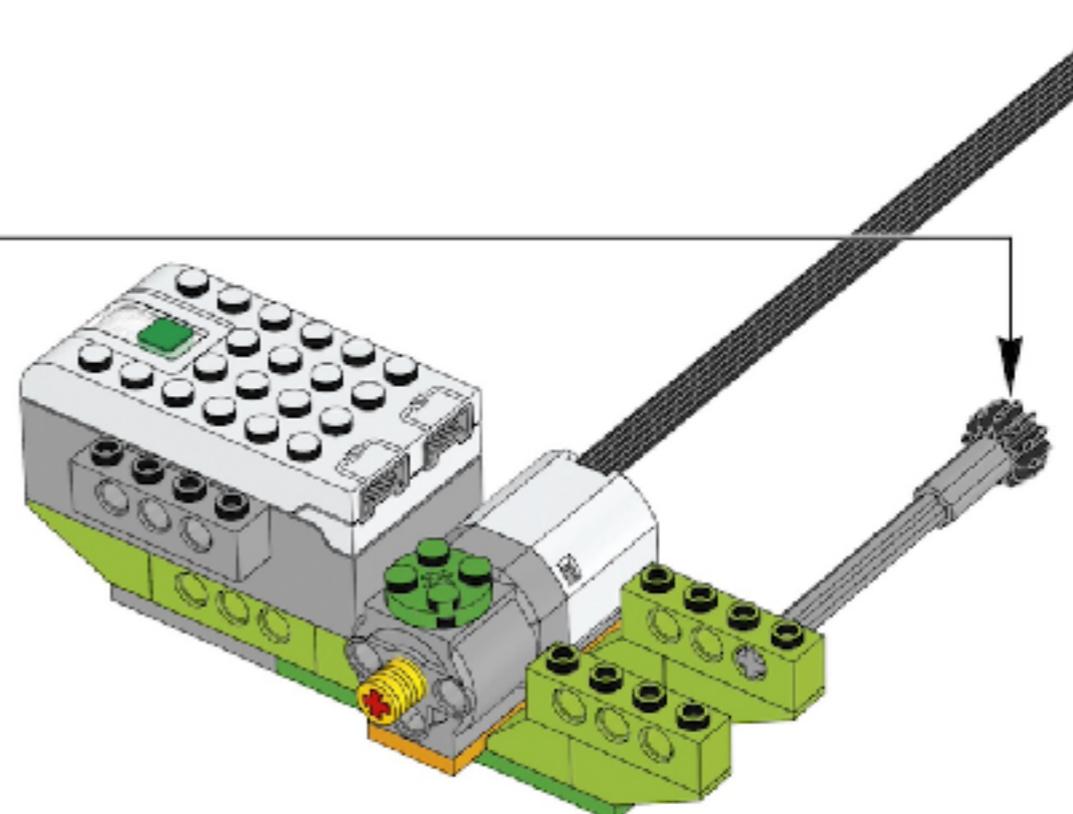


◆ 1 double engrenage conique, 12 dents (noir)

13



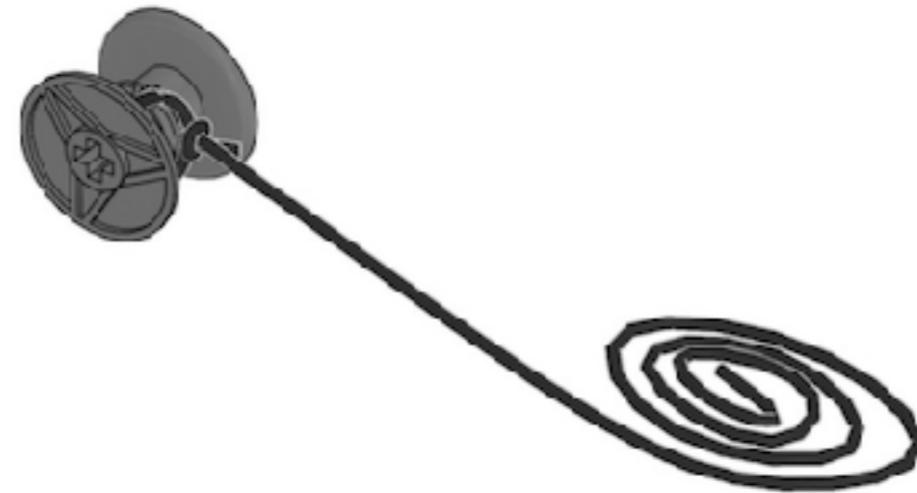
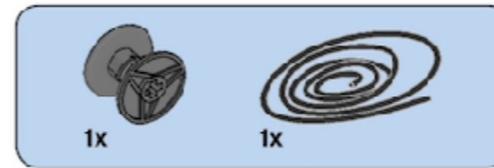
14



◆ 1 bobine (gris foncé)

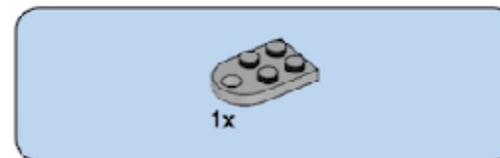
◆ 1 ficelle, 50 cm (noir)

15

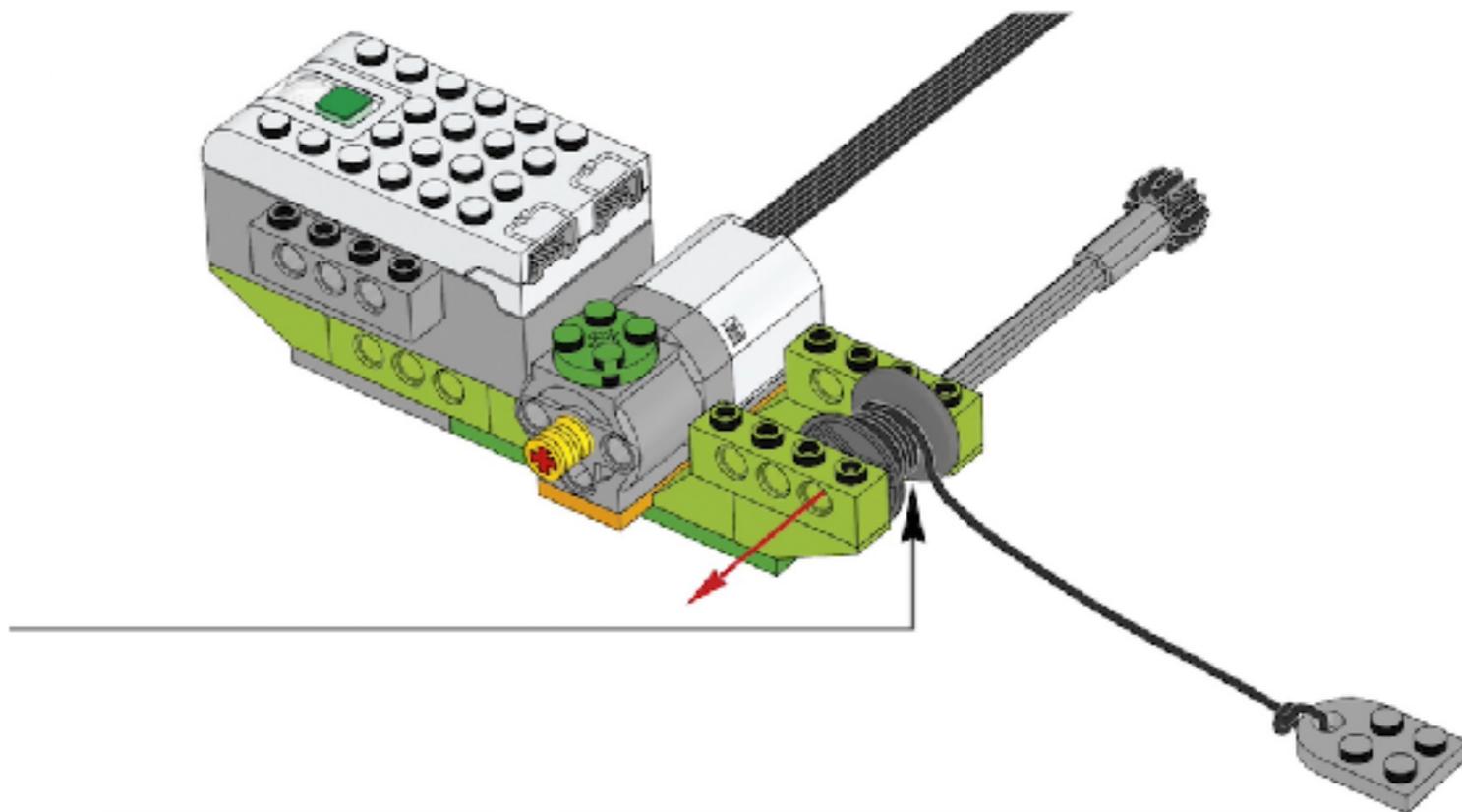


◆ 1 plaque percée, 2x3 (gris)

16

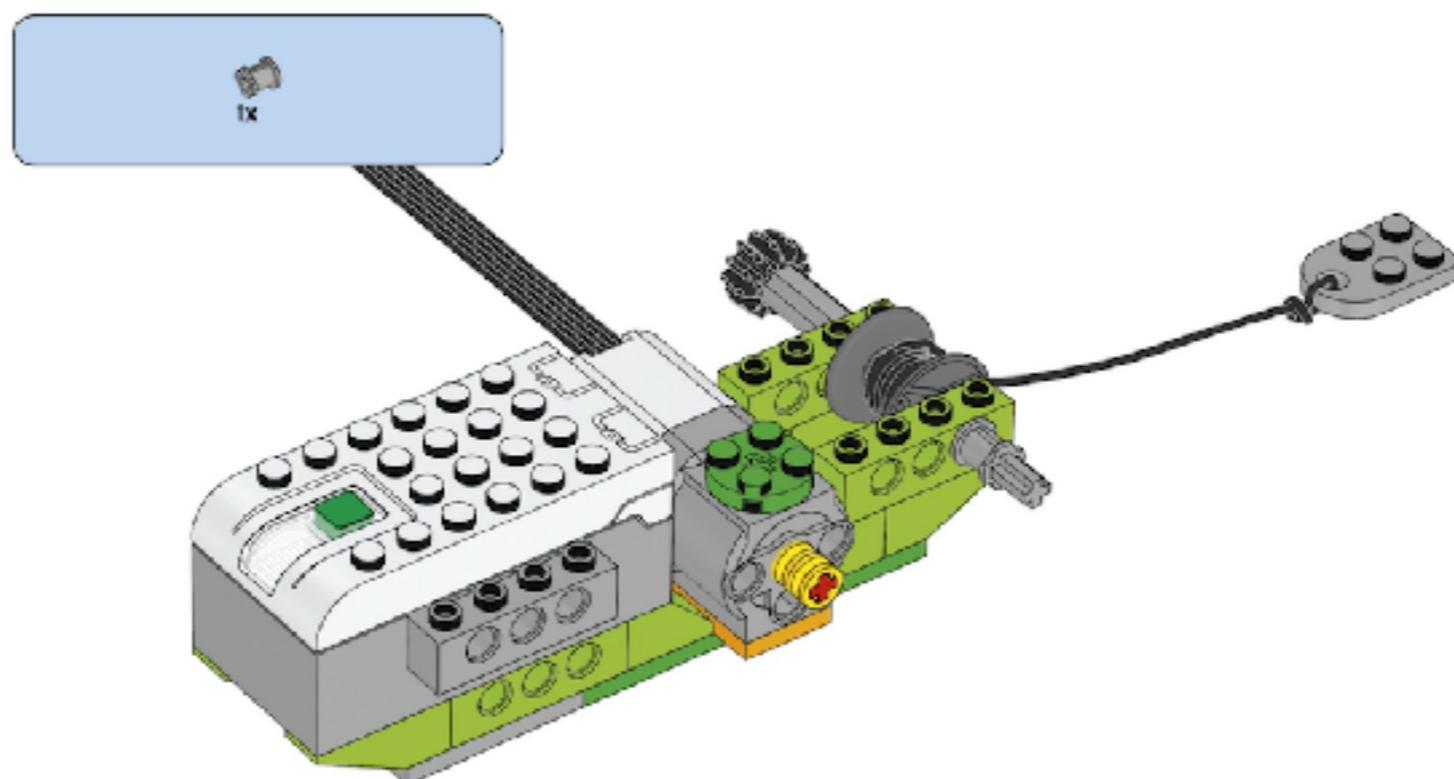


17



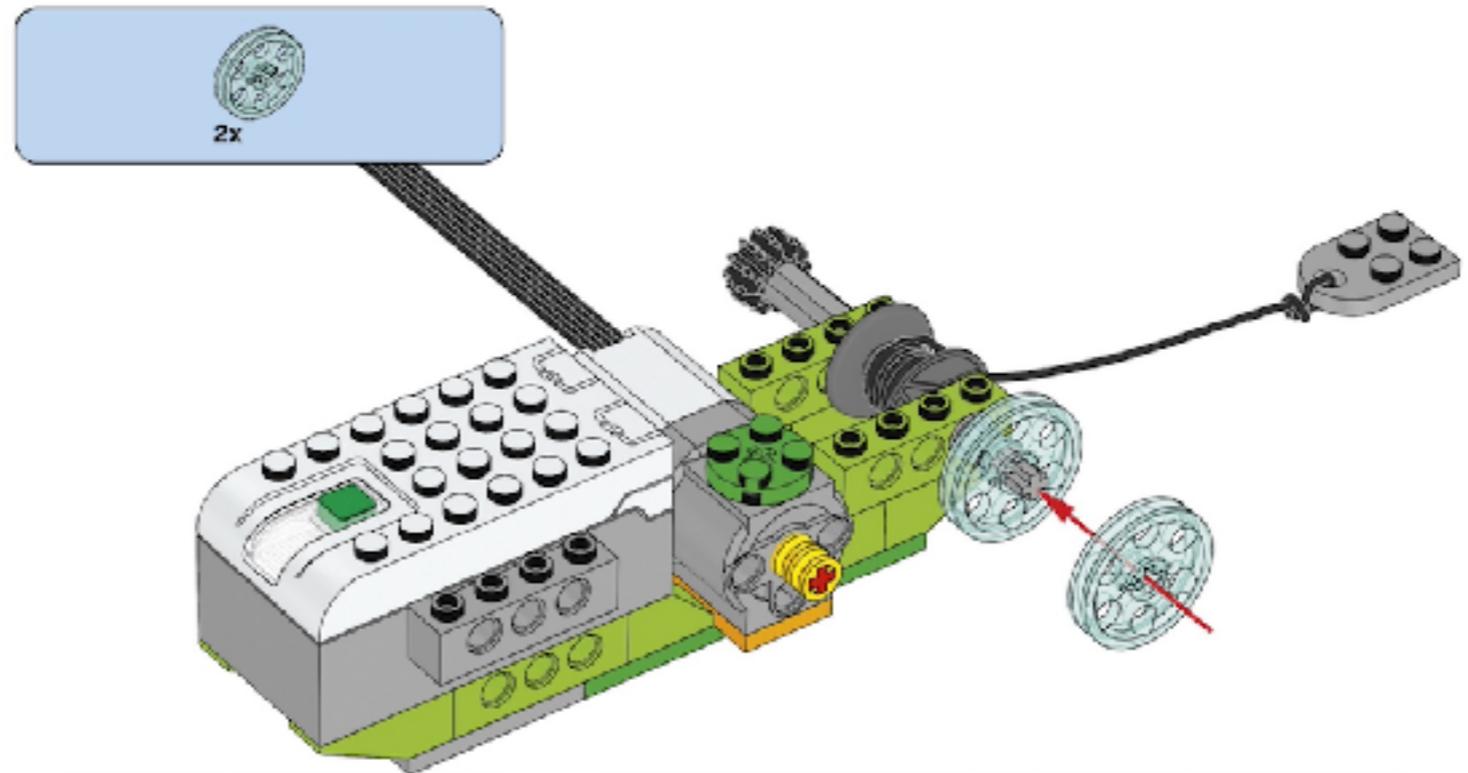
◆ 1 bague, 1 module (gris)

18



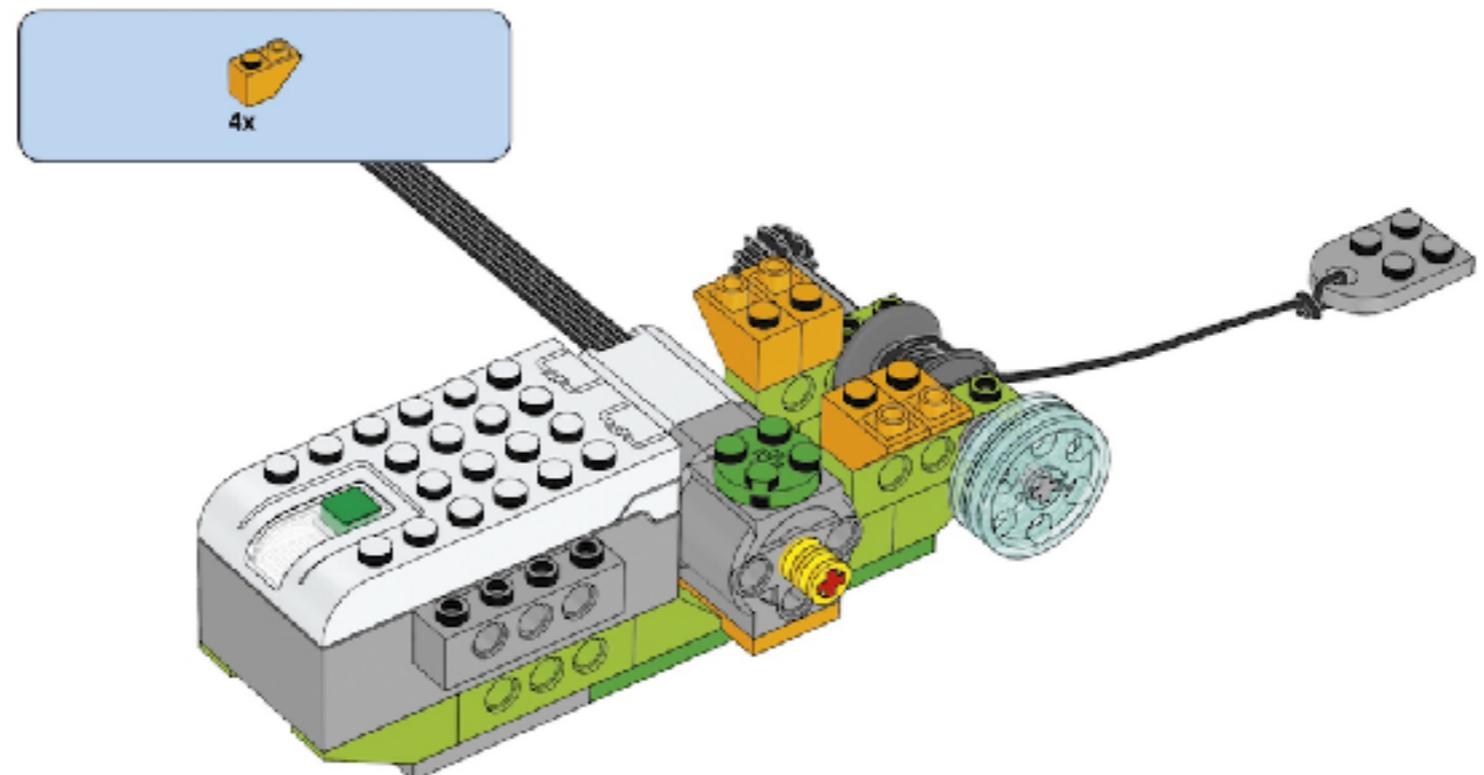
- ◆ 2 moyeux/poulies, 24x4 mm (bleu clair transparent)

19



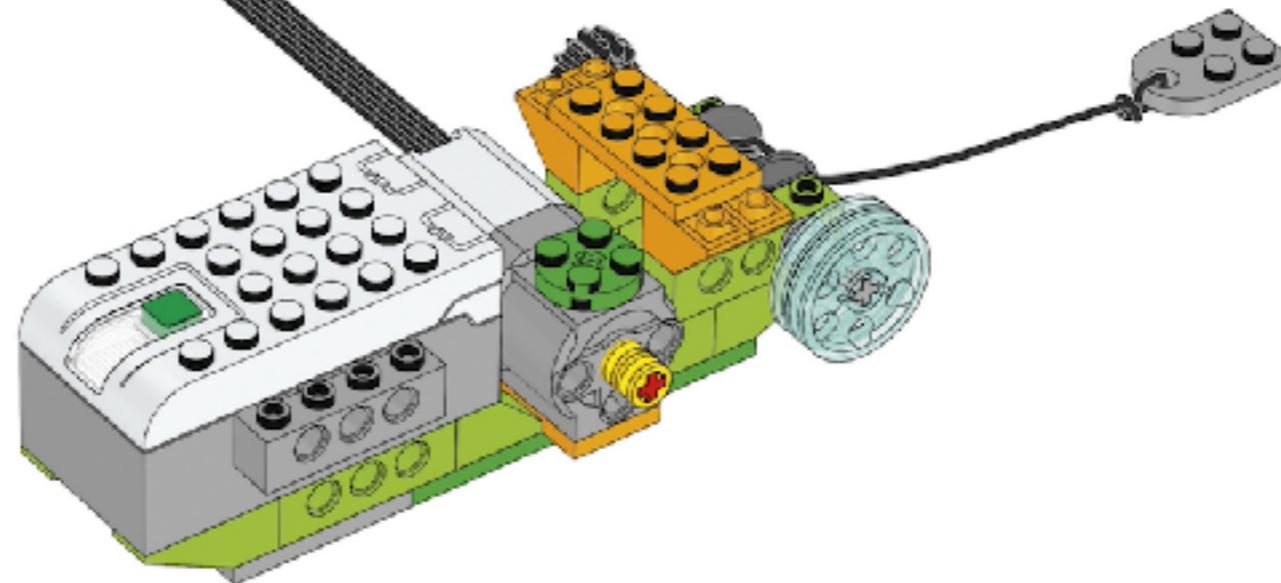
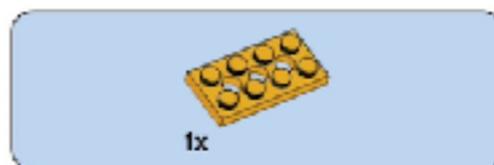
- ◆ 4 briques inclinées inversées, 1x2/45° (orange vif)

20



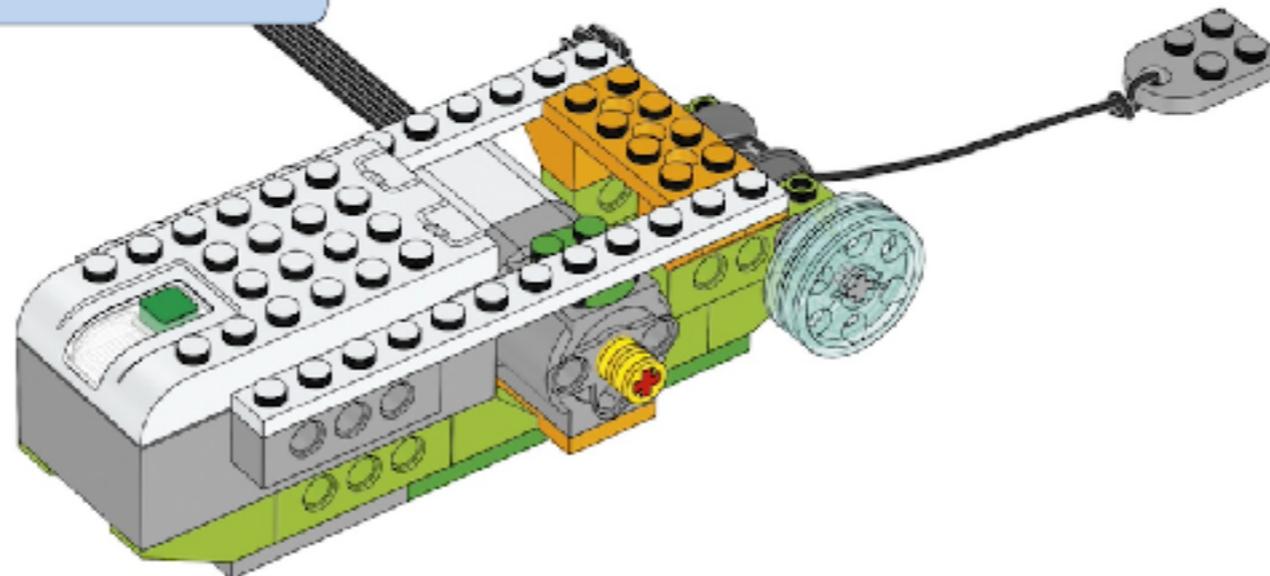
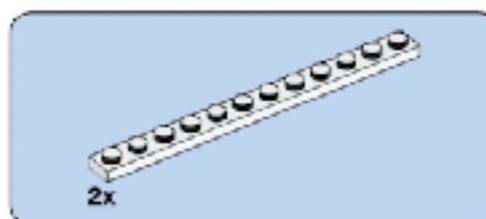
- ◆ 1 plaque percée, 2x4 (orange vif)

21



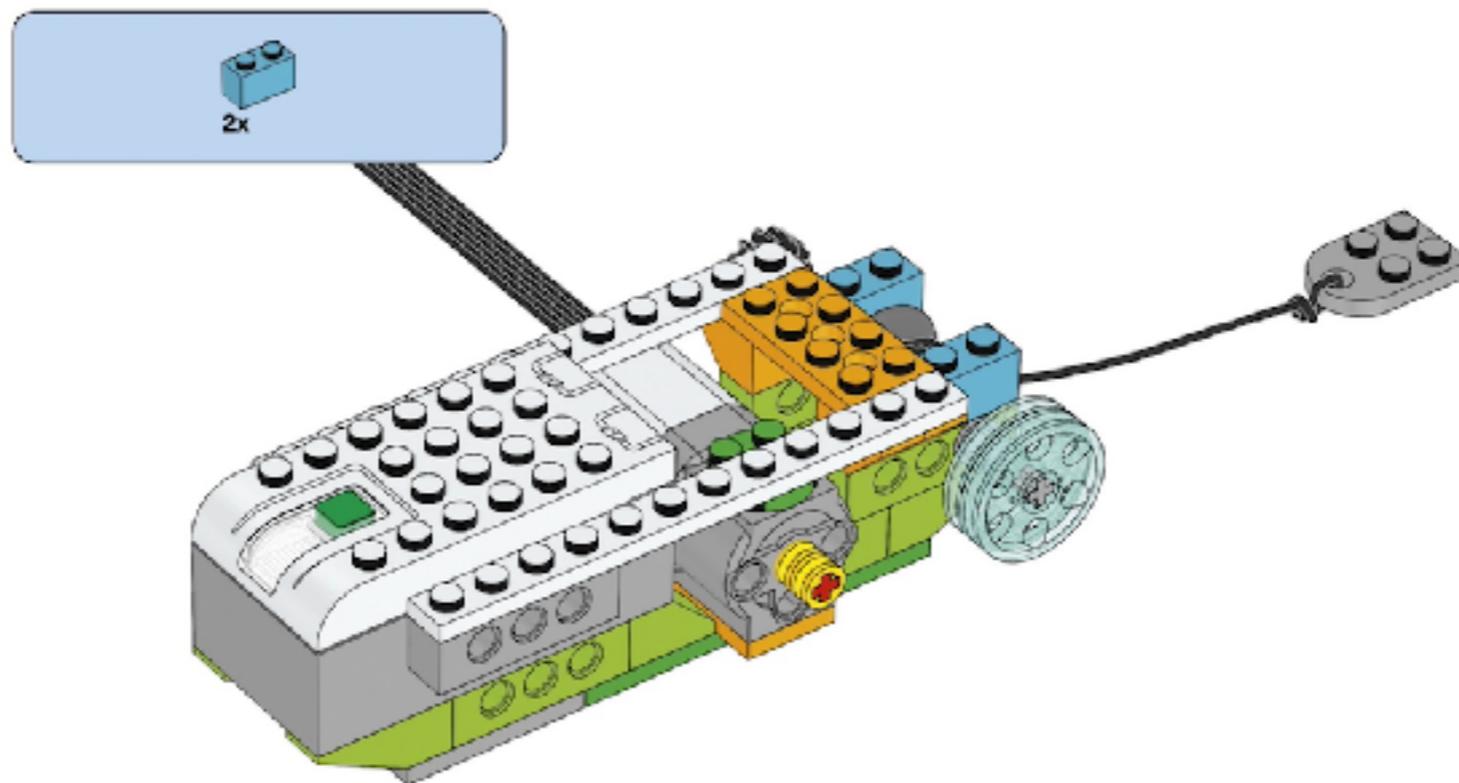
- ◆ 2 plaques, 1x12 (blanc)

22



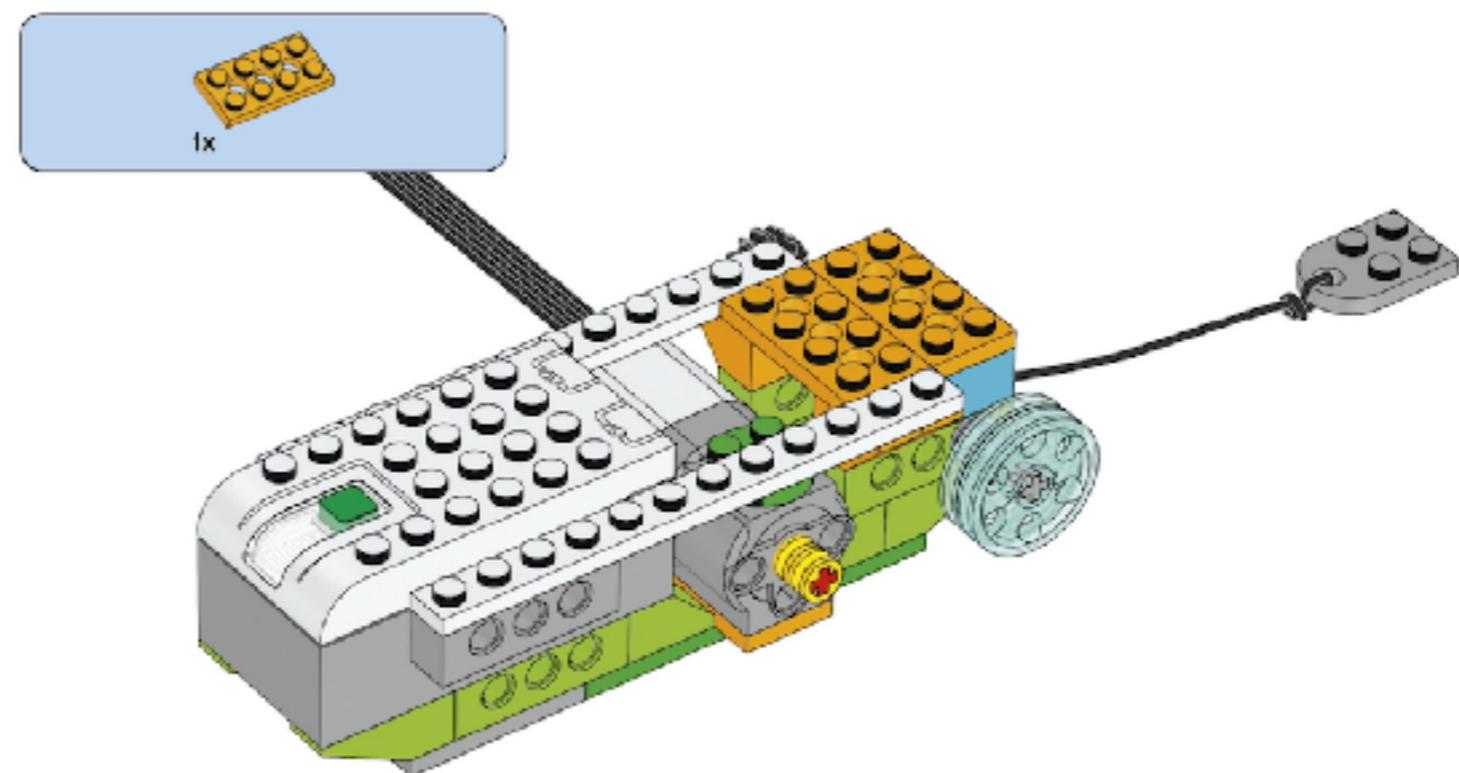
◆ 1 brique, 1x2 (bleu azur)

23



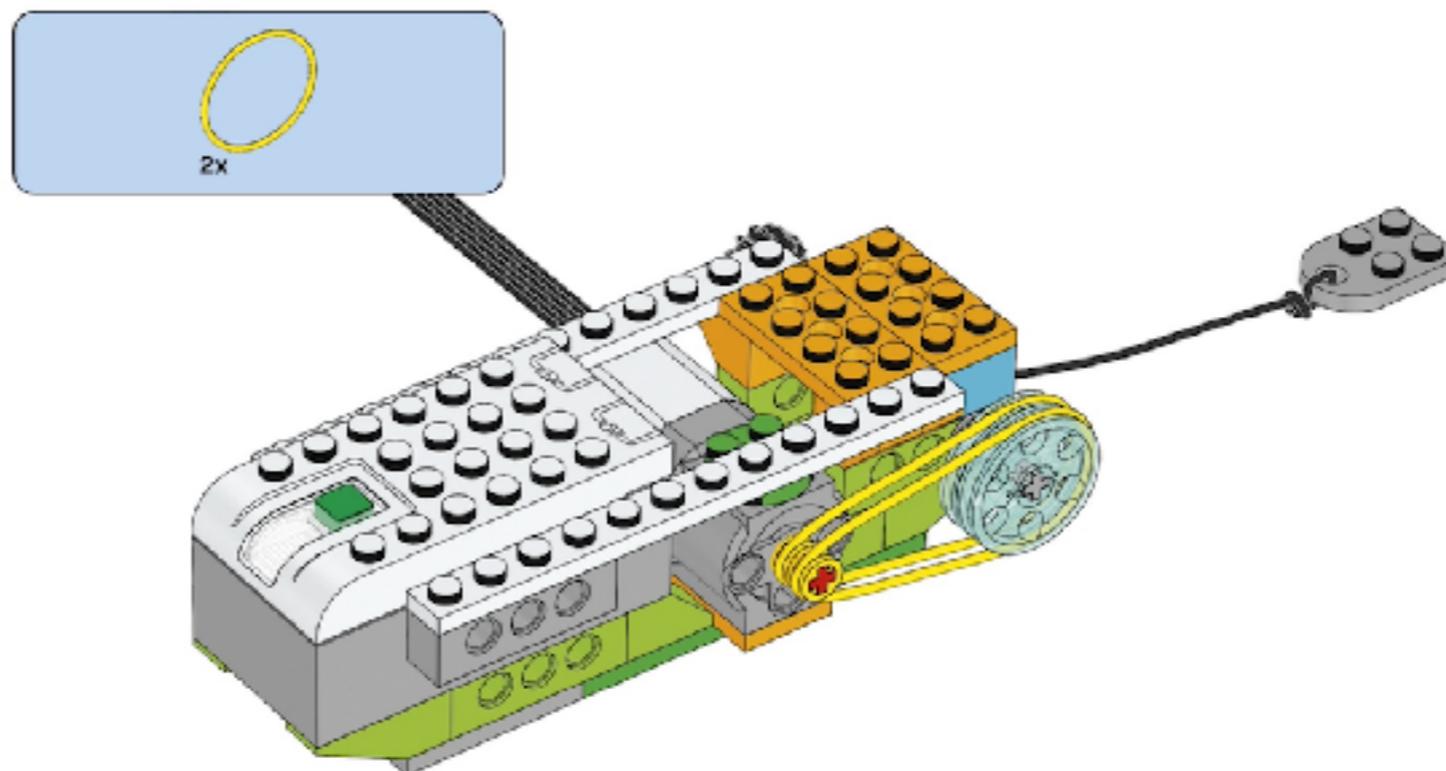
◆ 1 plaque percée, 2x4 (orange vif)

24



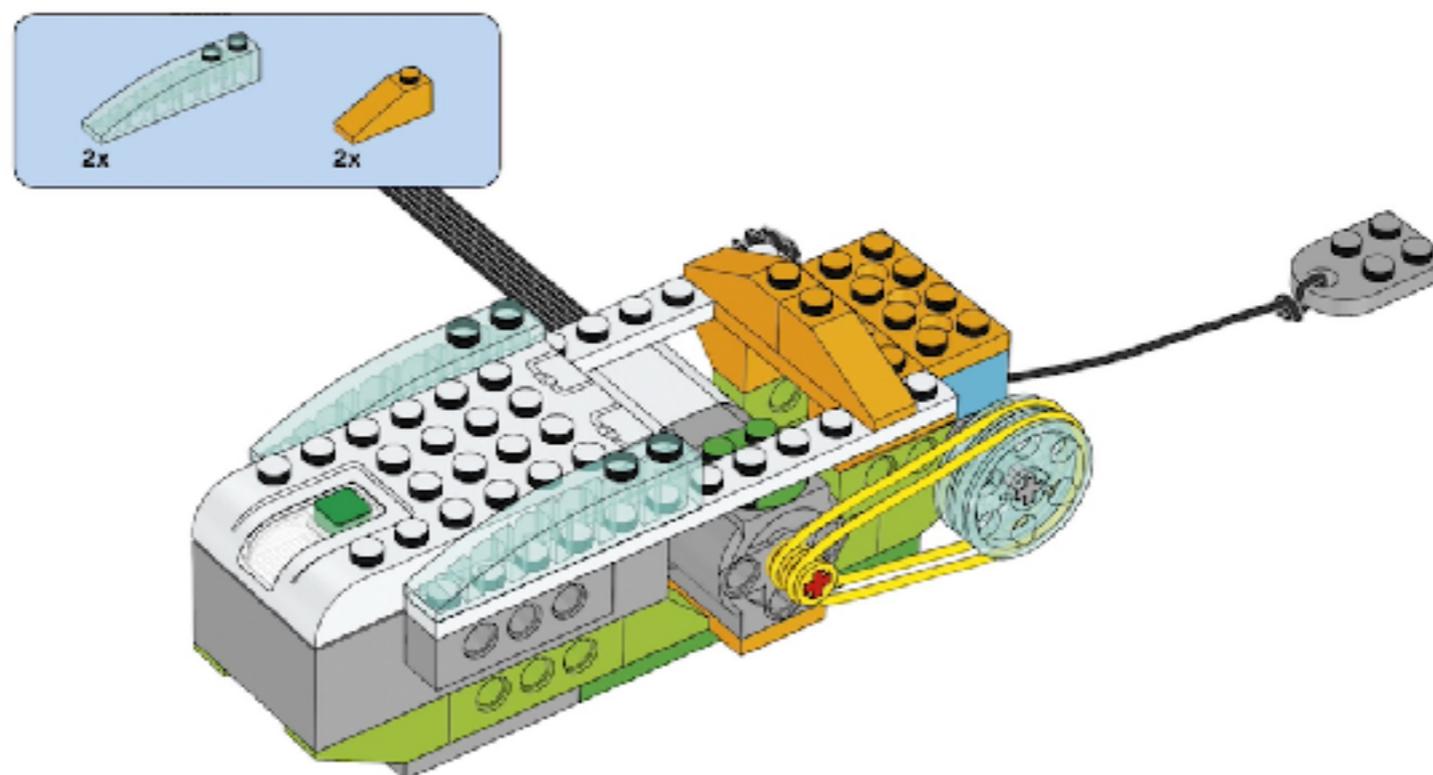
- ◆ 2 courroies, 33 mm (jaunes)

25



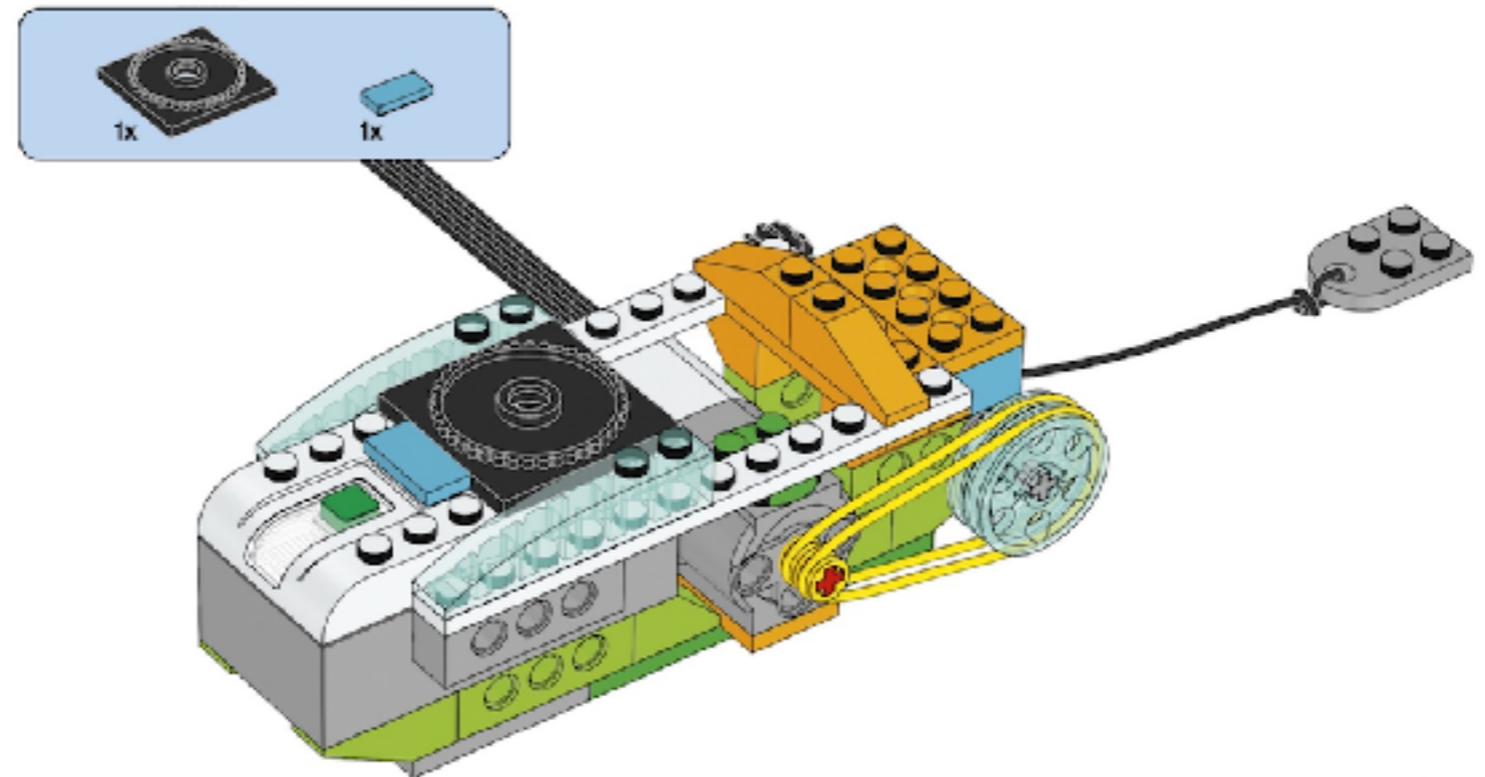
- ◆ 2 briques incurvées, 1x6 (bleu clair transparent)
- ◆ 2 briques inclinées, 1x3/25° (orange vif)

26



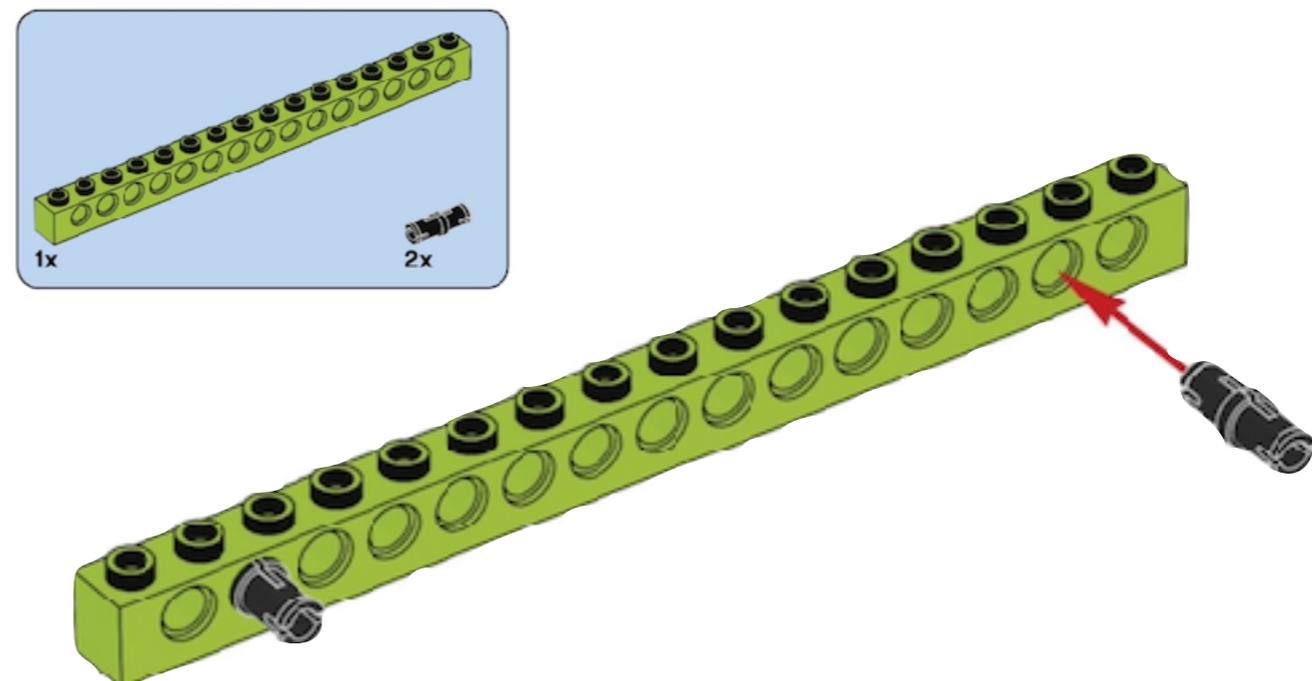
- ◆ 1 fond de plaque tournante, 4x4 (noir)
- ◆ 1 tuile, 1x2 (bleu azur)

27



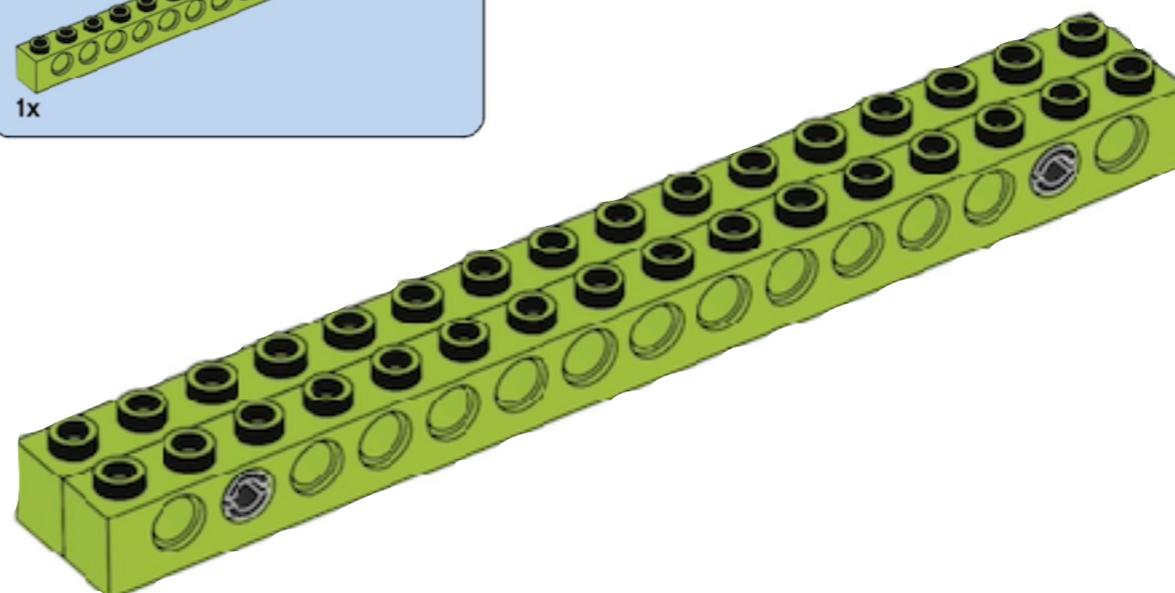
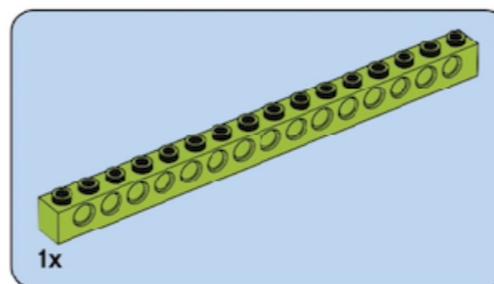
- ◆ 1 poutre perforée, 1x12 (vert citron)
- ◆ 2 chevilles à friction, 2 modules (noir)

28



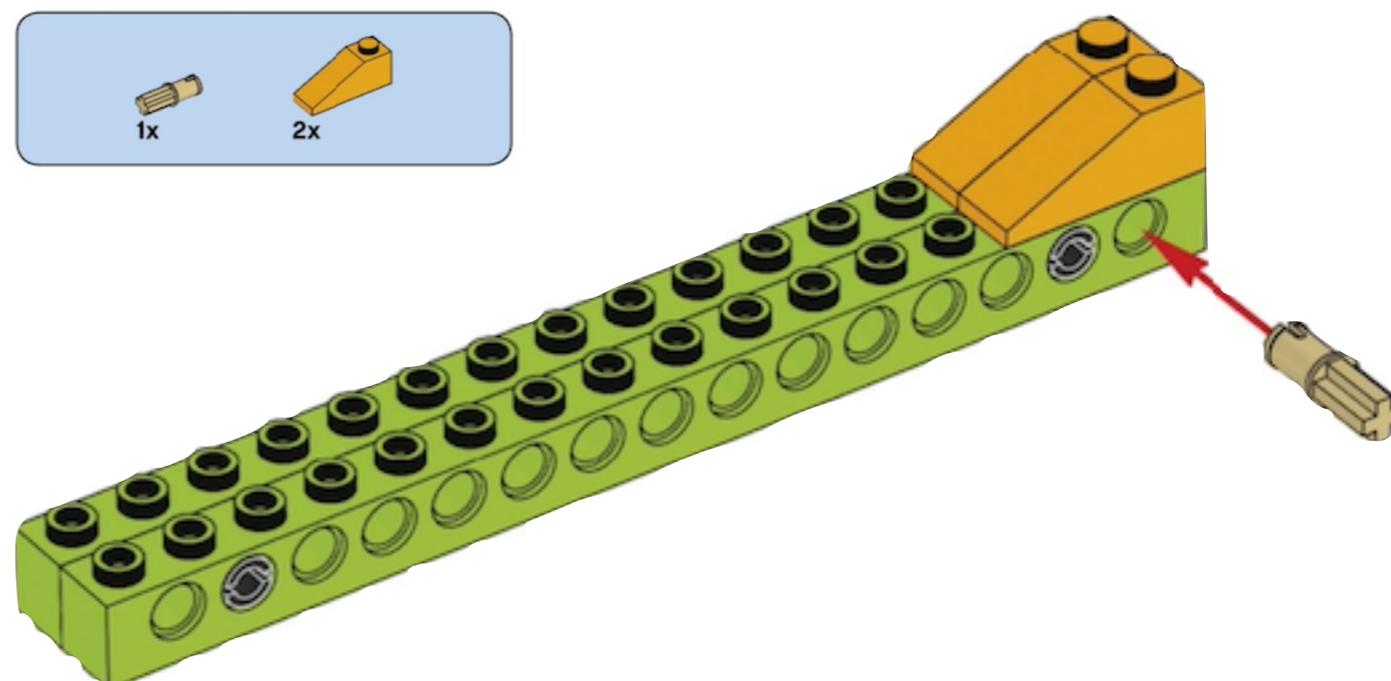
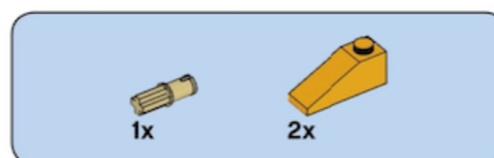
- ◆ 1 poutre perforée, 1x12 (vert citron)

29



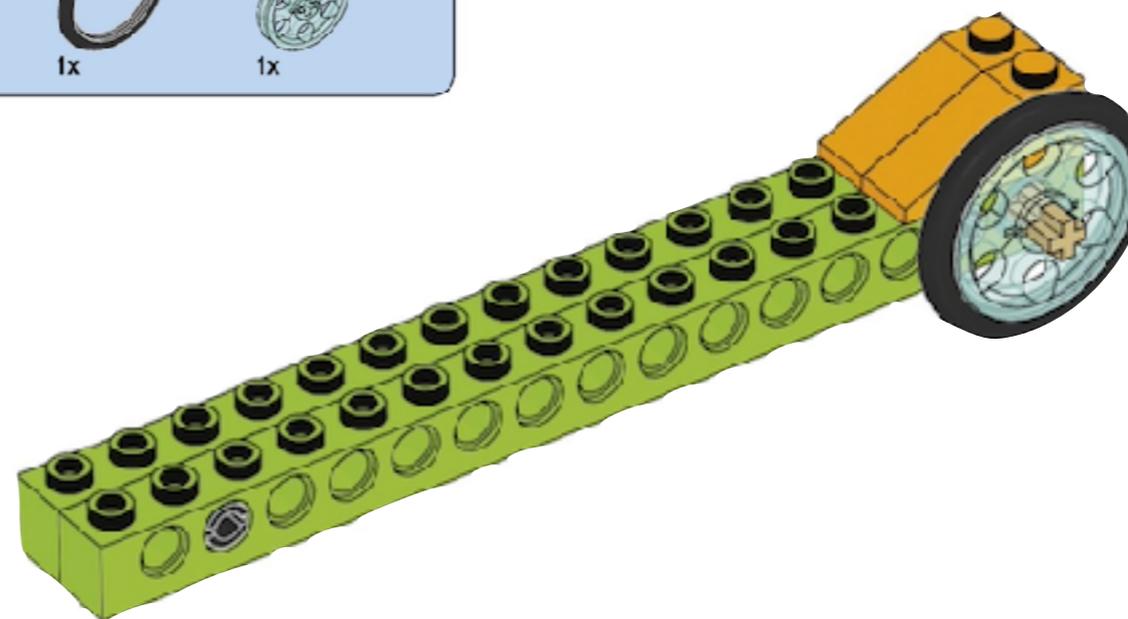
- ◆ 1 cheville sans friction/axe, 1 module/1 module (beige)
- ◆ 2 briques inclinées, 1x3/25° (orange vif)

30

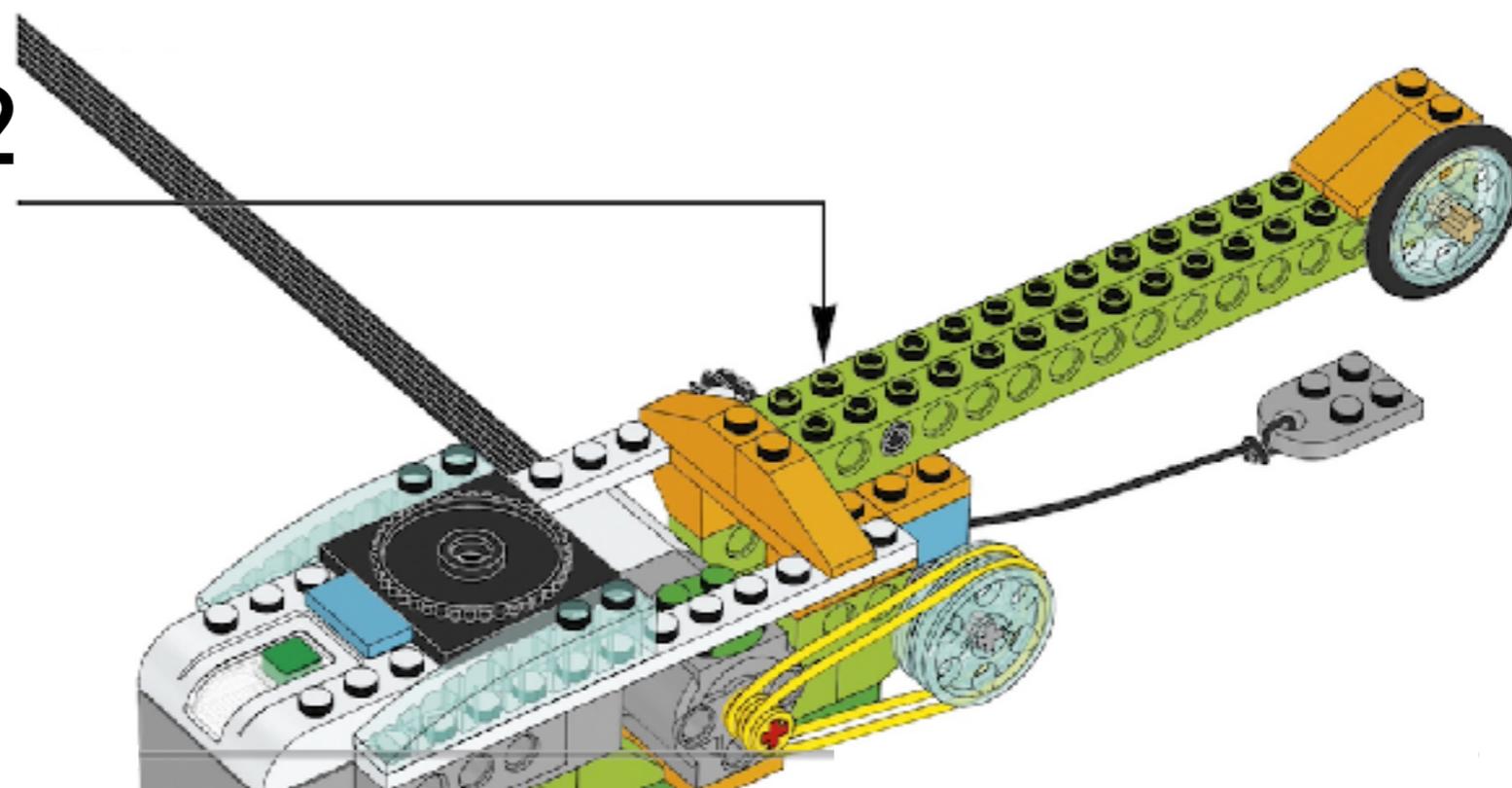


- ◆ 1 pneu, 30, 4x4 mm (noir)
- ◆ 1 moyeu/poulie, 24x4 mm (bleu clair transparent)

31

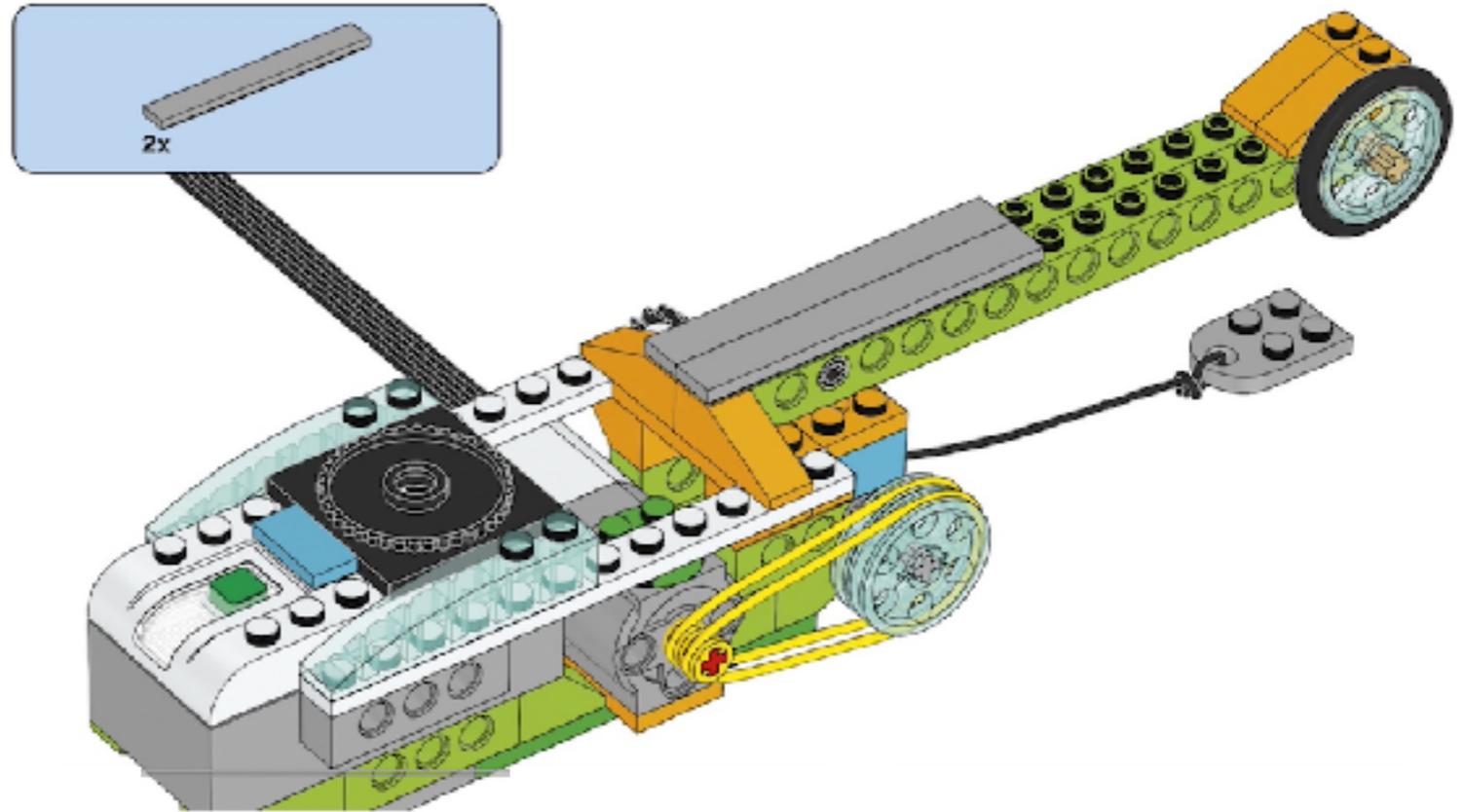


32



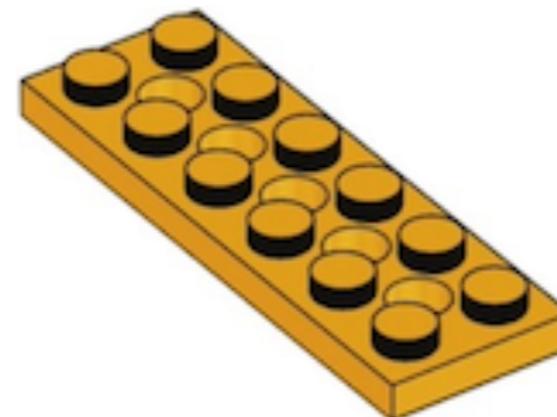
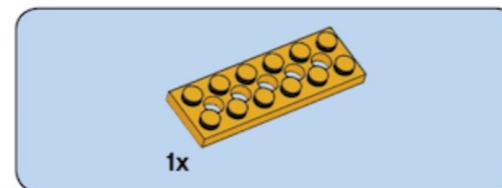
◆ 2 tuiles, 1x8 (gris)

33



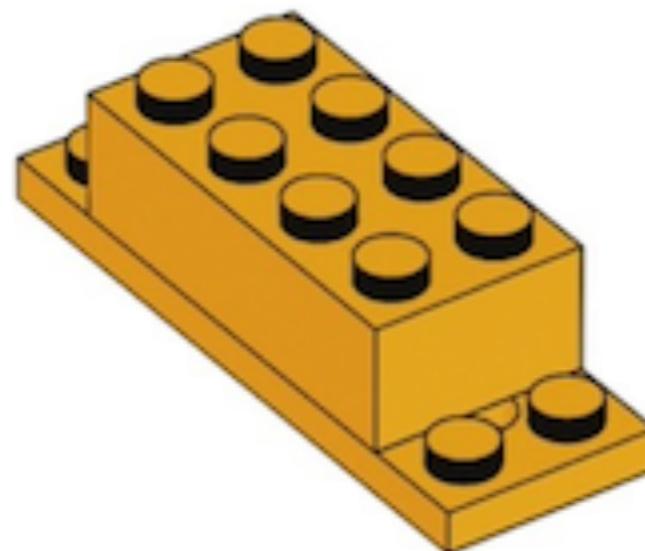
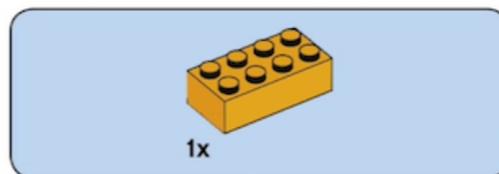
◆ 1 plaque perforée,  
2x6 (orange vif)

34



- ◆ 1 brique, 2x4 (orange vif)

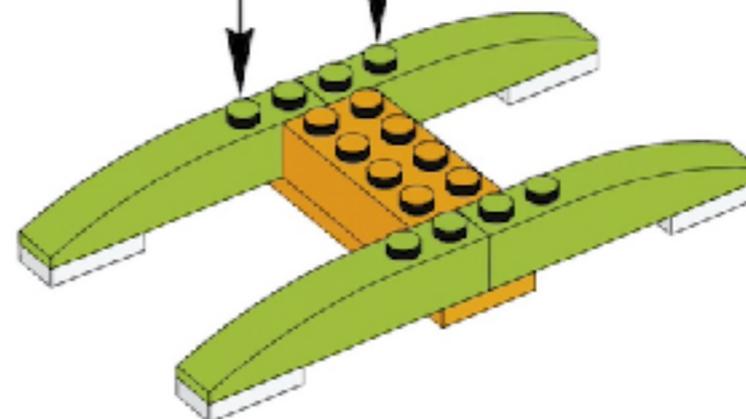
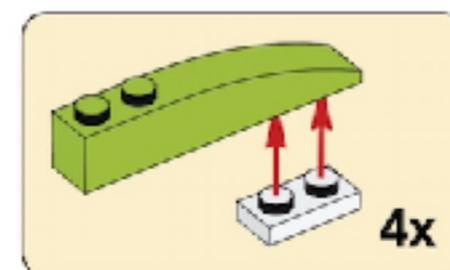
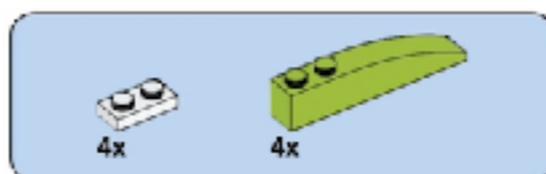
35



- ◆ 4 plaques, 1x2 (blanc)

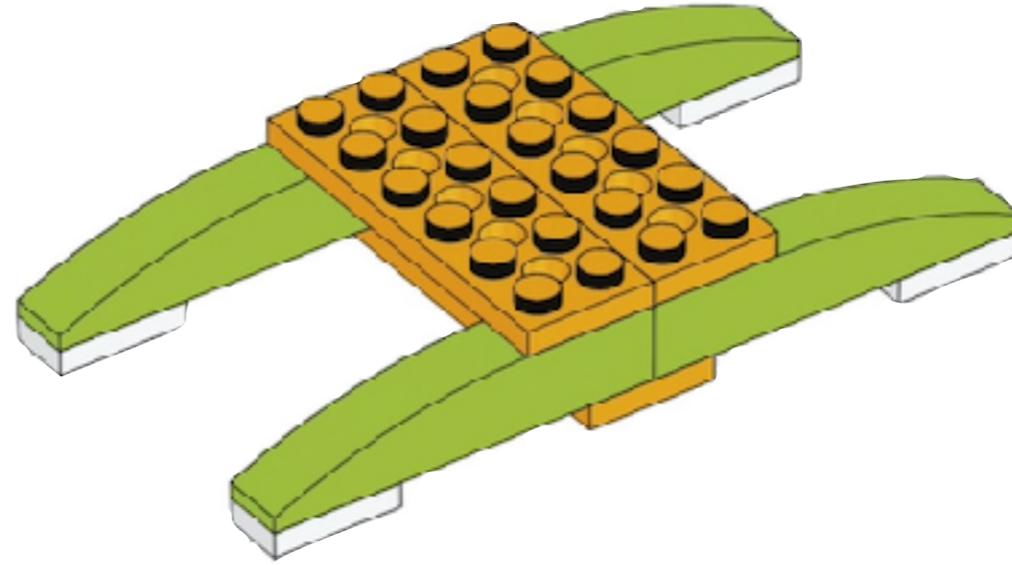
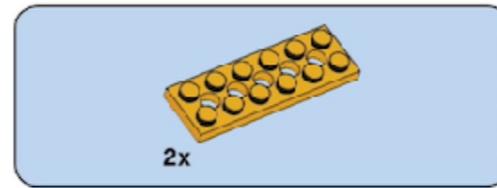
- ◆ 4 briques incurvées, 1x6 (vert citron)

36

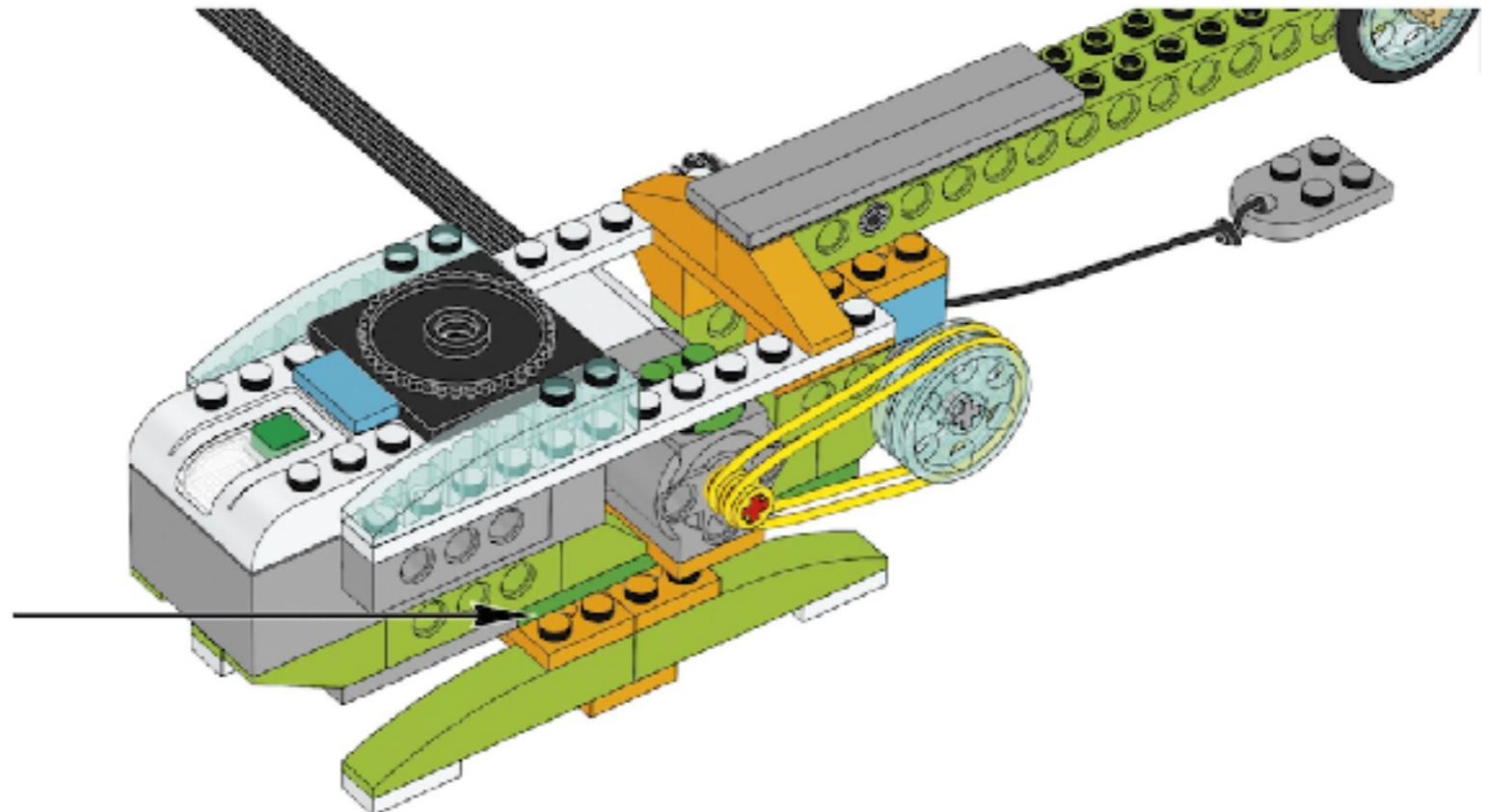


◆ 2 plaques percées, 2x6  
(orange vif)

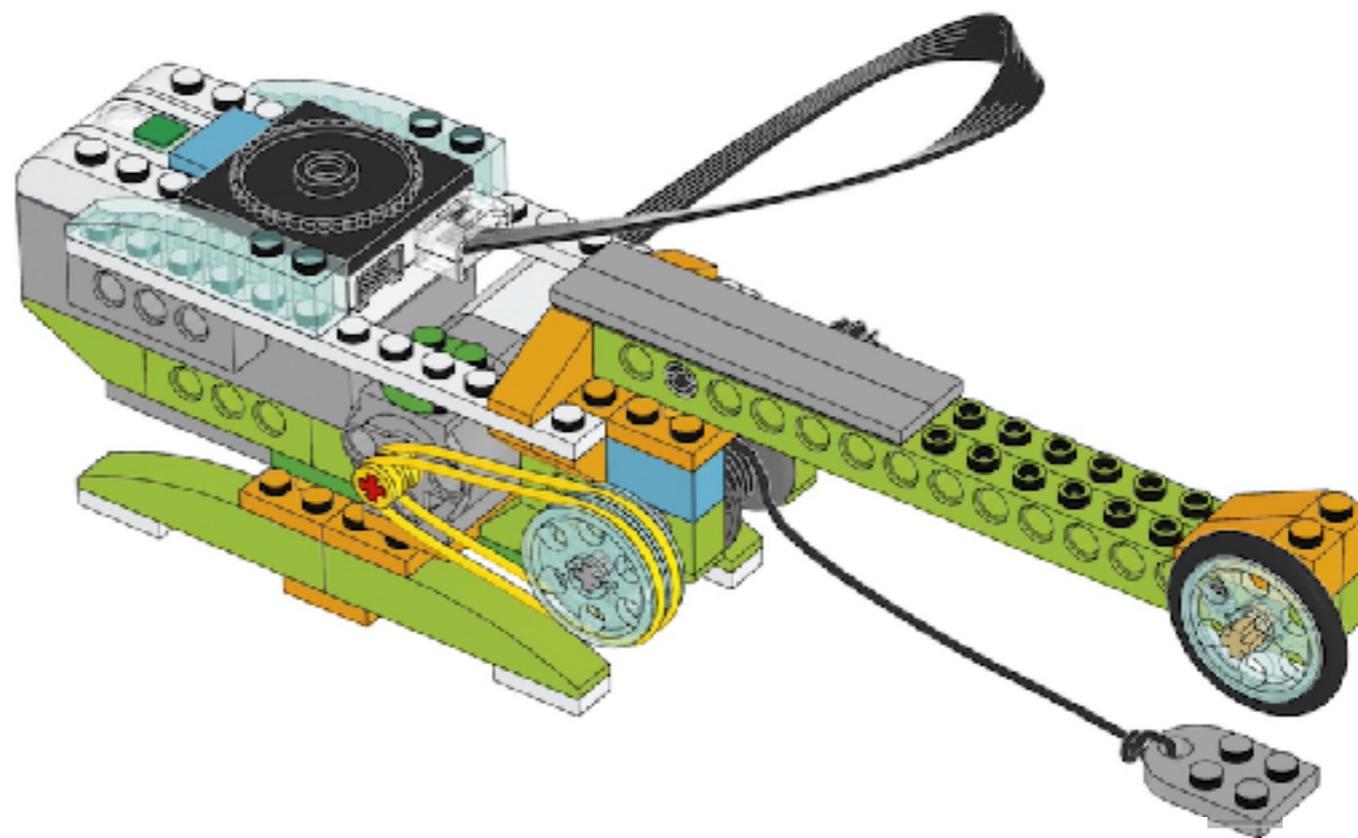
37



38



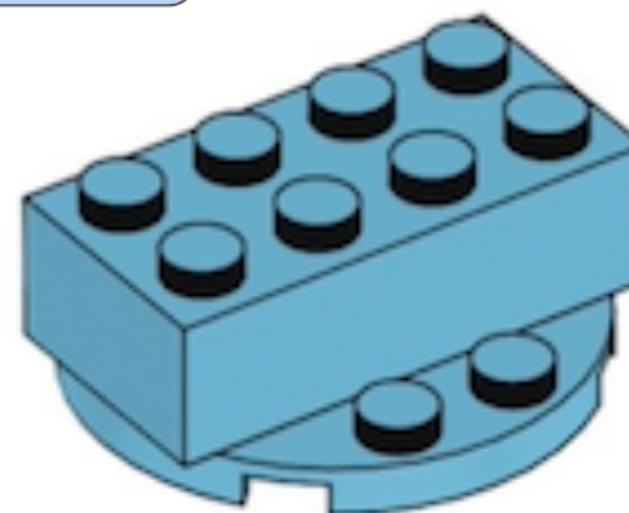
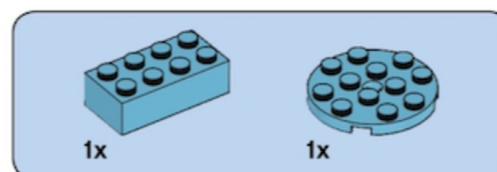
39



◆ 1 brique, 2x4 (bleu azur)

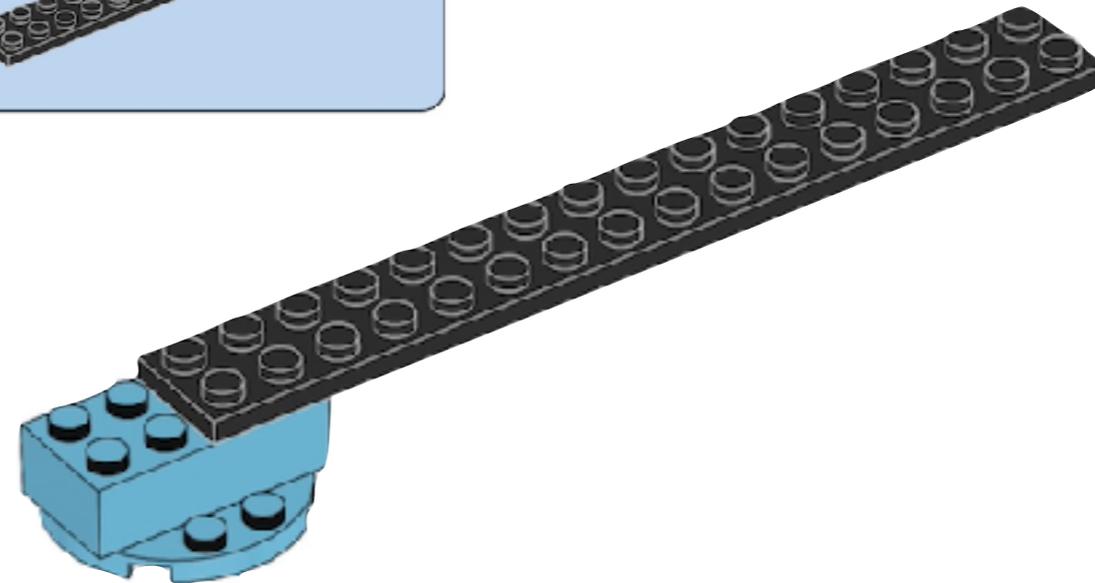
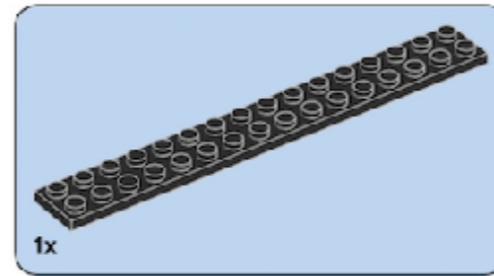
◆ 1 plaque ronde, 4x4 (bleu azur)

40



◆ 1 plaque, 2x16 (noir)

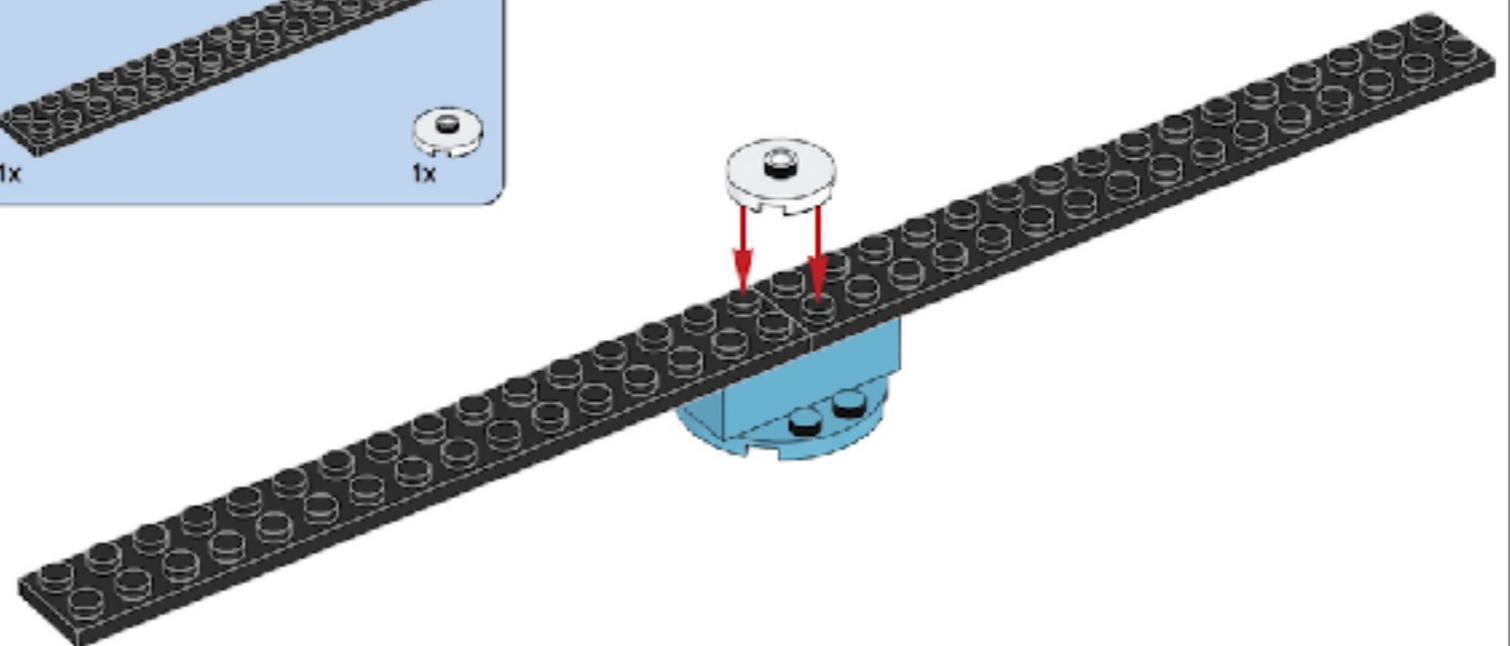
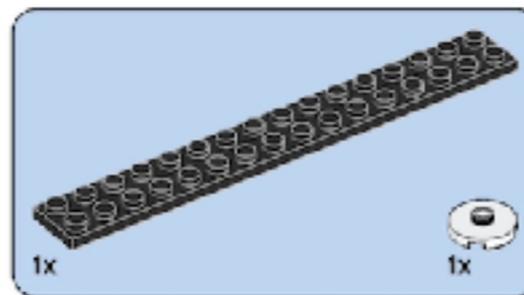
41



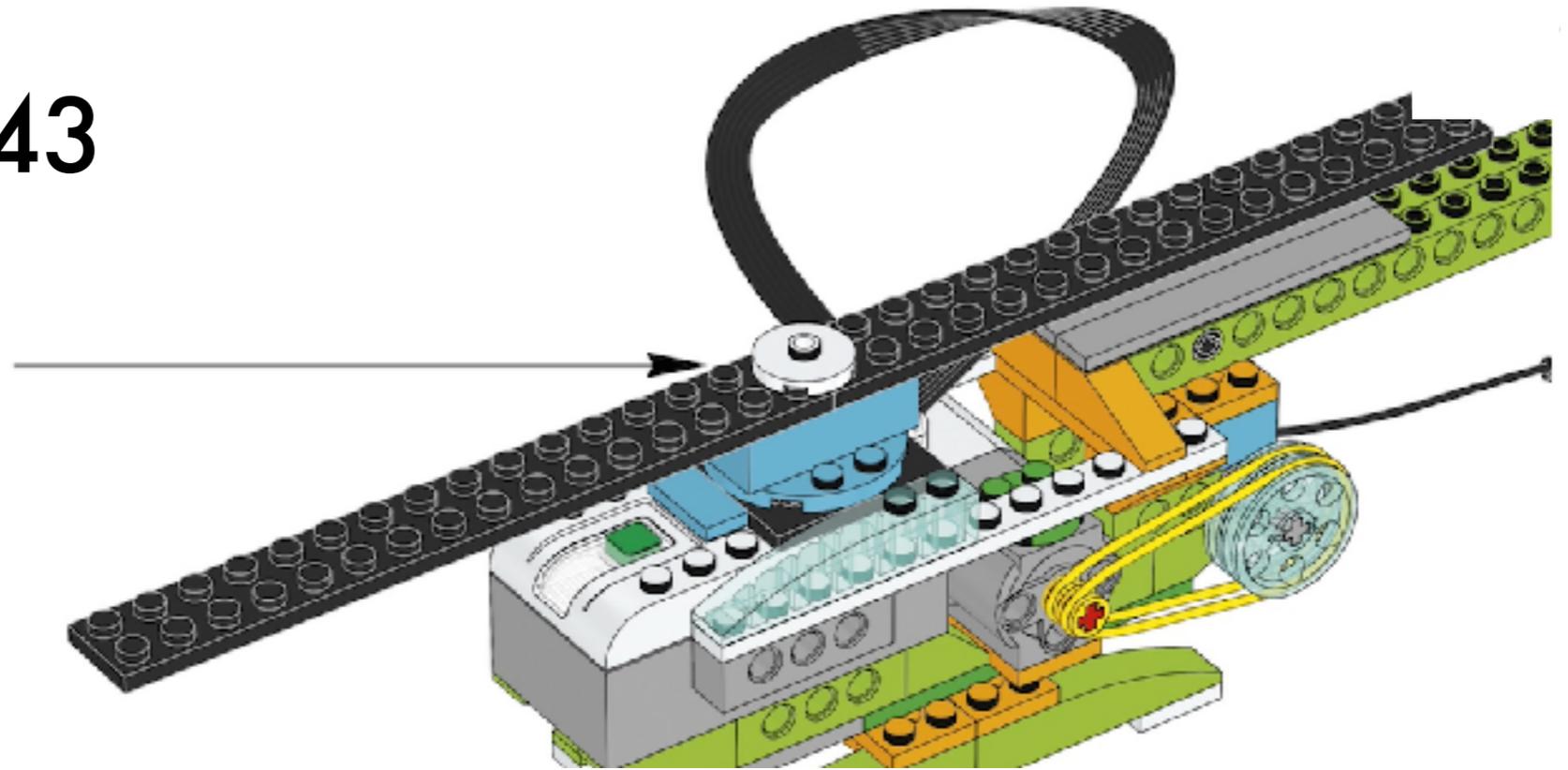
◆ 1 plaque, 2x16 (noir)

◆ 1 plaque ronde avec 1 picot, 2x2 (blanc)

42

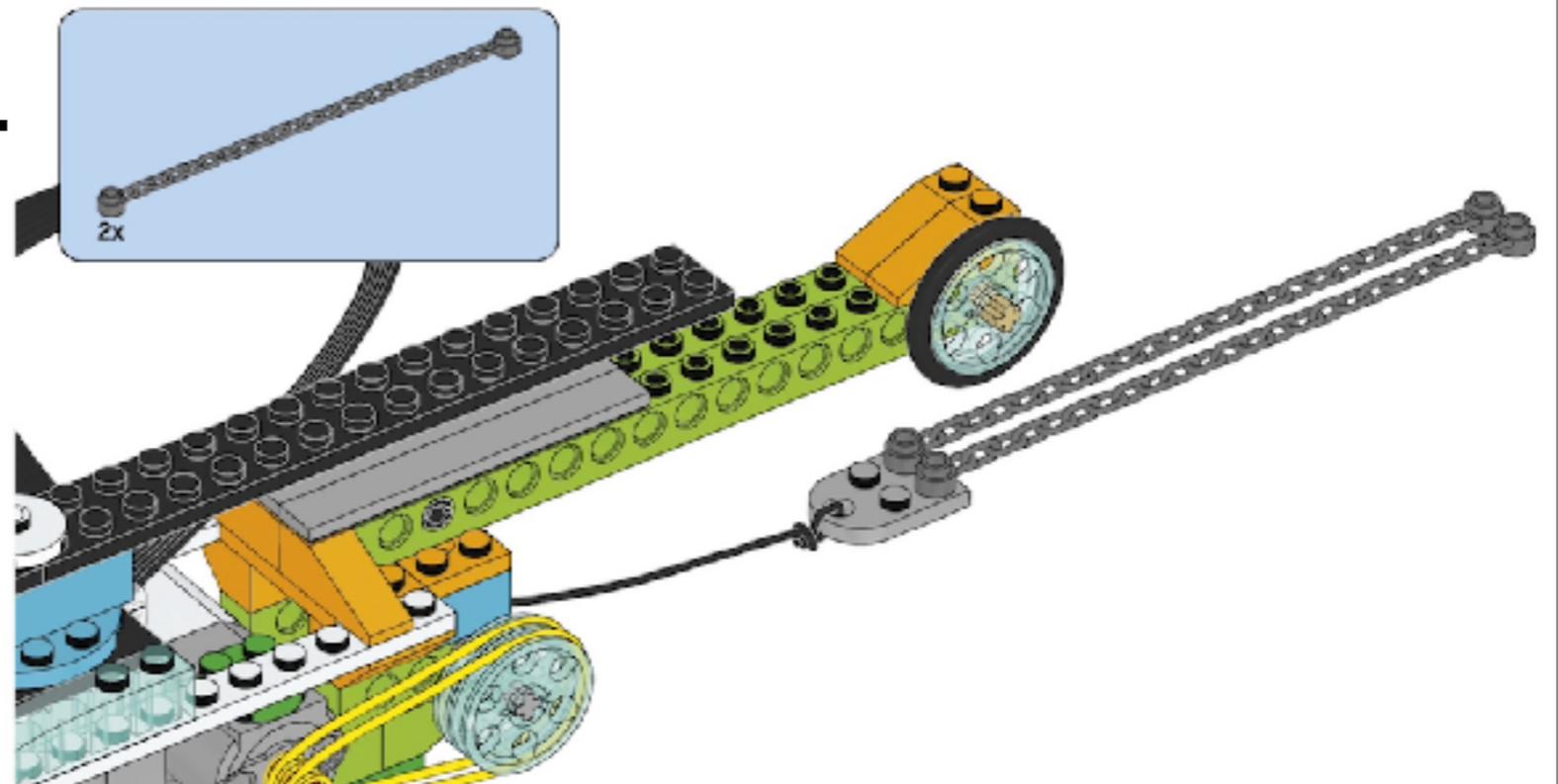


43



◆ 2 chaînes, 16 modules  
(gris foncé)

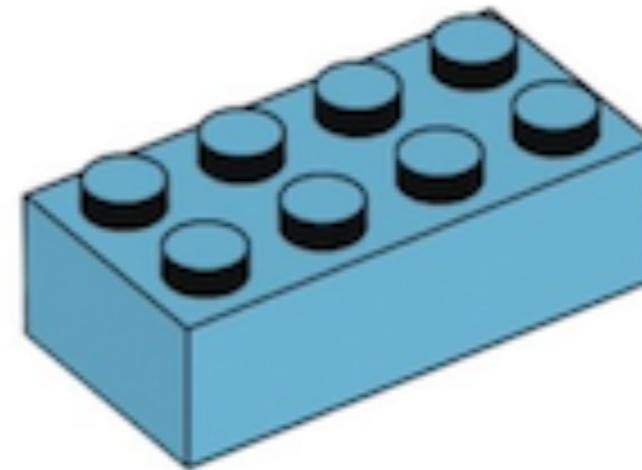
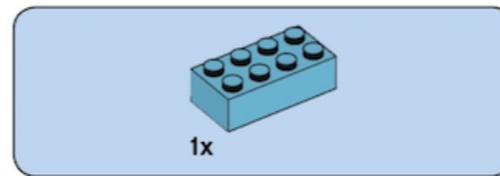
44



**BRAVO!**

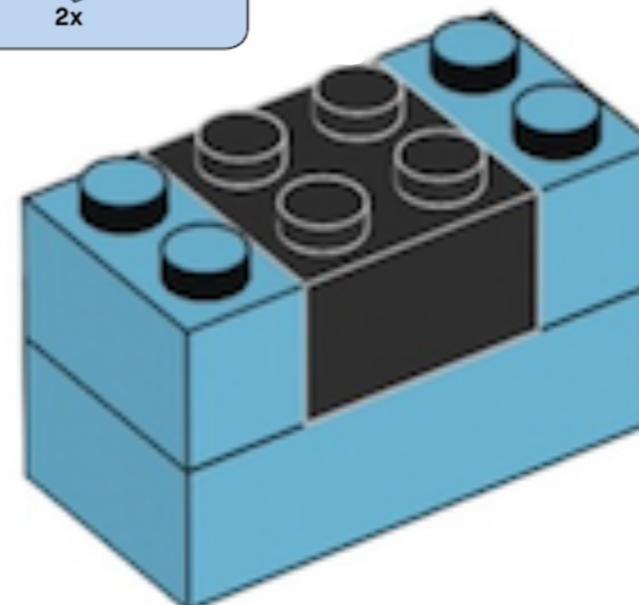
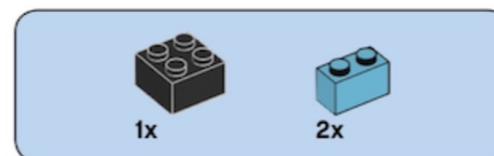
- ◆ 1 brique, 2x4 (bleu azur)

45



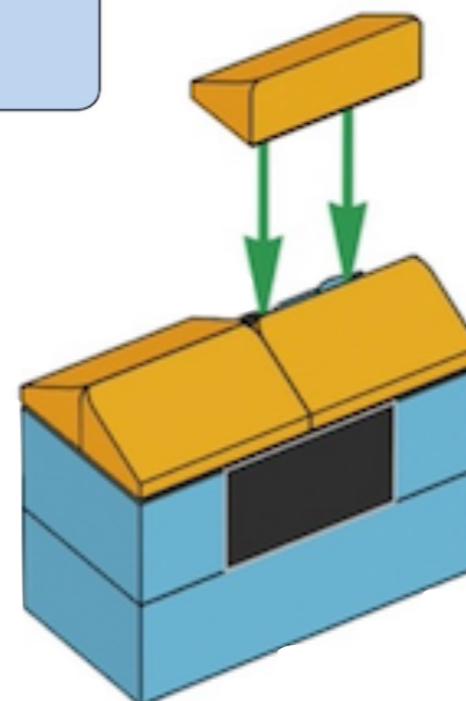
- ◆ 1 brique, 2x2 (noir)
- ◆ 2 briques, 1x2 (bleu azur)

46



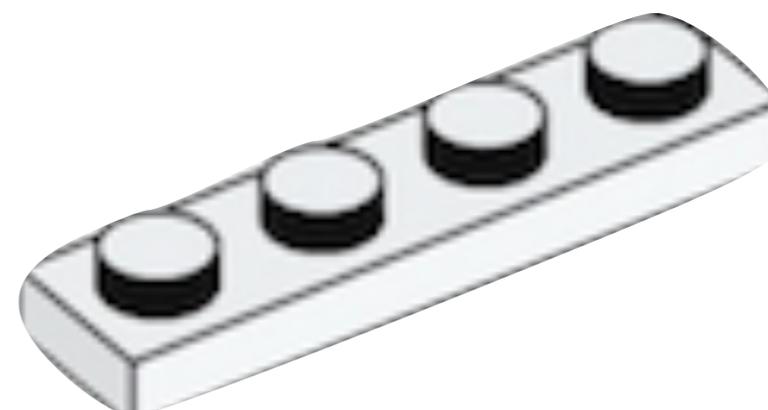
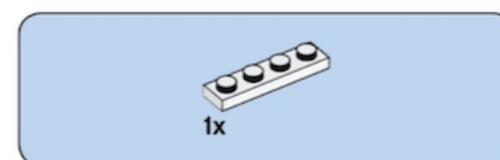
◆ 4 briques inclinées,  
1x2x2/3 (orange vif)

47



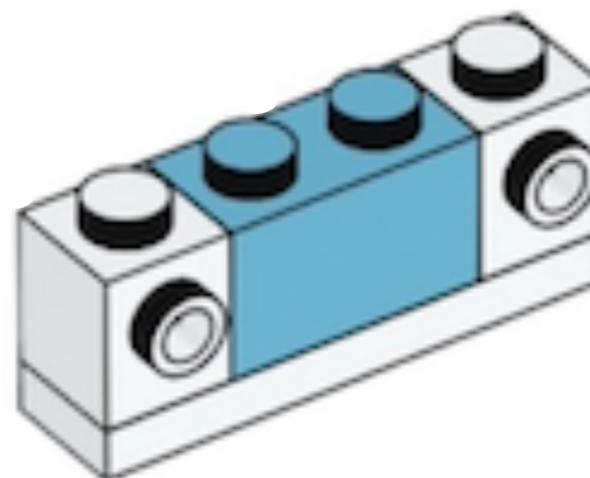
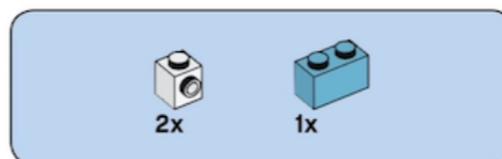
◆ 1 plaque, 1x4 (blanc)

48



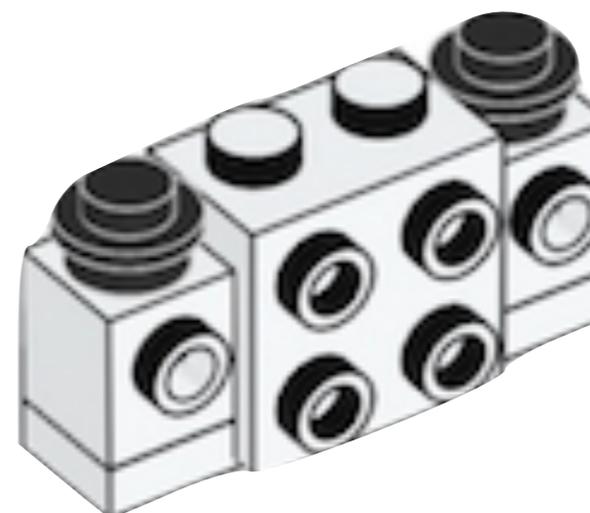
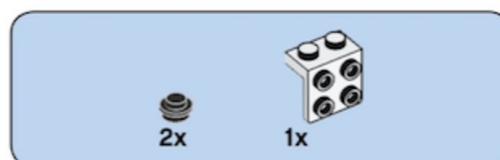
- ◆ 2 briques perforées sur le côté, 1x1 (blanc)
- ◆ 1 brique, 1x2 (bleu azur)

49



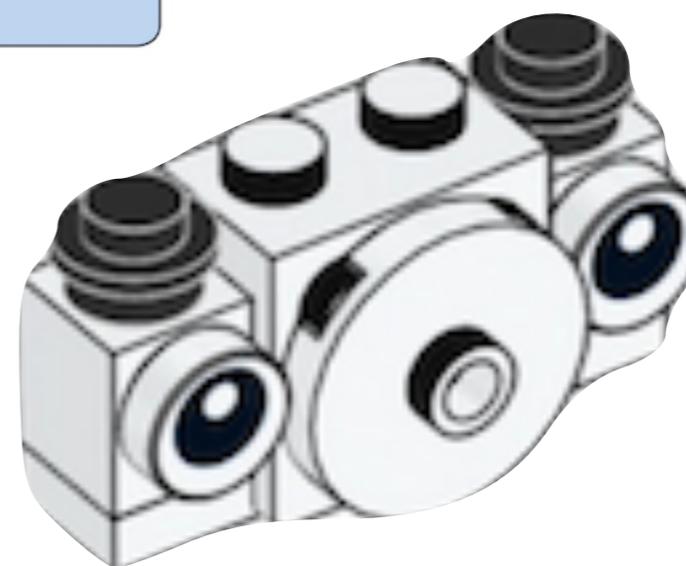
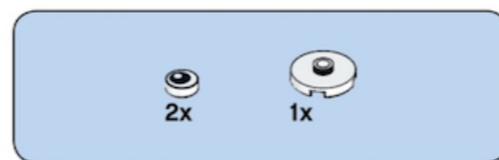
- ◆ 2 plaques rondes, 1x1 (noir)
- ◆ 1 plaque à renvoi d'angle, 1x2/2x2 (blanc)

50



- ◆ 2 tuiles rondes avec oeil, 1x1 (blanc)
- ◆ 1 plaque ronde avec 1 picot, 2x2 (blanc)

51



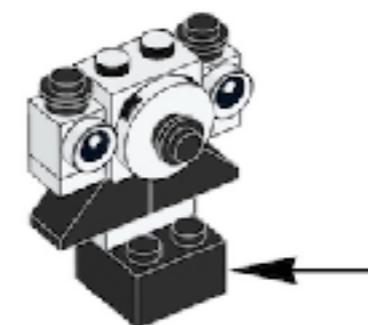
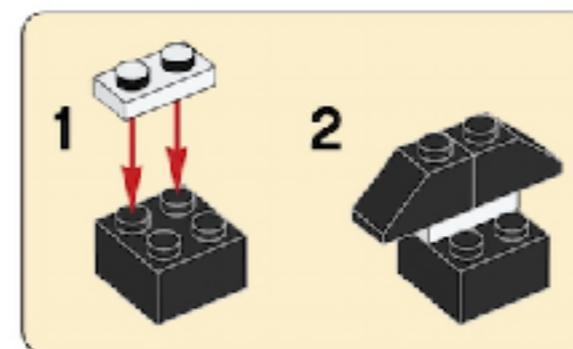
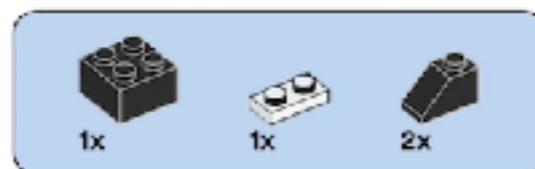
- ◆ 1 plaque ronde, 1x1 (noir)

52



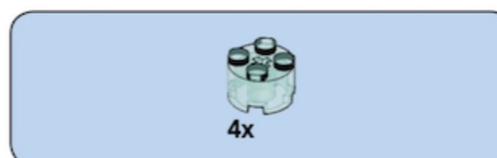
- ◆ 1 brique, 2x2 (noir)
- ◆ 1 plaque, 1x2 (blanc)
- ◆ 2 briques inclinées, 1x2/45° (noir)

53

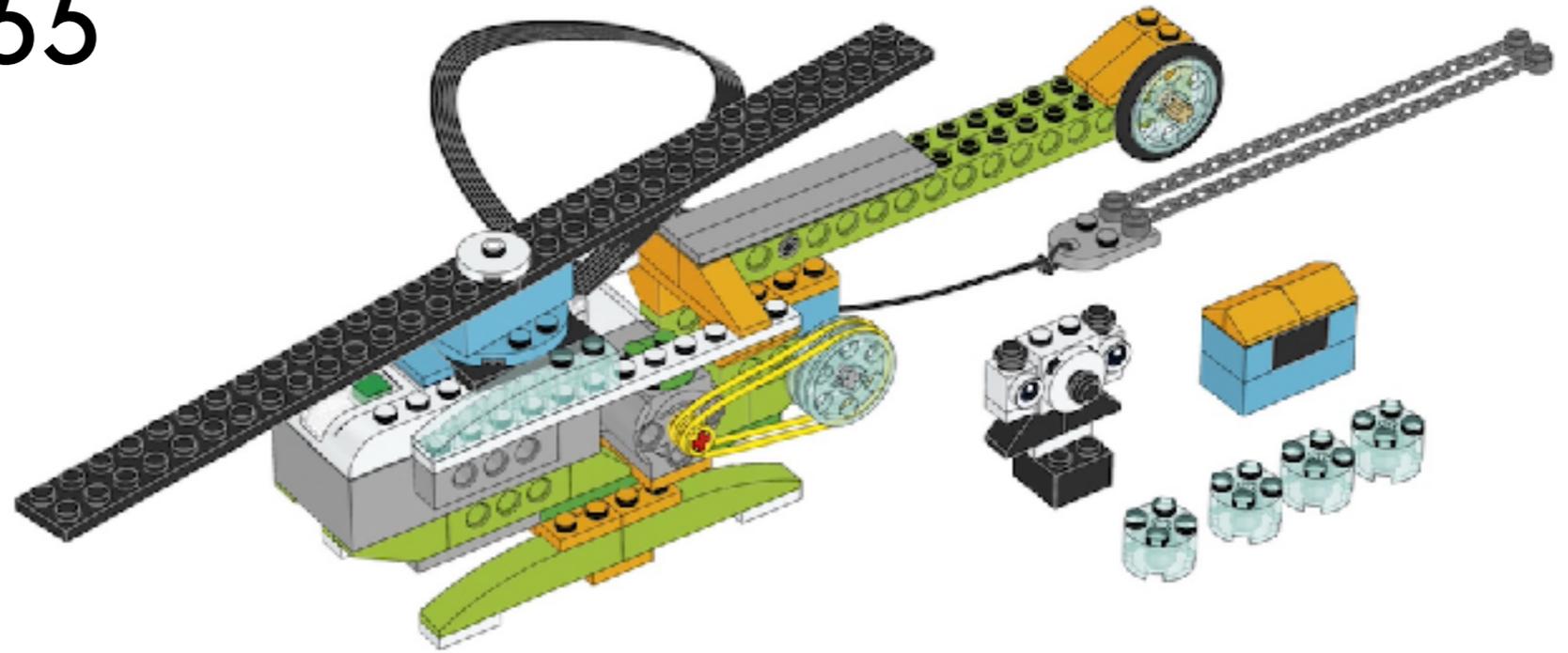


- ◆ 4 briques rondes, 2x2 (bleu clair transparent)

54



55



**BRAVO!**