

# K'NEX Education<sup>®</sup>

## ENERGY, MOTION & AERONAUTICS L'ÉNERGIE, LE MOUVEMENT ET L'AÉRONAUTIQUE



### WARNING:

CHOKING HAZARD - Small parts.  
Not for children under 3 years.



### ATTENTION :

RISQUE D'ÉTOUFFEMENT. Pièces de petite taille.  
Ne convient pas aux enfants de moins de 3 ans.

Balloon and Straw not included.  
Ballon et paille non inclus.  
Ballon und Stroh nicht eingeschlossen.  
Ballon en stro niet inbegrepen.

79621

**10+**  
AGE/ÂGE/  
ALTER/LEEFTIJD

**CONTENTS**

**Rocket Launcher ..... 6**

**Rubber Band  
Powered Dragster ..... 8**

**Balloon Racer ..... 12**

**Parachutes ..... 16**

**Airplane**

**Stage 1 ..... 20**

**Stage 2 ..... 26**

**Stage 3 ..... 28**

**Centrifuge ..... 33**

**Stroboscope ..... 40**

**Thaumatrope ..... 45**

**Phenakistoscope ..... 48**

Keep this important information for future reference.

**⚠ WARNING: CHOKING HAZARD – Small Parts. Not for children under 3 years.**

**CAUTION:** Rubber Bands can cause injury from snap-back, breaking, or loss of control. While assembling models shown in instructions, hold rubber band tightly, and do not overstretch. Use Rubber Bands only as shown in these instructions. **DO NOT USE FRAYED OR TORN RUBBER BANDS.**

**CAUTION:** Keep Rubber Bands away from face and eyes.

Never attempt to launch any projectile other than the intended K'NEX projectile.

Do not aim K'NEX projectile at eyes or face.

**CAUTION:** Do not launch in the direction of people, animals, or walls; You could cause injury or damage.

**CAUTION:** Keep hands, face, hair and clothing away from all moving parts.

**CAUTION:** Use care where you use these models. They could damage furniture or walls, or injure people or pets.

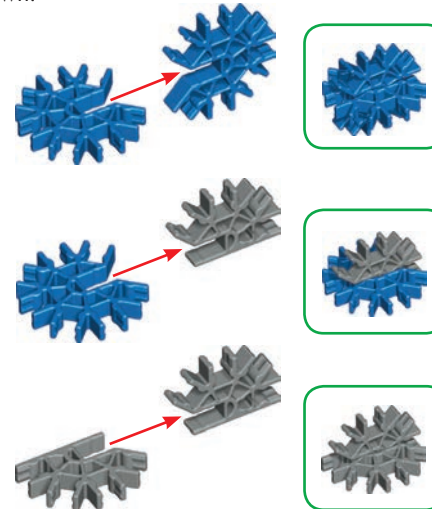
# K'NEX BUILDING BASICS

## Start Building

To begin your model, find the **1** and follow the numbers. Each piece has its own shape and color. Just look at the pictures, find the pieces in your set that match and then connect them together. Try to face your model in the same direction as the instructions while you build. The arrows show you where the parts connect, but not all connection points have arrows. Faded colors show you this section is already built.

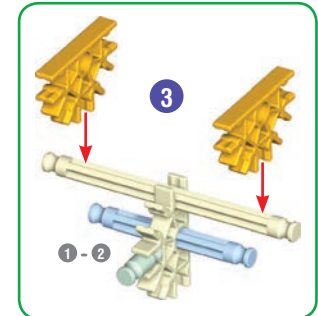
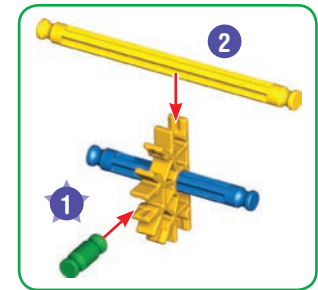
## Connectors

You can slide these special connectors together. Push tightly until you hear a "click". Pay close attention to the instructions and position them horizontally or vertically exactly as they are shown.

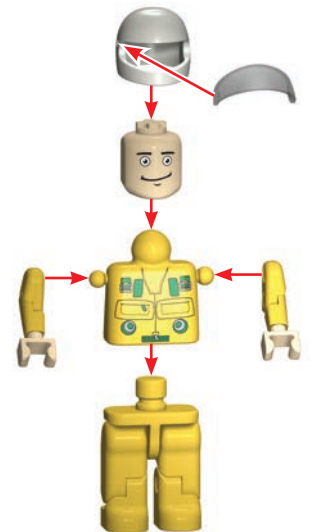


## Spacers

There are places in your model where you need to add blue and silver spacers. Be sure to use the right color and count them carefully.



## Figure Assembly



## CONTENUS

<b>Lance-roquettes .....</b>	<b>6</b>
<b>Voiture à moteur gonflé actionnée d'une bande élastique.....</b>	<b>8</b>
<b>Coureur de Ballon .....</b>	<b>12</b>
<b>Parachutes .....</b>	<b>16</b>
<b>Avion</b>	
<b>Étape 1 .....</b>	<b>20</b>
<b>Étape 2.....</b>	<b>26</b>
<b>Étape 3.....</b>	<b>28</b>
<b>Centrifugeuse .....</b>	<b>33</b>
<b>Stroboscope .....</b>	<b>40</b>
<b>Thaumatrope .....</b>	<b>45</b>
<b>Phenakistoscope .....</b>	<b>48</b>

Garde précieusement cette notice pour t'y référer ultérieurement.

**⚠ ATTENTION : RISQUE D'ÉTOUFFEMENT** – Pièces de petite taille. Ne convient pas aux enfants de moins de 3 ans.

**ATTENTION** : Les élastiques peuvent causer des blessures en claquant, en se brisant ou quand on les manipule imprudemment. Tenez fermement les élastiques lors de l'assemblage du modèle en veillant à ne pas trop les tendre. Utilisez les élastiques que selon les instructions comme indique. **N'UTILISEZ PAS D'ÉLASTIQUES DISTENDUS OU ABIMÉS.**

**ATTENTION** : Tenez les élastiques à l'écart du visage et des yeux.

Ne jamais tenter de lancer un projectile quelconque autre que le projectile K'NEX prévu.

Ne pas viser projectile K'NEX aux yeux ou le visage.

**ATTENTION** : Ne pas lancer en direction des personnes, des animaux ni des murs. Risque de blessure ou d'endommagement.

**ATTENTION** : Garde les cheveux, les doigts, le visage et les vêtements à l'écart de toutes les pièces mobiles.

**ATTENTION** : Utilisez des soins là où vous utilisez ce modèles. Modèles pourrait endommager les meubles ou les murs, ou blesser des personnes ou des animaux domestiques.

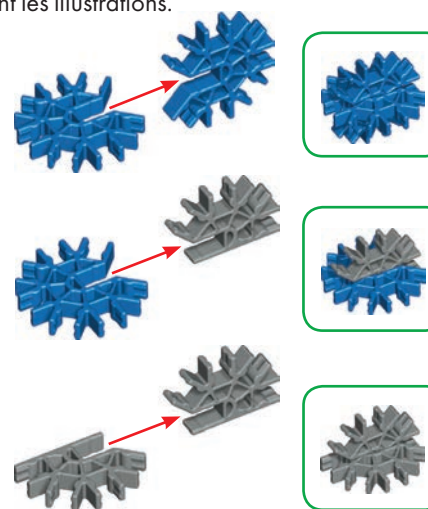
# NOTIONS DE BASE K'NEX POUR LE MONTAGE

## Démarre ta construction

Pour commencer ton modèle, trouve l'étape numéro 1 et suis les numéros. Chaque pièce a sa propre forme et sa propre couleur. Regarde les illustrations, trouve les pièces qui correspondent à ce que tu vois et assemble-les. Pour t'aider pendant que tu construis, oriente ton modèle dans le même sens que les instructions. Les flèches t'indiquent où les pièces s'assemblent, mais les points de raccordement n'ont pas tous des flèches. Les pièces de couleur délavée sont celles que tu as déjà assemblées.

## Connecteurs

Tu peux assembler ces connecteurs tout à fait uniques en les faisant glisser l'un avec l'autre. Pousse fort jusqu'à ce que tu entendes un « clic ». Lis les instructions attentivement et positionne les horizontalement ou verticalement, en suivant exactement les illustrations.



## Espaceurs

Il y a des endroits sur ton modèle où tu auras besoin de te servir d'espaceurs. Assure-toi d'utiliser la bonne couleur et le nombre d'espaceurs indiqué sur les instructions.

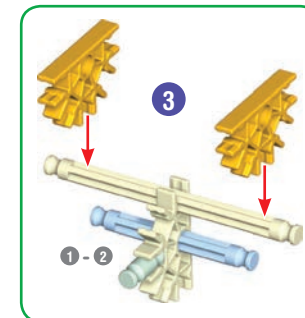
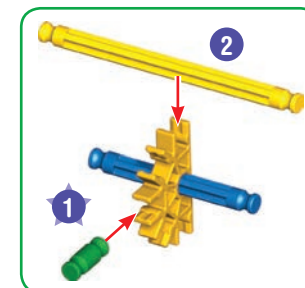
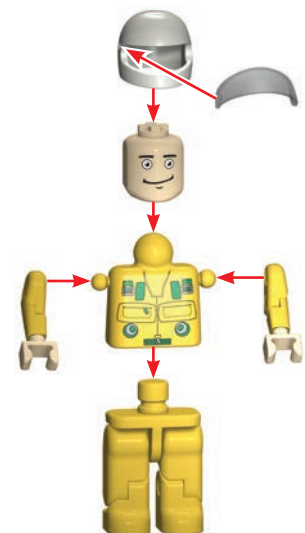


Figure  
l'assemblée



INHALT

**Raketenwerfer ..... 6**  
**Gummiband angeschaltetes Dragster ..... 8**  
**Ballon-Rennläufer ..... 12**  
**Fallschirme ..... 16**  
**Flugzeug**  
    **Stadium 1 ..... 20**  
    **Stadium 2 ..... 26**  
    **Stadium 3 ..... 28**  
**Zentrifuge ..... 33**  
**Stroboskop ..... 40**  
**Thaumatrope ..... 45**  
**Phenakistoscope ..... 48**

Informationen für später aufbewahren.

**⚠ ACHTUNG:** ERSTICKUNGSGEFAHR – Kleinteile. Nicht geeignet für Kinder unter 3 Jahren.

**VORSICHT:** Gummibänder können Verletzungen hervorrufen, wenn sie reißen, zurückspringen oder wenn sie nicht vorsichtig gehandhabt werden. Halten Sie die Gummibänder während des Zusammenbaus der Modelle fest, ohne sie jedoch zu überdehnen. Verwenden Sie die Gummibänder gemäß den Anweisungen. **VERWENDEN SIE NIEMALS AUSGEFRANSTE ODER ZERRISSENE GUMMIBÄNDER.**

**VORSICHT:** Halten Sie Gummibänder weg von Gesicht und Augen.

Versuchen sie niemals einen anderen Gegenstand als das vorgesehene K'NEX Geschoss abzuschossen.

Mit dem K'NEX Geschoss nicht auf die Augen oder das Gesicht zielen.

**VORSICHT:** Nicht auf Menschen, Tiere oder Wände werfen; könnte Verletzungen oder Schäden verursachen.

**VORSICHT:** Haare, Finger, Gesicht und Kleidungsstücke nicht mit beweglichen Teilen in Berührung kommen lassen.

**VORSICHT:** Seien Sie vorsichtig, wo Sie diese Modelle zu verwenden. Die Modelle könnten Möbel und Wände beschädigen oder Personen und Haustiere verletzen.

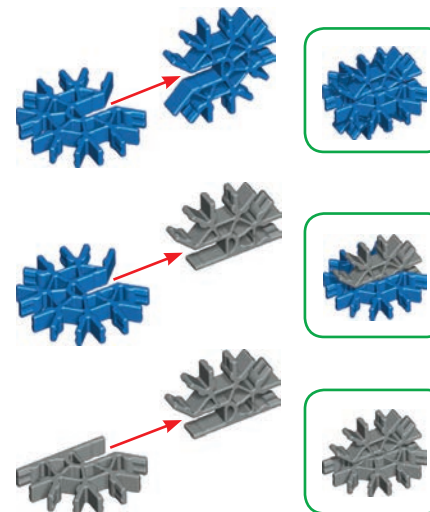
# Grundlegende Bauanleitungen für K'NEX

## Los geht's mit dem Bauen

Um mit dem Bauen deines Modells zu beginnen, suche die Nummer **1** und folge den laufenden Nummern. Jedes Teil hat seine eigene Form und Farbe. Schau dir einfach die Abbildungen an, such die Teile in deinem Bausatz, die so aussehen wie das, was du auf der Abbildung siehst und steck sie ineinander. Versuche, dein Modell beim Zusammenbauen so zu orientieren, dass es in die gleiche Richtung weist, wie es in den Anleitungen beschrieben und gezeigt wird. Blasser Farben weisen darauf hin, dass dieser Streckenabschnitt bereits zusammengebaut ist.

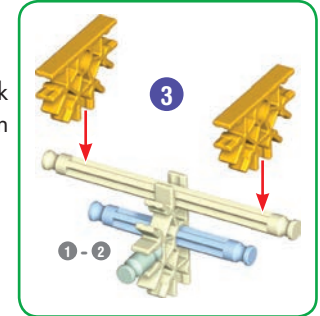
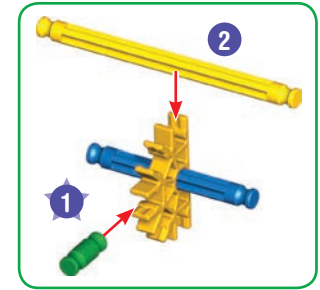
## Verbindungsstücke

Diese besonderen Verbindungsstücke kannst du zusammenschieben. Drücke sie fest, bis du ein Klicken hörst. Achte genau auf die Anleitung und positioniere die Verbindungsstücke genau wie in der Abbildung.

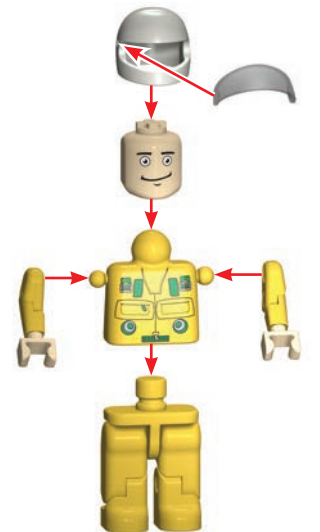


## Abstandsstücke

An manchen Stellen in deinem Modell musst du Abstandsstücke einbauen. Achte darauf, die richtige Farbe und Anzahl von Abstandsstücken wie in der Anleitung gezeigt zu verwenden



## Rechnen sie versammlung



INHOUD

**Raketwerper** ..... 6

**Elastiek aangedreven dragster** ..... 8

**Ballon Racer** ..... 12

**Parachutes** ..... 16

**Vliegtuig**

**Fase 1** ..... 20

**Fase 2** ..... 26

**Fase 3** ..... 28

**Centrifuge** ..... 33

**Stroboscoop** ..... 40

**Thaumatroops** ..... 45

**Phenakistoscope** ..... 48

Bewaar deze belangrijke informatie, zodat u deze in de toekomst opnieuw kunt raadplegen.

**⚠ WAARSCHUWING: INSLIKKINGSGEVAAR** – Kleine onderdelen. Niet geschikt voor kinderen jonger dan 3 jaar.

**LET OP:** Elastiekjes kunnen letsel veroorzaken als ze wegschieten, kapotgaan of als er achteloos mee wordt omgegaan. Houd elastiekjes goed vast als je modellen bouwt volgens de instructies. Rek ze niet te ver uit. Gebruik elastiekjes uitsluitend zoals in de instructies beschreven staat. **GEBRUIK GEEN GERAFELDE OF GESCHEURDE ELASTIEKJES.**

**LET OP:** Houd elastiekjes uit de buurt van het gezicht en de ogen.

Nooit proberen om een andere dan de bedoelde K’NEX projectiel projectiel te lanceren.

Niet gericht K’NEX projectiel op de ogen of het gezicht.

**LET OP:** Richt nooit op mensen, dieren of muren. Hierdoor kun je letsel of schade veroorzaken.

**LET OP:** Hou het haar, de vingers, het gezicht en kledij verwijderd van alle bewegende onderdelen.

**LET OP:** Wees voorzichtig waar u deze modellen te gebruiken. Modellen kunnen meubels of muren beschadigen of verwonden mensen of dieren.

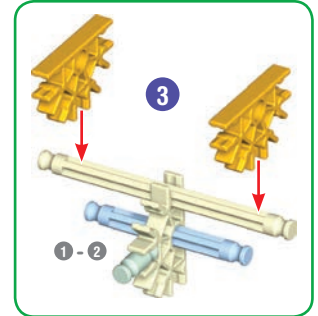
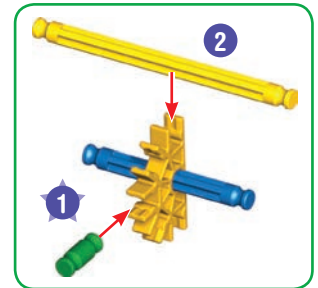
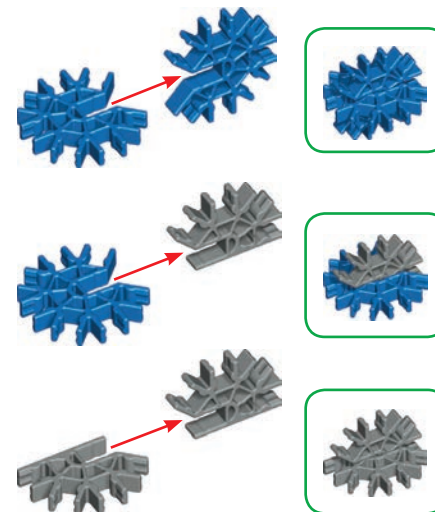
# Bouwen met K’NEX

## Beginnen met bouwen

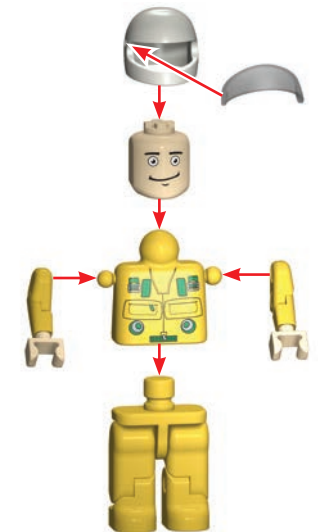
Om te starten met de bouw van je model begin je bij 1 en volg je de nummers. Elk onderdeel heeft een eigen vorm en kleur. Kijk goed naar de plaatjes. Zoek de onderdelen in je set die overeenstemmen met de onderdelen op de plaatjes en verbind ze met elkaar. Probeer tijdens het bouwen je model in dezelfde richting te laten wijzen als in de instructies. De pijlen geven aan waar je onderdelen met elkaar moet verbinden, al worden niet alle verbindingpunten aangeduid door pijlen. Gedeelten in een vagere kleur zijn al gebouwd.

## Verbindingsstukken

Je kunt deze speciale verbindingstukken in elkaar steken. Duw ze stevig tegen elkaar aan tot je een ‘klik’ hoort. Let goed op de instructies en plaats ze horizontaal en verticaal, precies zoals wordt getoond.



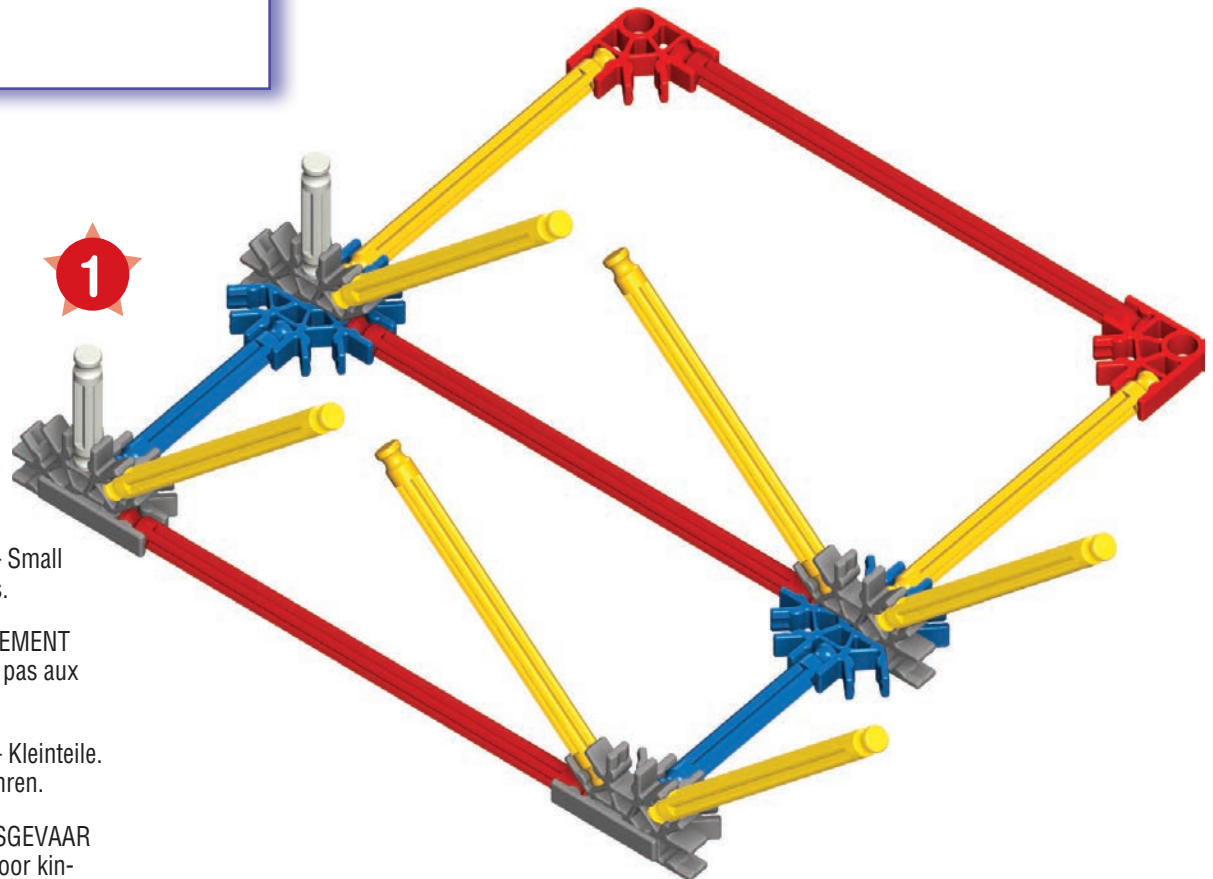
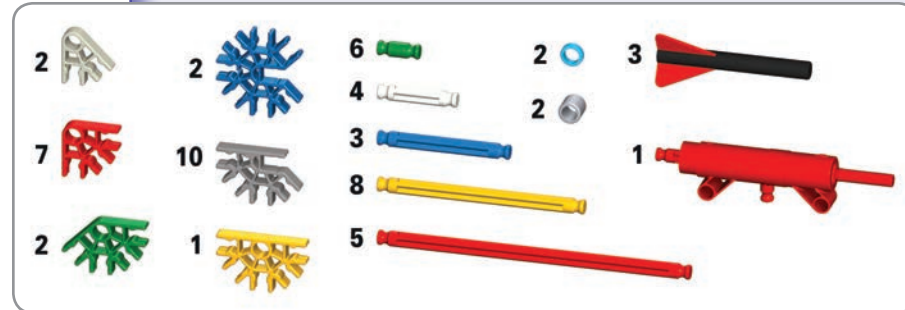
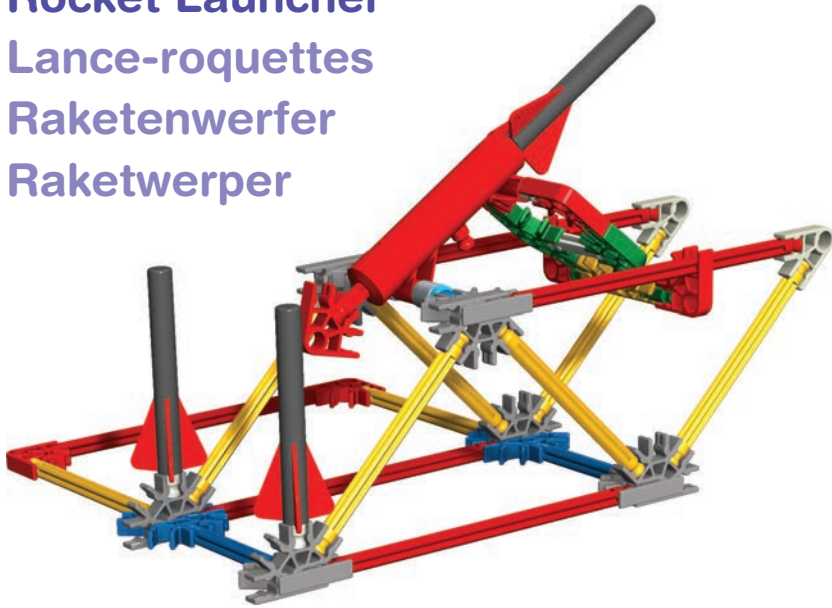
## Figuur Assembly



## Afstandhouders

Op bepaalde plekken van je model moet je afstandhouders gebruiken. Zorg dat je het juiste aantal afstandhouders gebruikt, zoals wordt getoond in de instructies.

**Rocket Launcher**  
**Lance-roquettes**  
**Raketenwerfer**  
**Raketwerper**

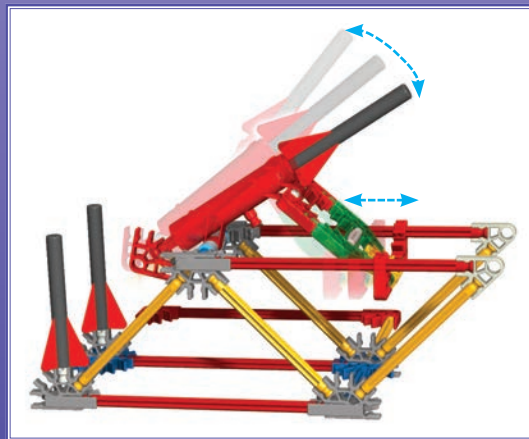
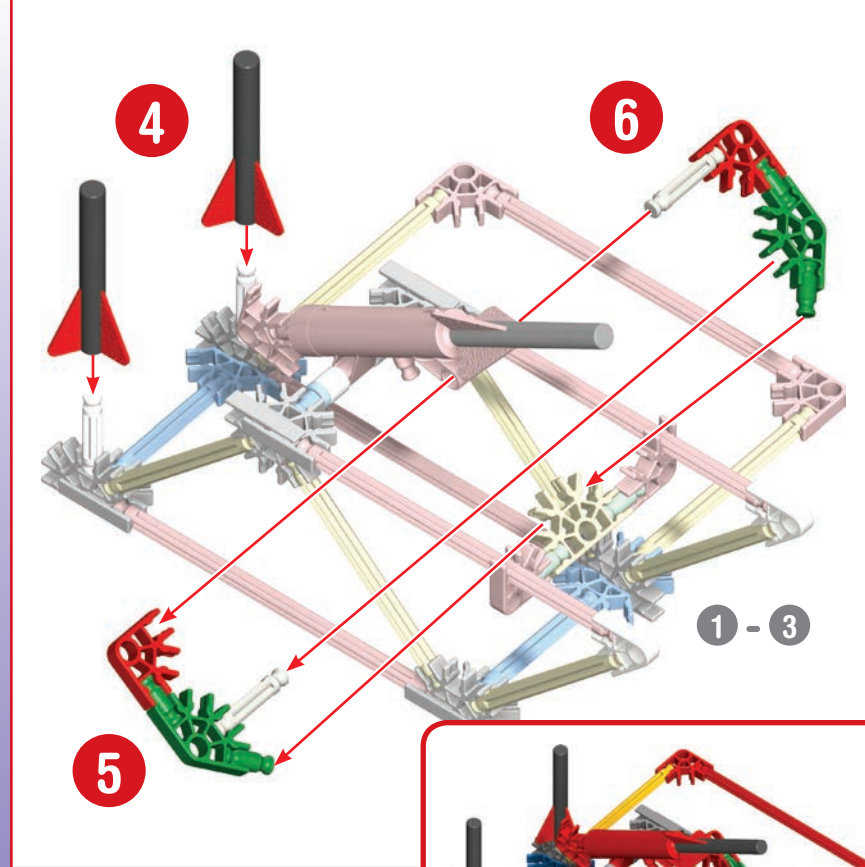
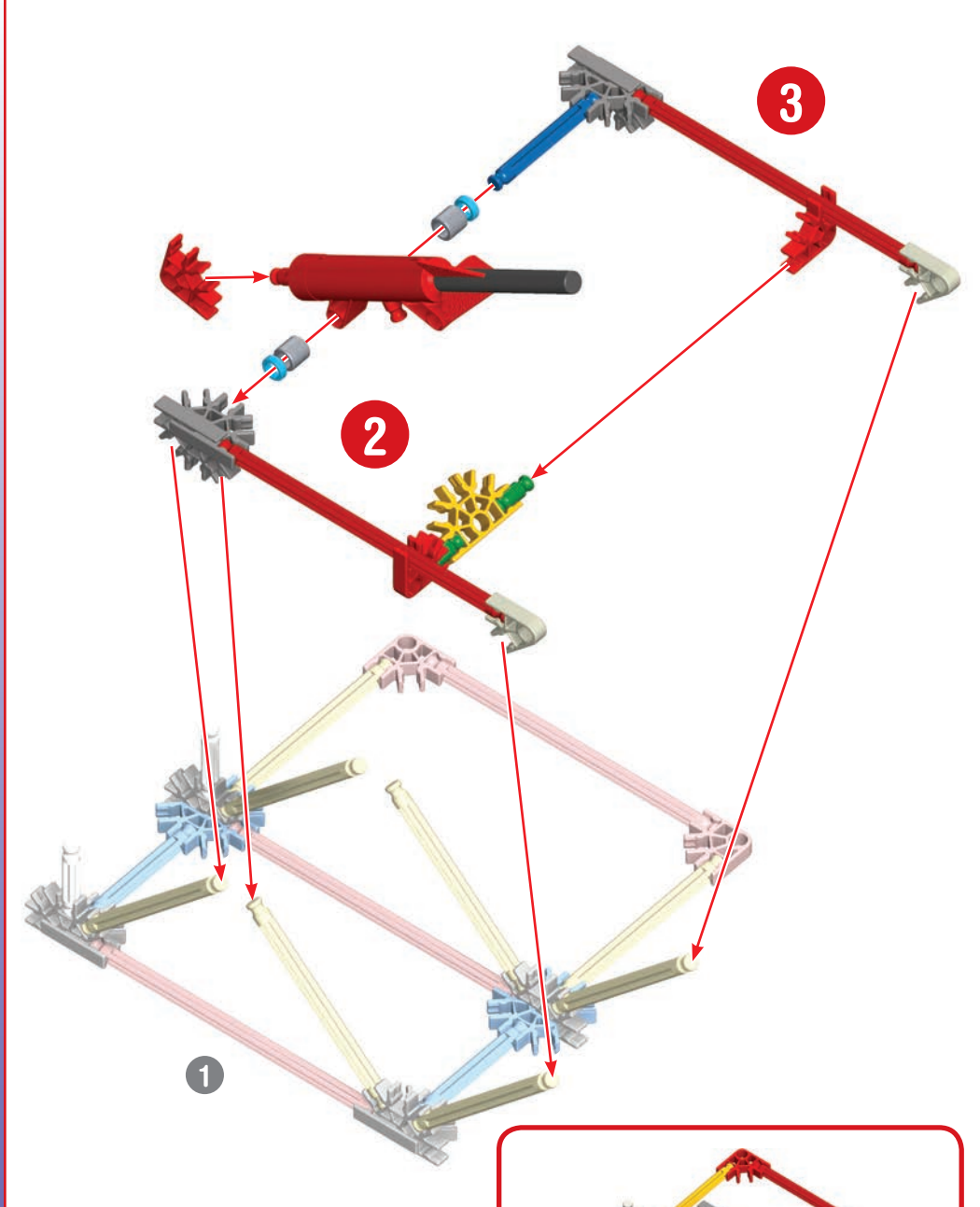


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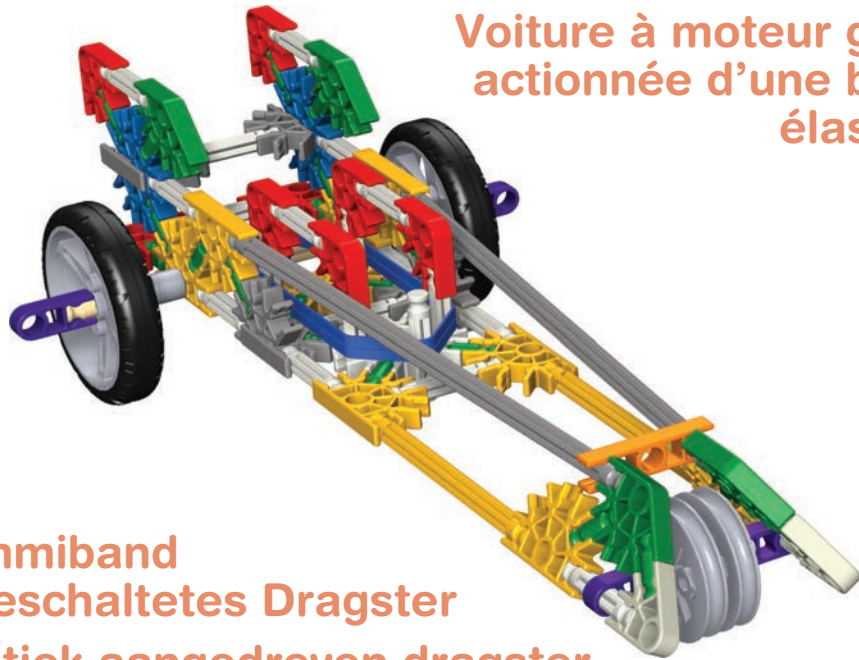
**⚠ ACHTUNG: ERSTICKACHTUNG** – Kleinteile. Nicht geeignet für Kinder unter 3 Jahren.

**⚠ WAARSCHUWING: INSLIKKINGSGEVAAR** – Kleine Onderdelen. Niet geschikt voor kinderen jonger dan 3 jaar.

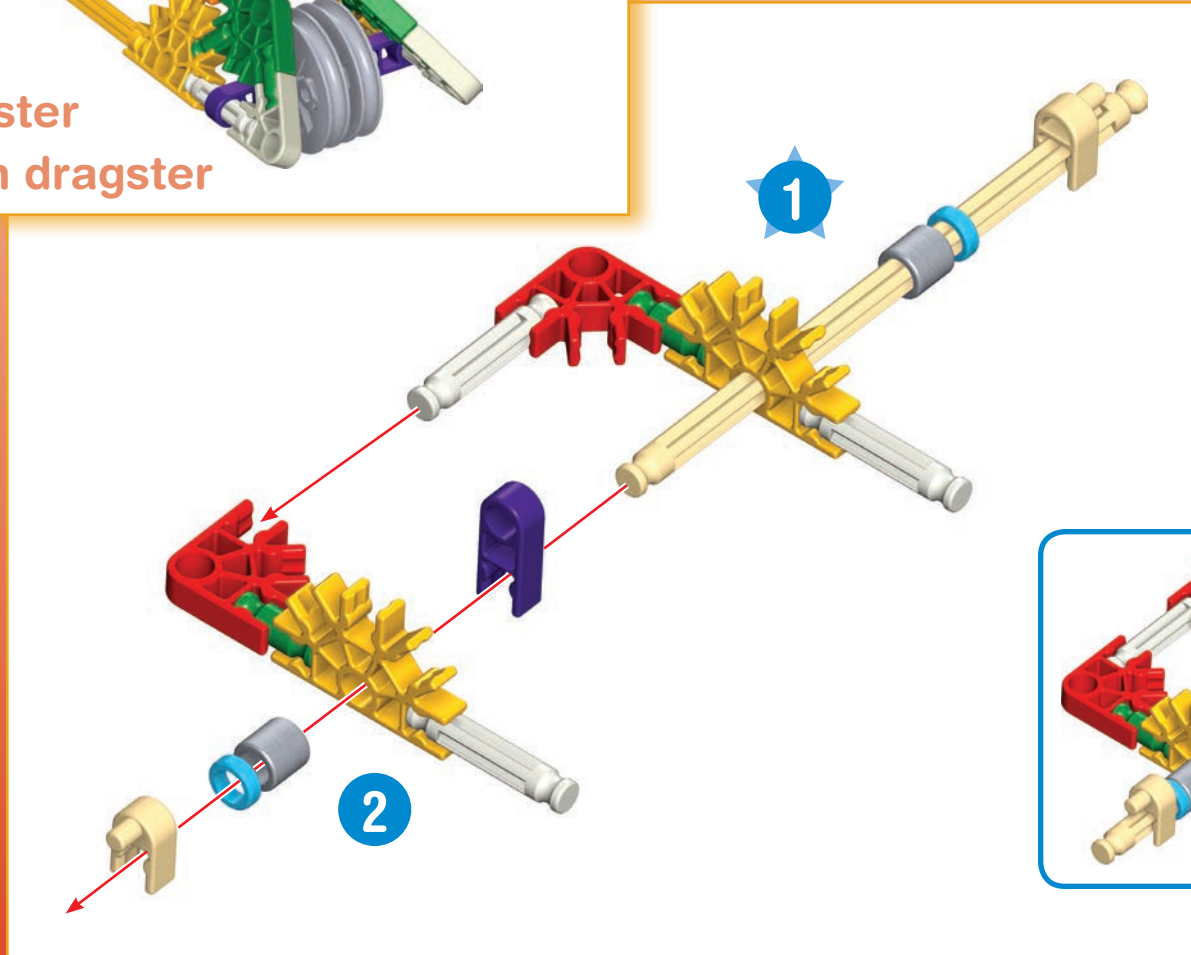


# Rubber Band Powered Dragster

Voiture à moteur gonflé  
actionnée d'une bande  
élastique



Gummiband  
angeschaltetes Dragster  
Elastiek aangedreven dragster





1 - 2

4

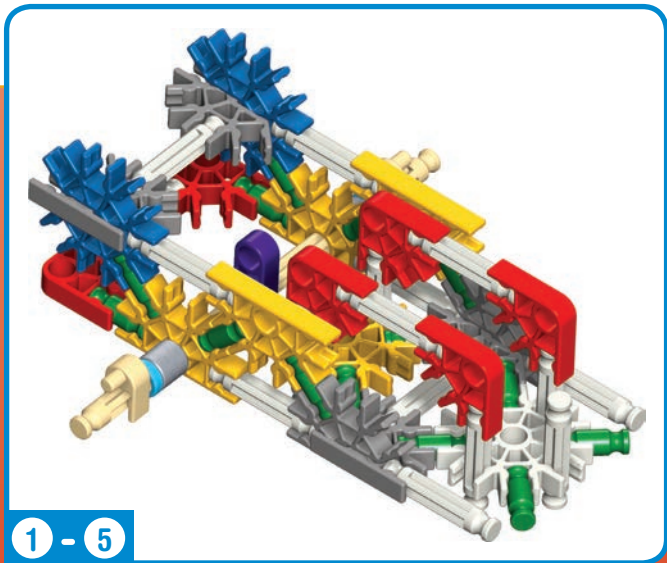
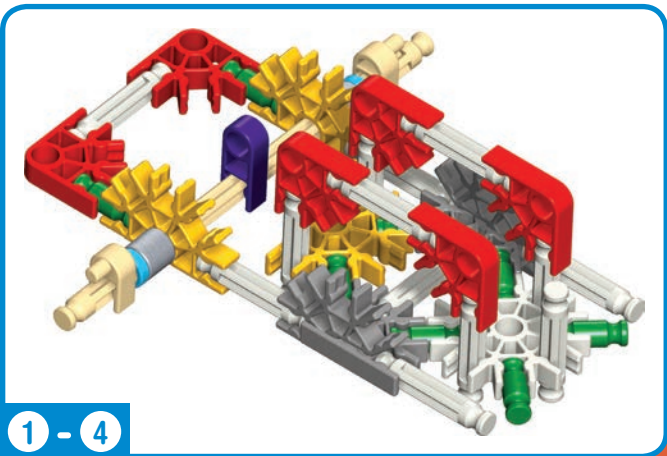
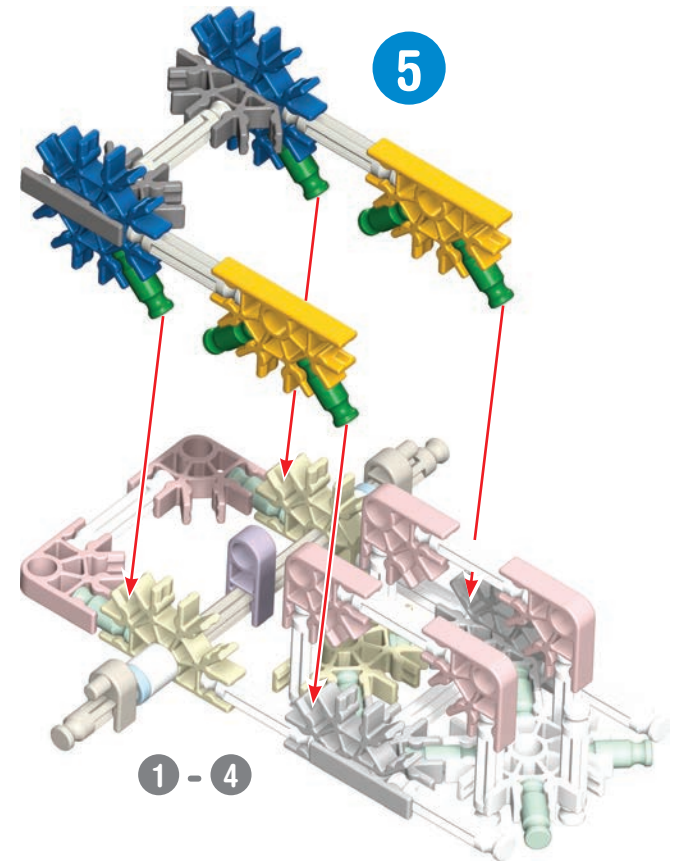
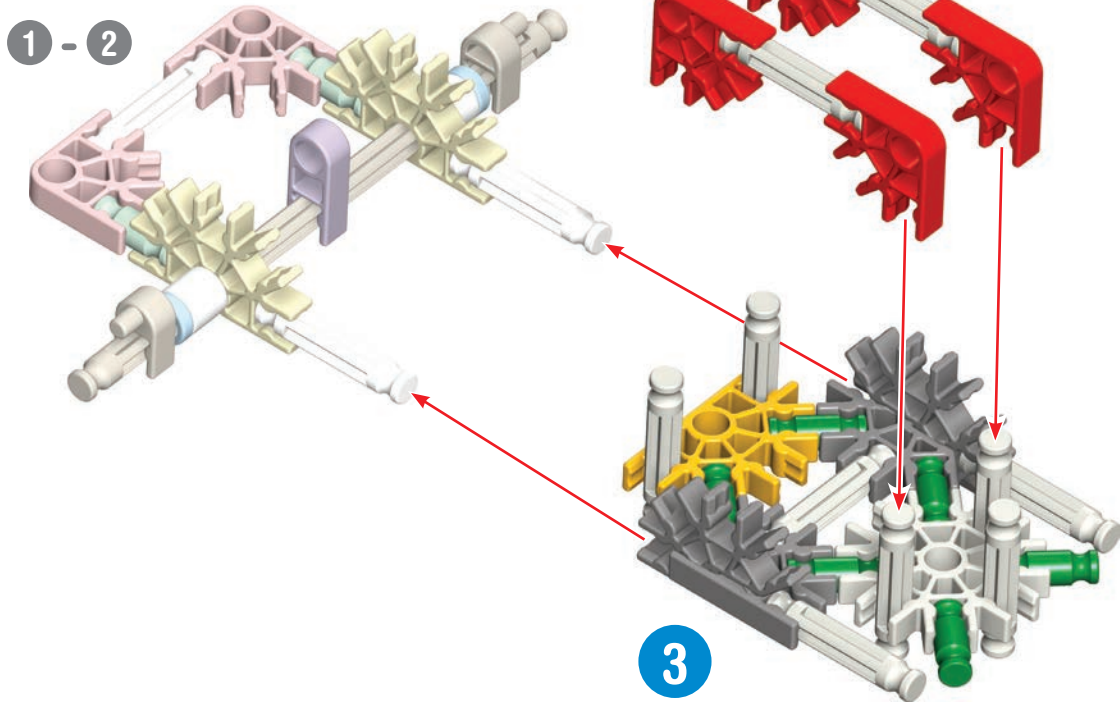
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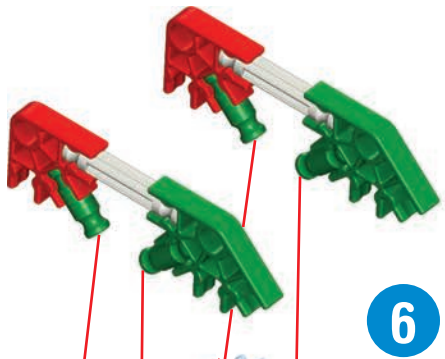
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1 - 4

1 - 4

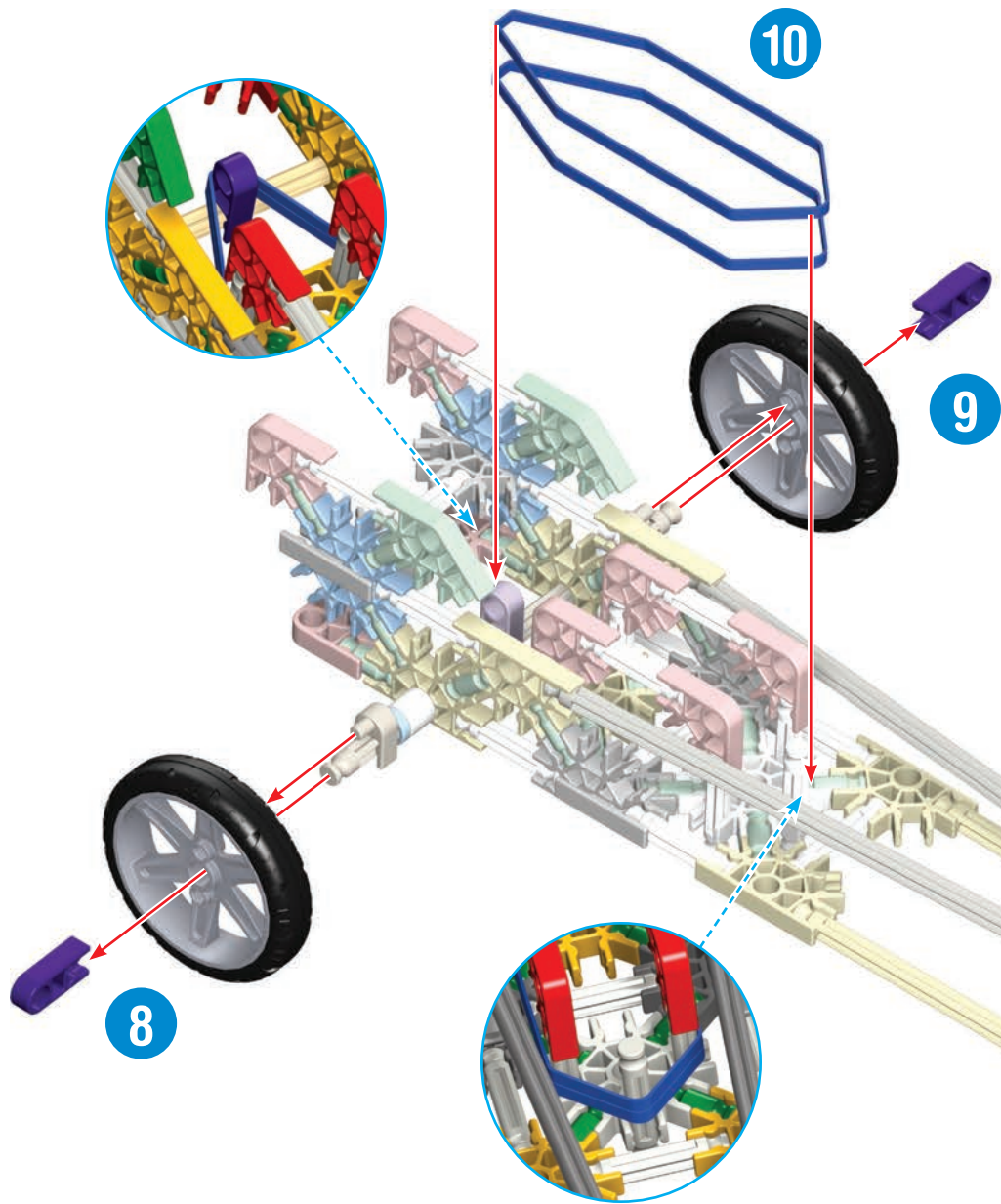
1 - 5



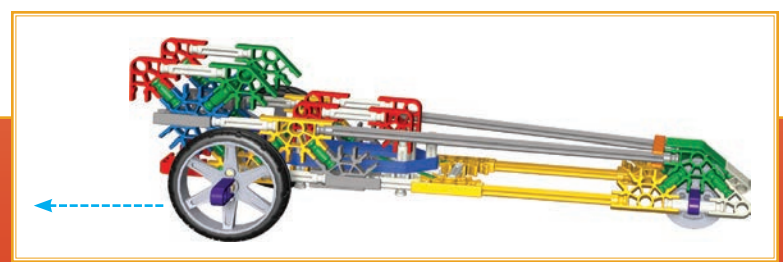
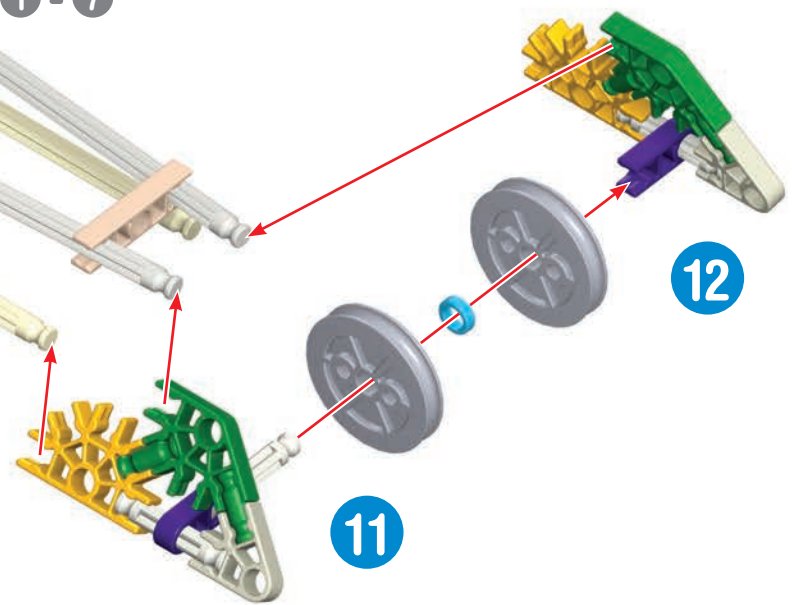


1 - 5

7



1 - 7





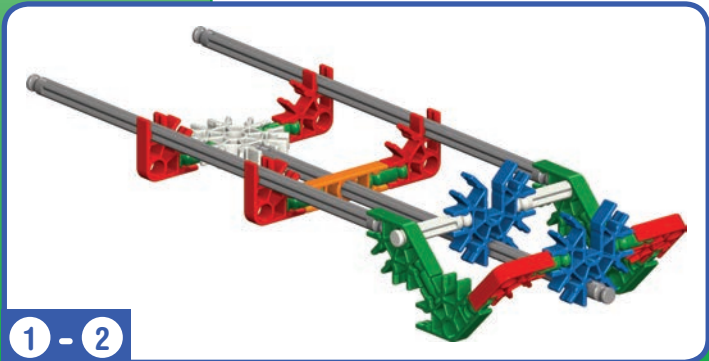
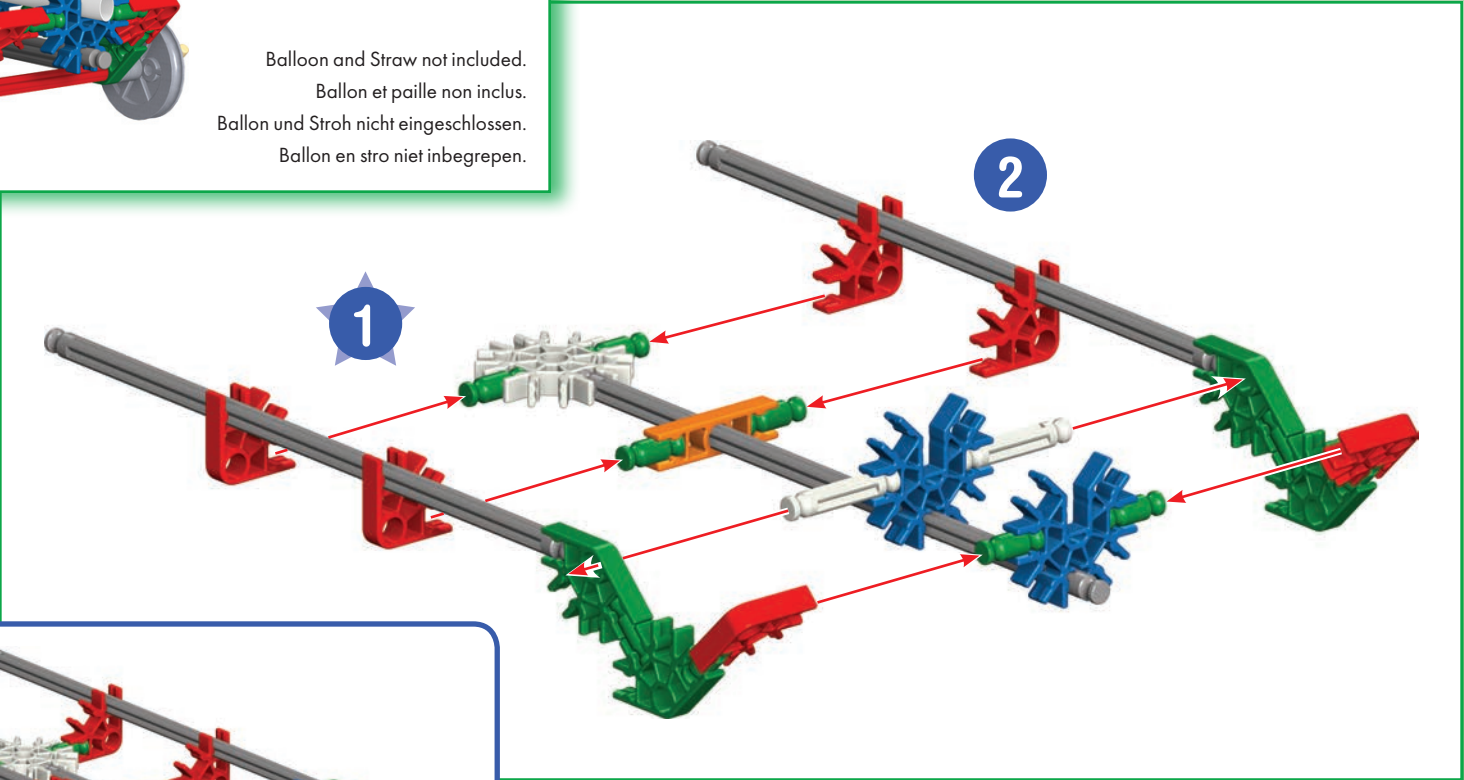
# Balloon Racer

## Coureur de ballon

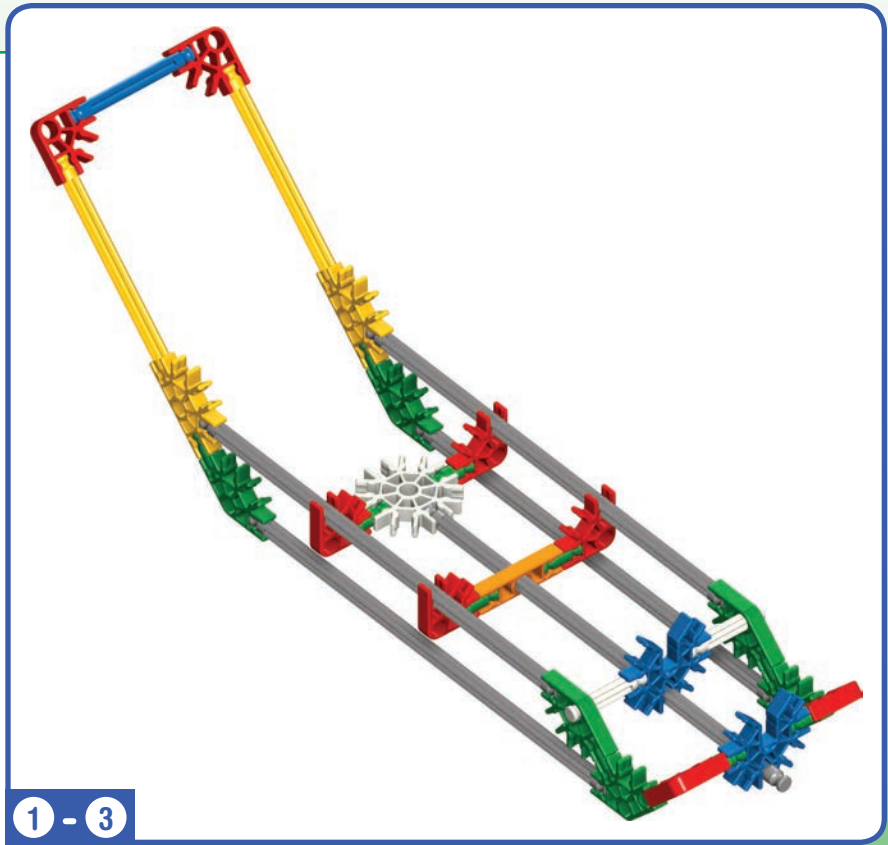
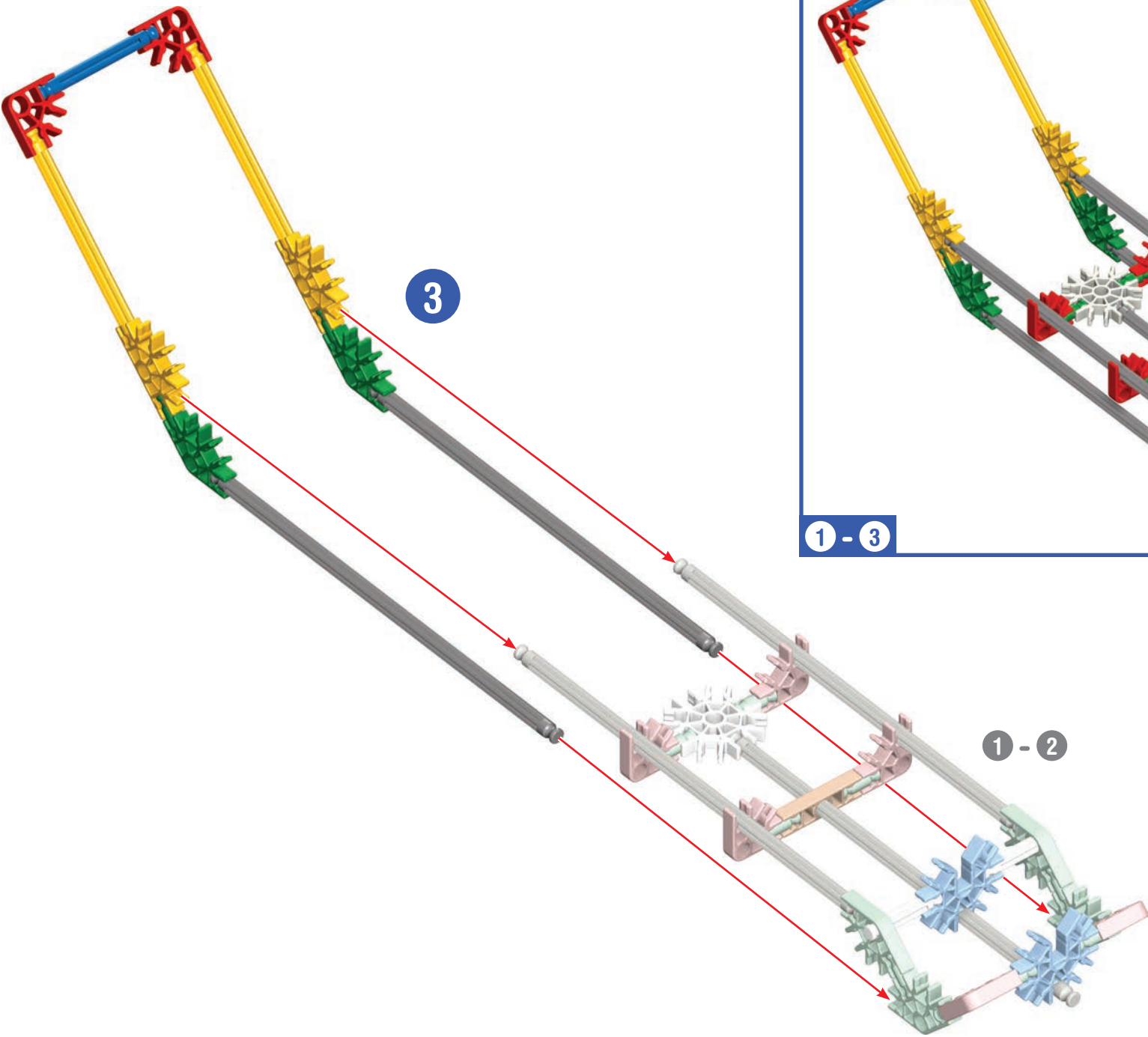
### Ballon-Rennläufer

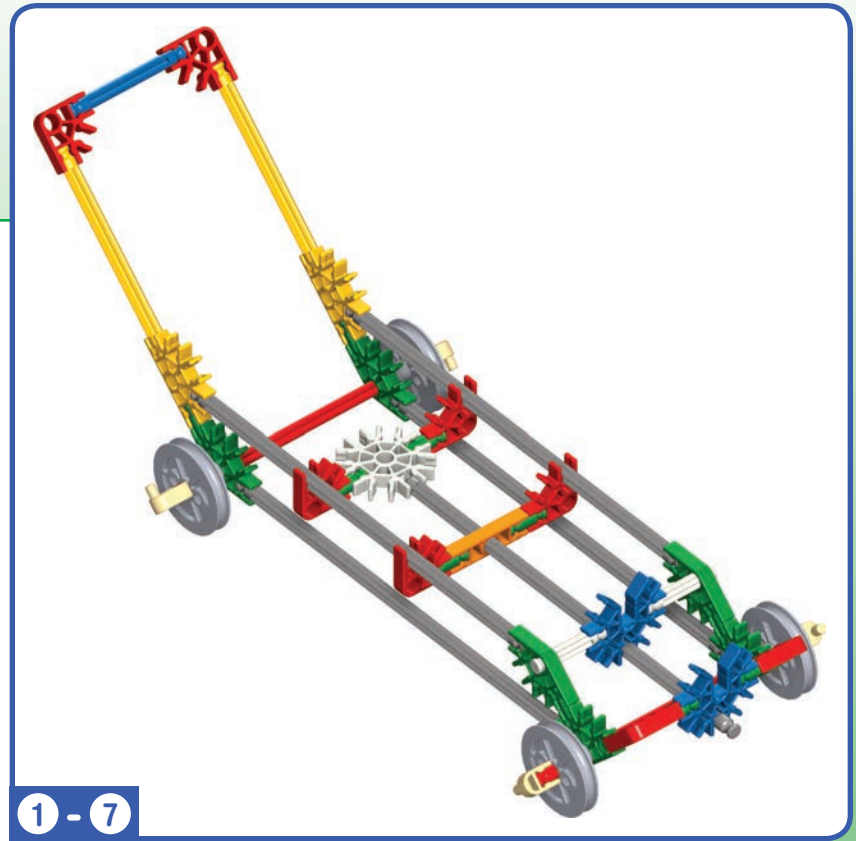
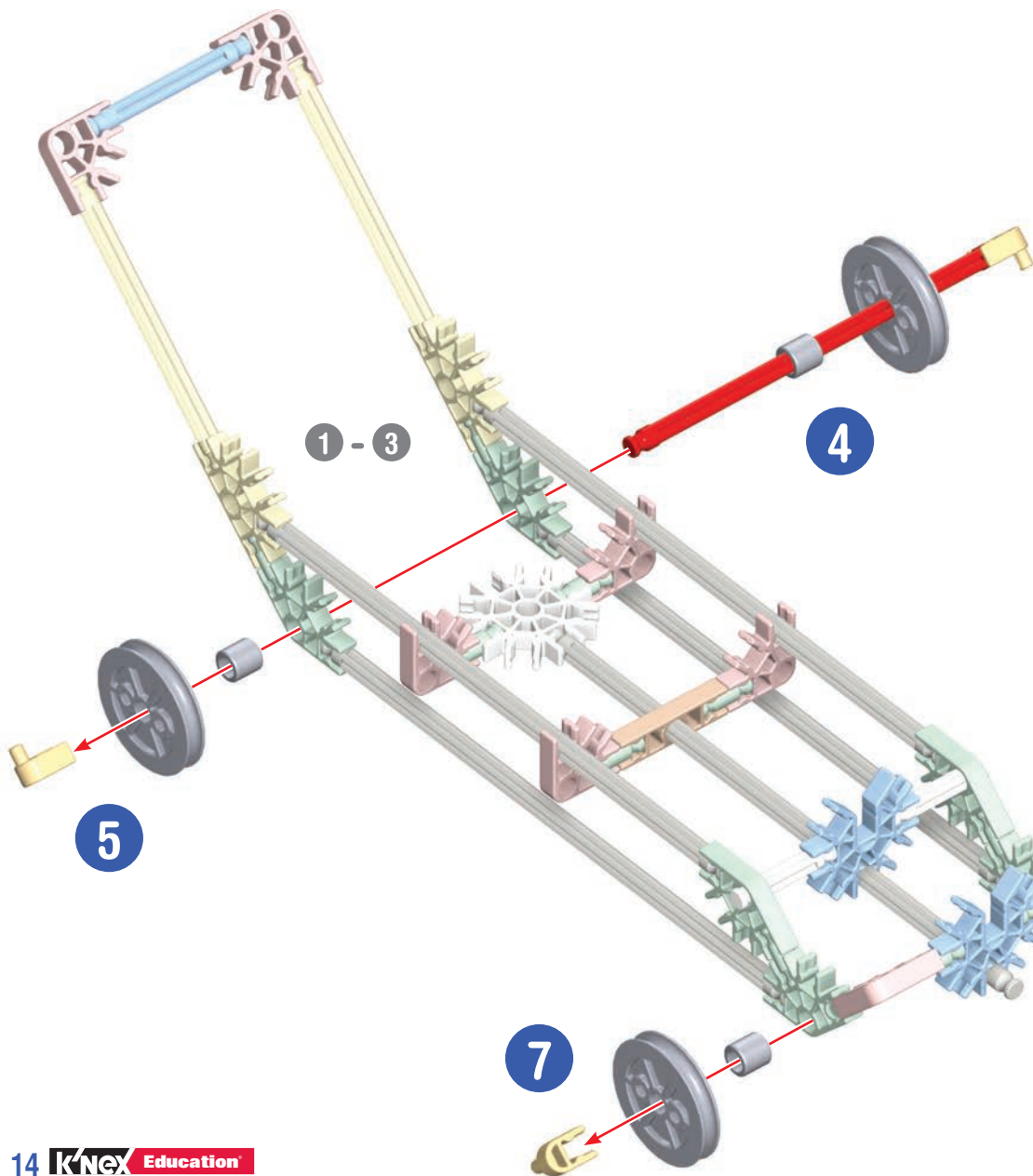
### Ballon Racer

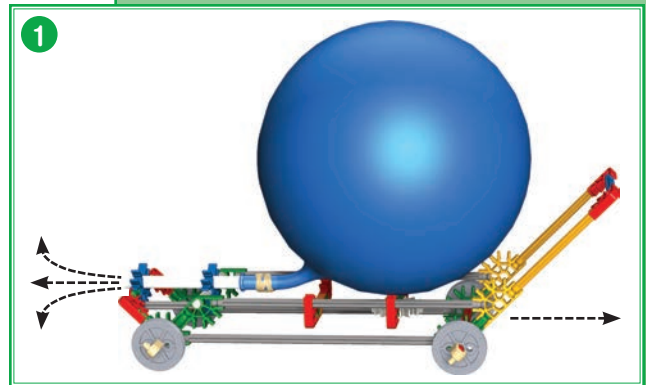
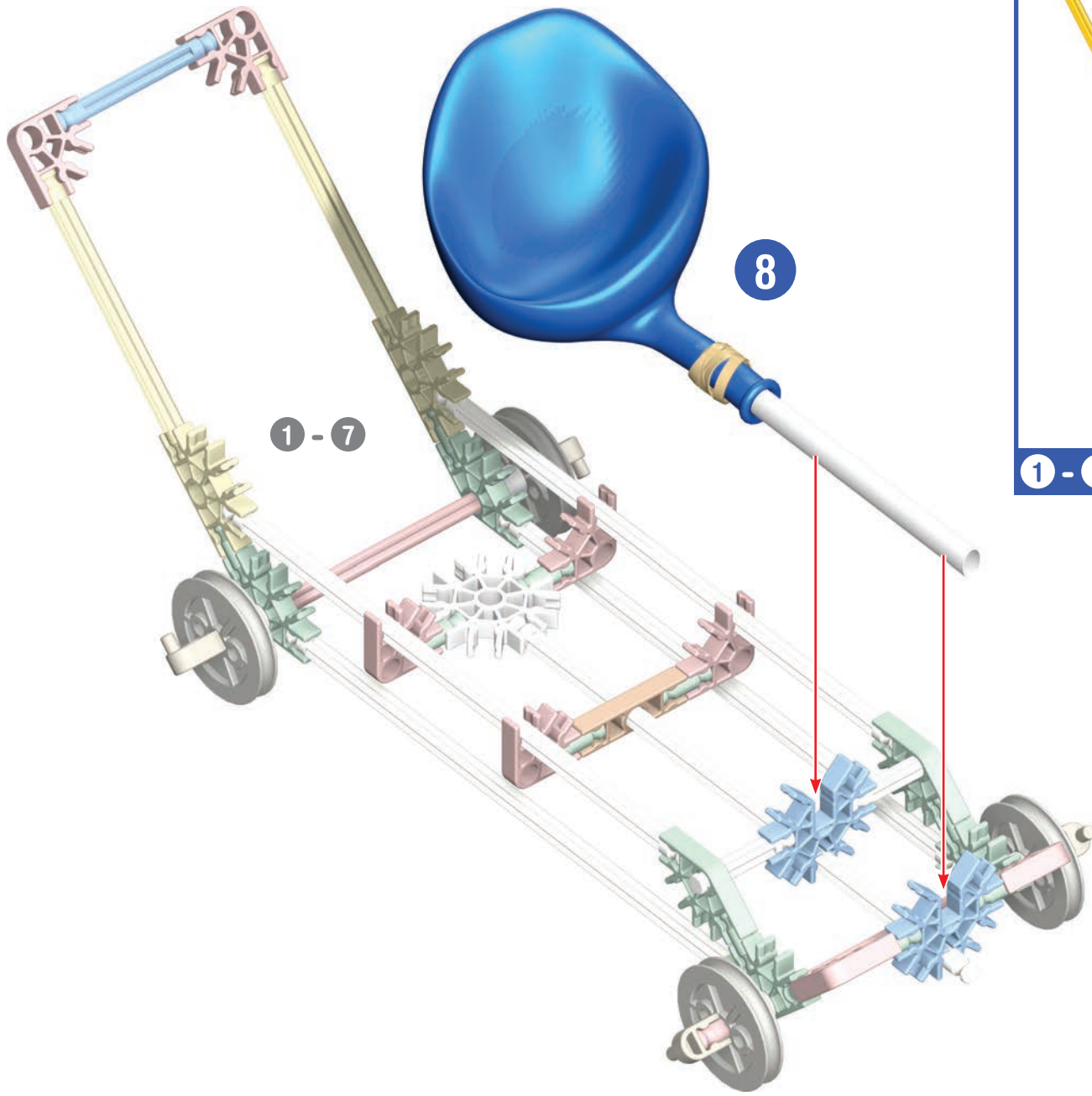
Balloon and Straw not included.  
 Ballon et paille non inclus.  
 Ballon und Stroh nicht eingeschlossen.  
 Ballon en stro niet inbegrepen.



1 - 2







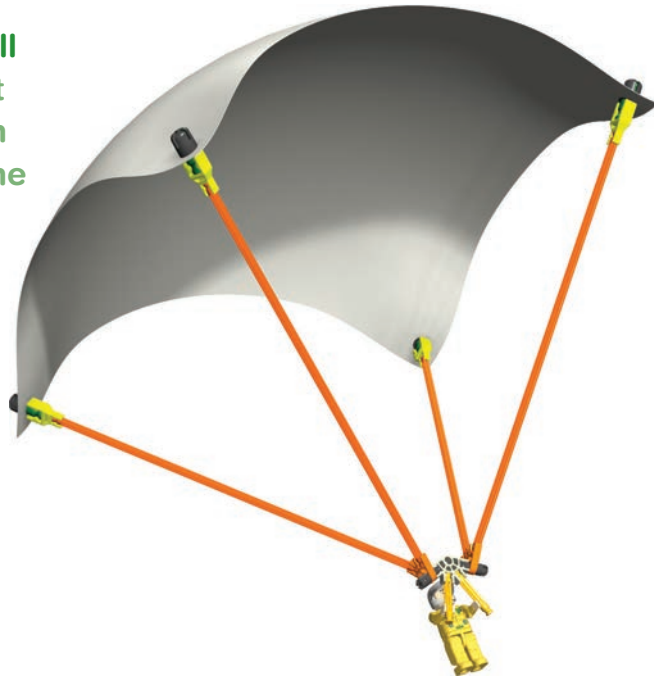
# Parachutes

# Parachutes

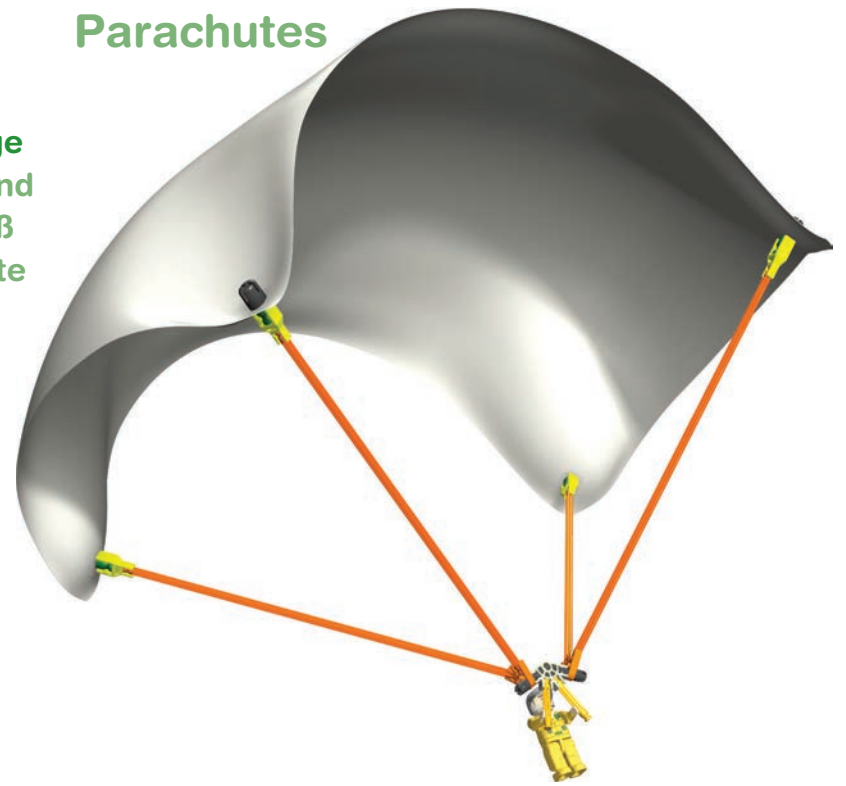
# Fallschirme

# Parachutes

small  
petit  
klein  
kleine



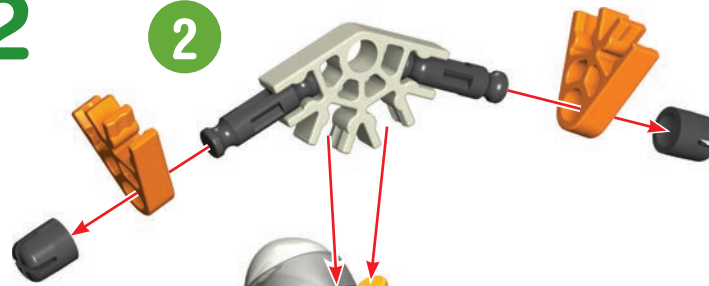
large  
grand  
groß  
grote



- |   |  |   |  |   |  |   |  |   |  |   |  |
|---|--|---|--|---|--|---|--|---|--|---|--|
| 8 |  | 4 |  | 2 |  | 2 |  | 2 |  | 2 |  |
| 4 |  | 2 |  | 2 |  |   |  |   |  |   |  |
| 4 |  | 8 |  | 2 |  | 2 |  |   |  |   |  |
| 4 |  |   |  |   |  |   |  |   |  |   |  |
| 8 |  |   |  |   |  |   |  |   |  |   |  |
| 8 |  |   |  |   |  |   |  |   |  |   |  |

x2

2



1

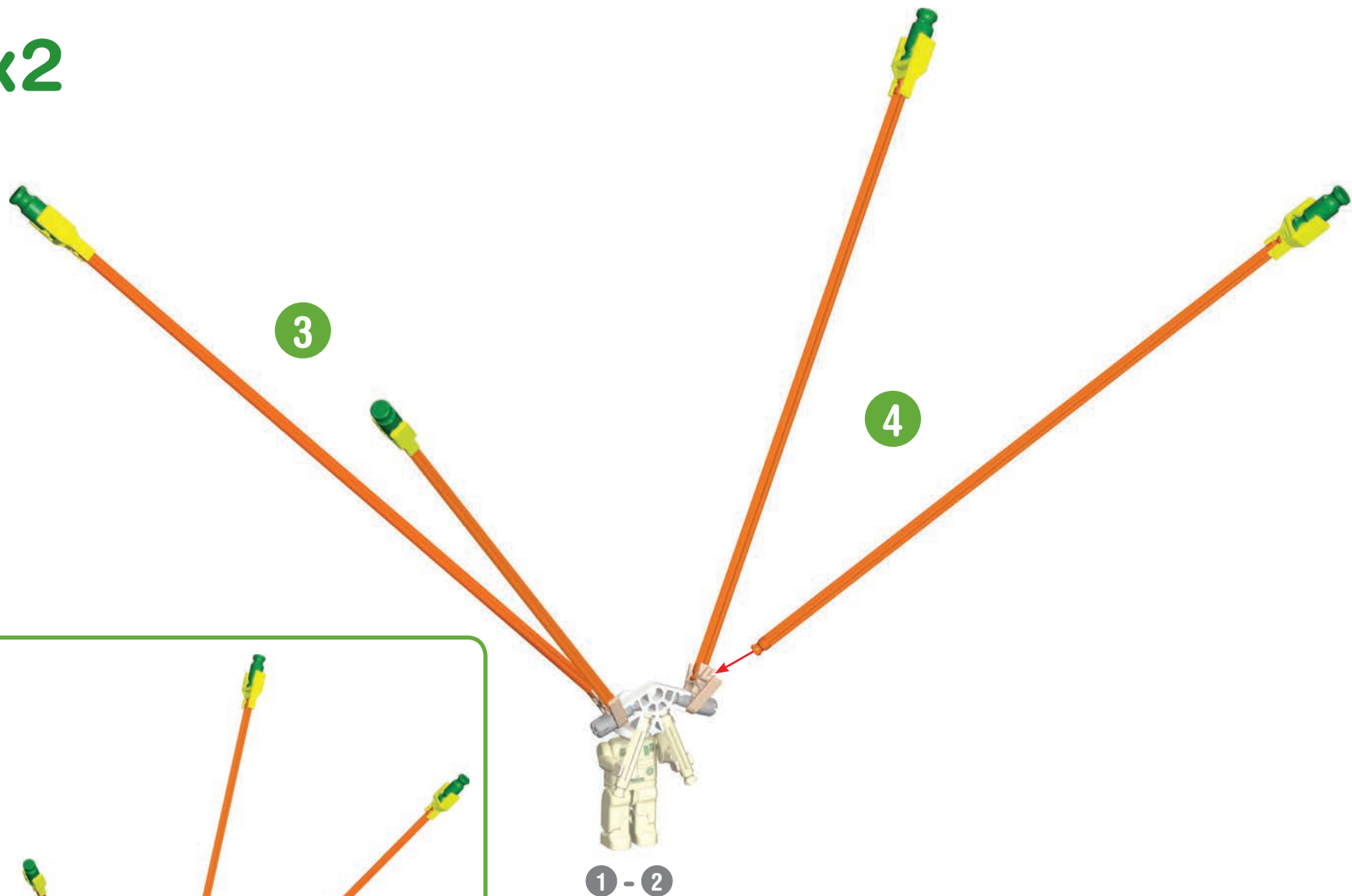


x2

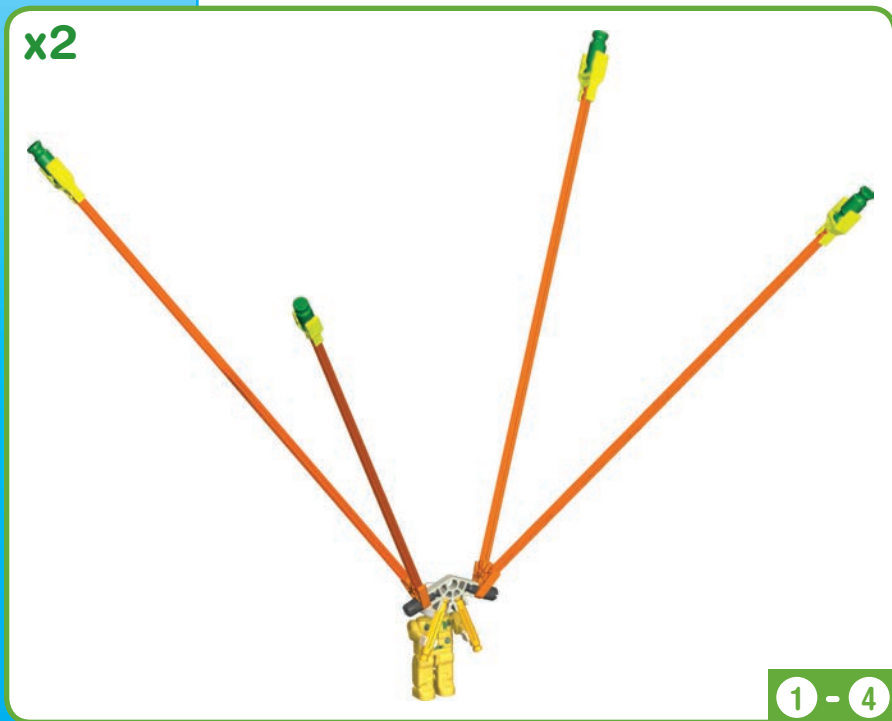
1 - 2



x2

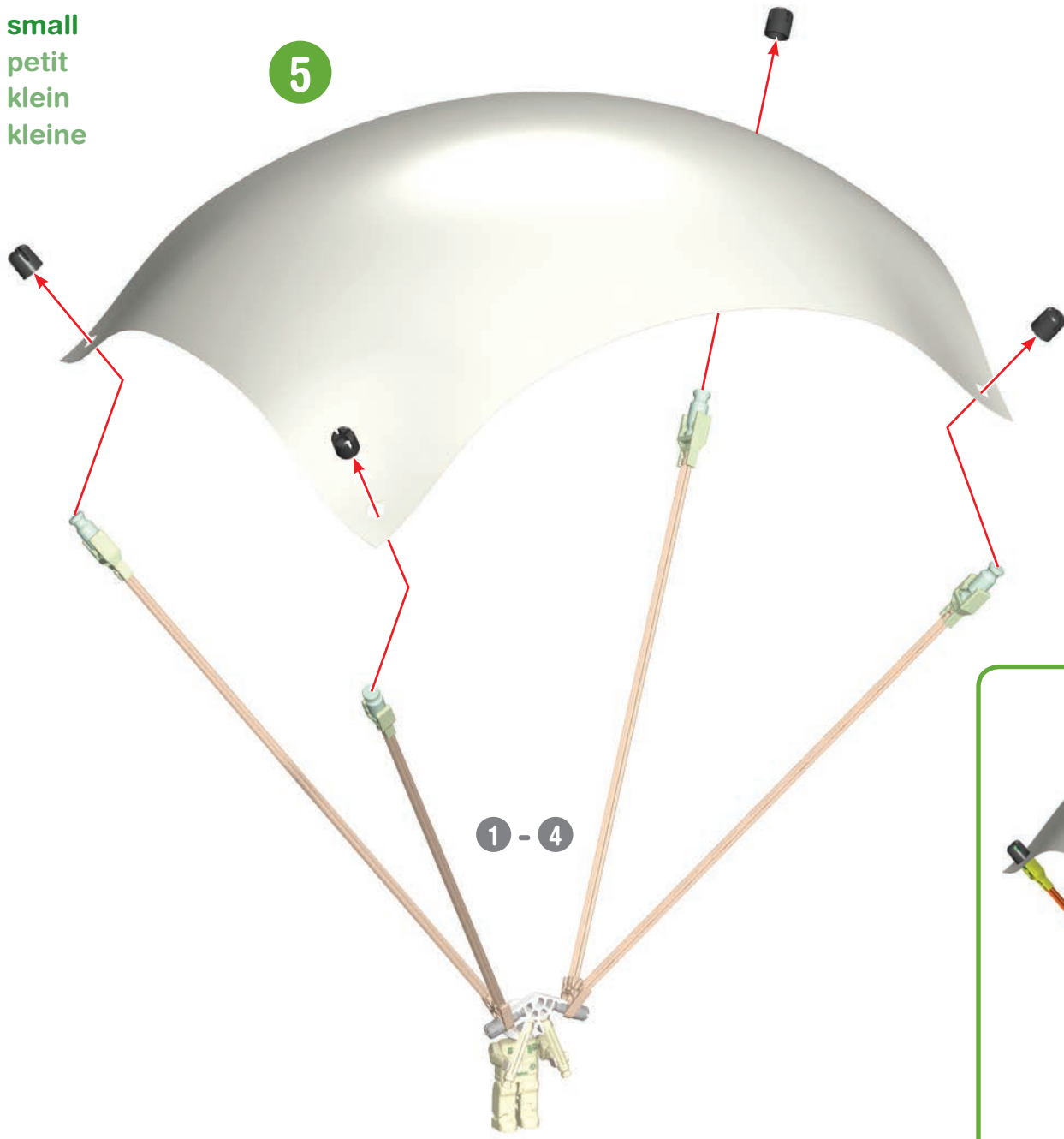


x2



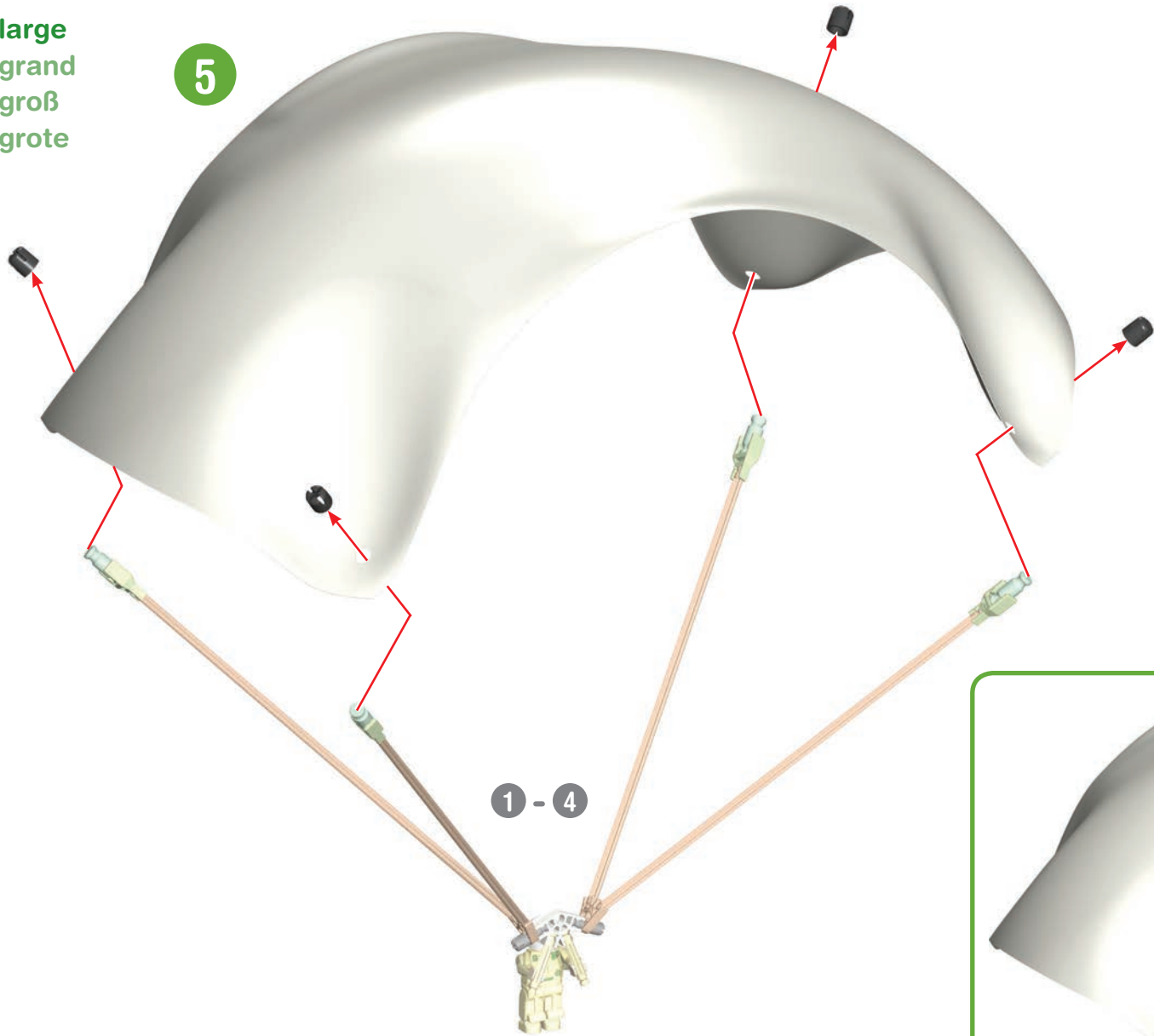
small  
petit  
klein  
kleine

5



large  
grand  
groß  
grote

5



1 - 4

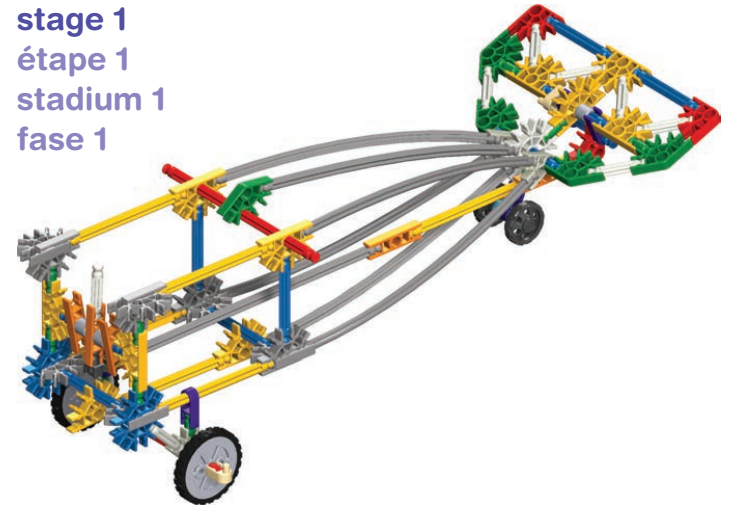


1 - 5

Airplane  
Avion  
Flugzeug  
Vliegtuig

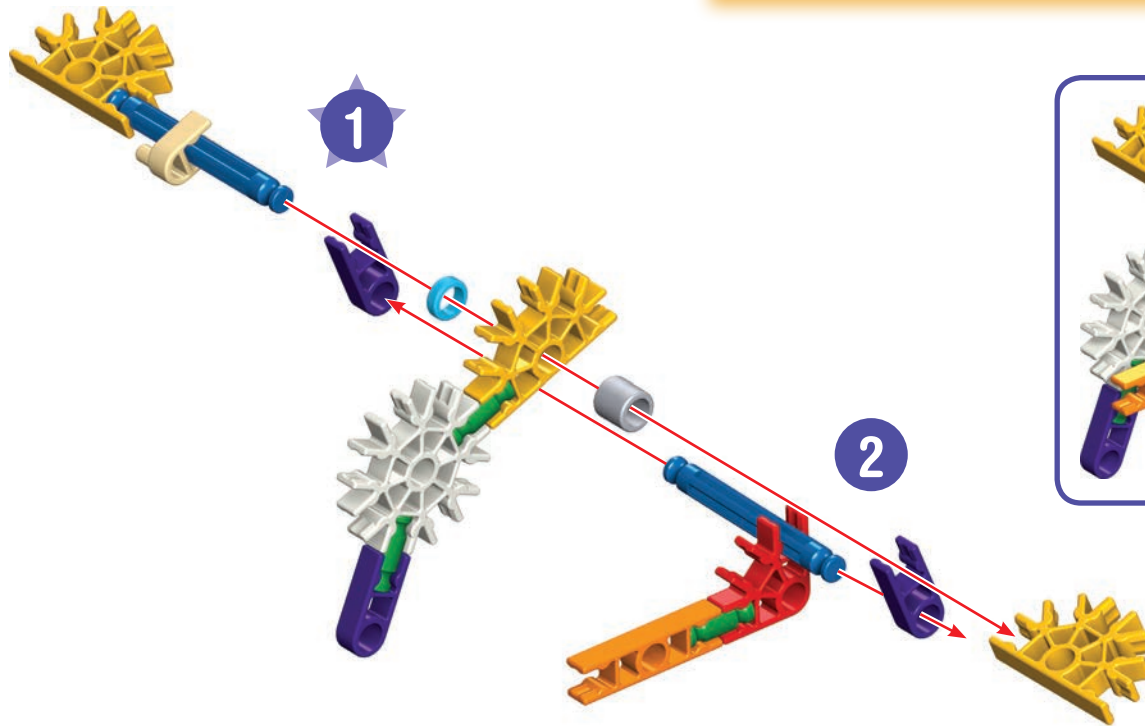


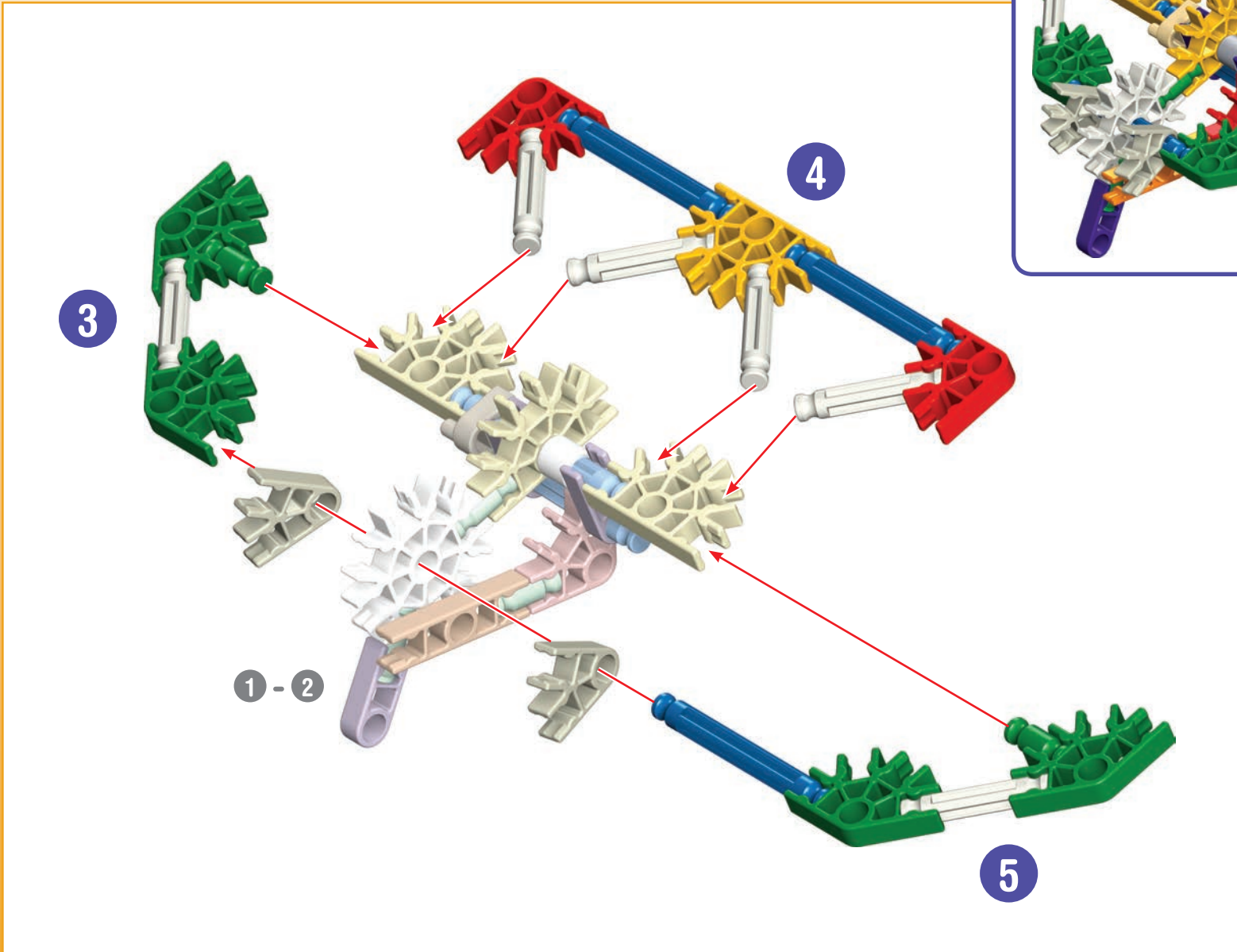
stage 1  
étape 1  
stadium 1  
fase 1

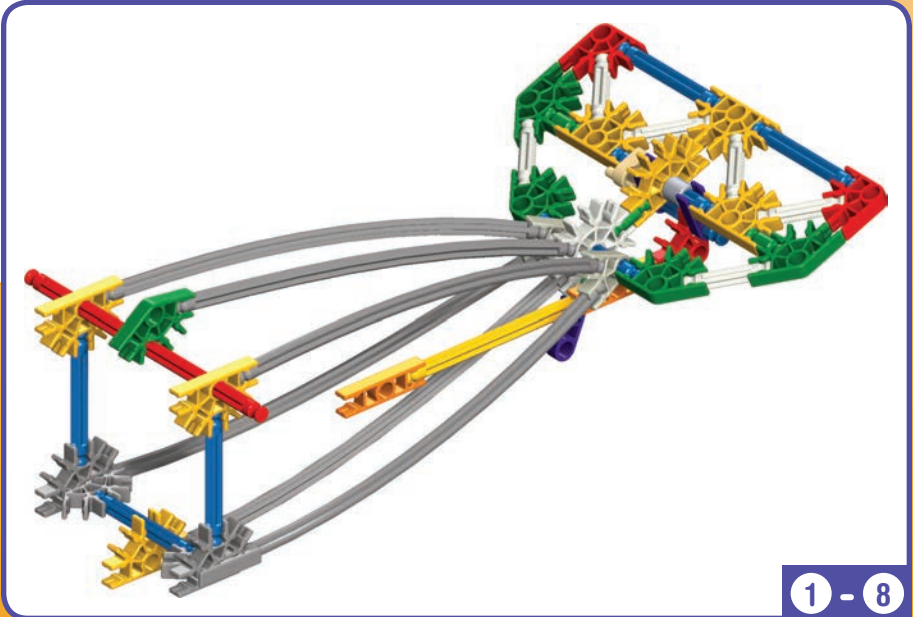
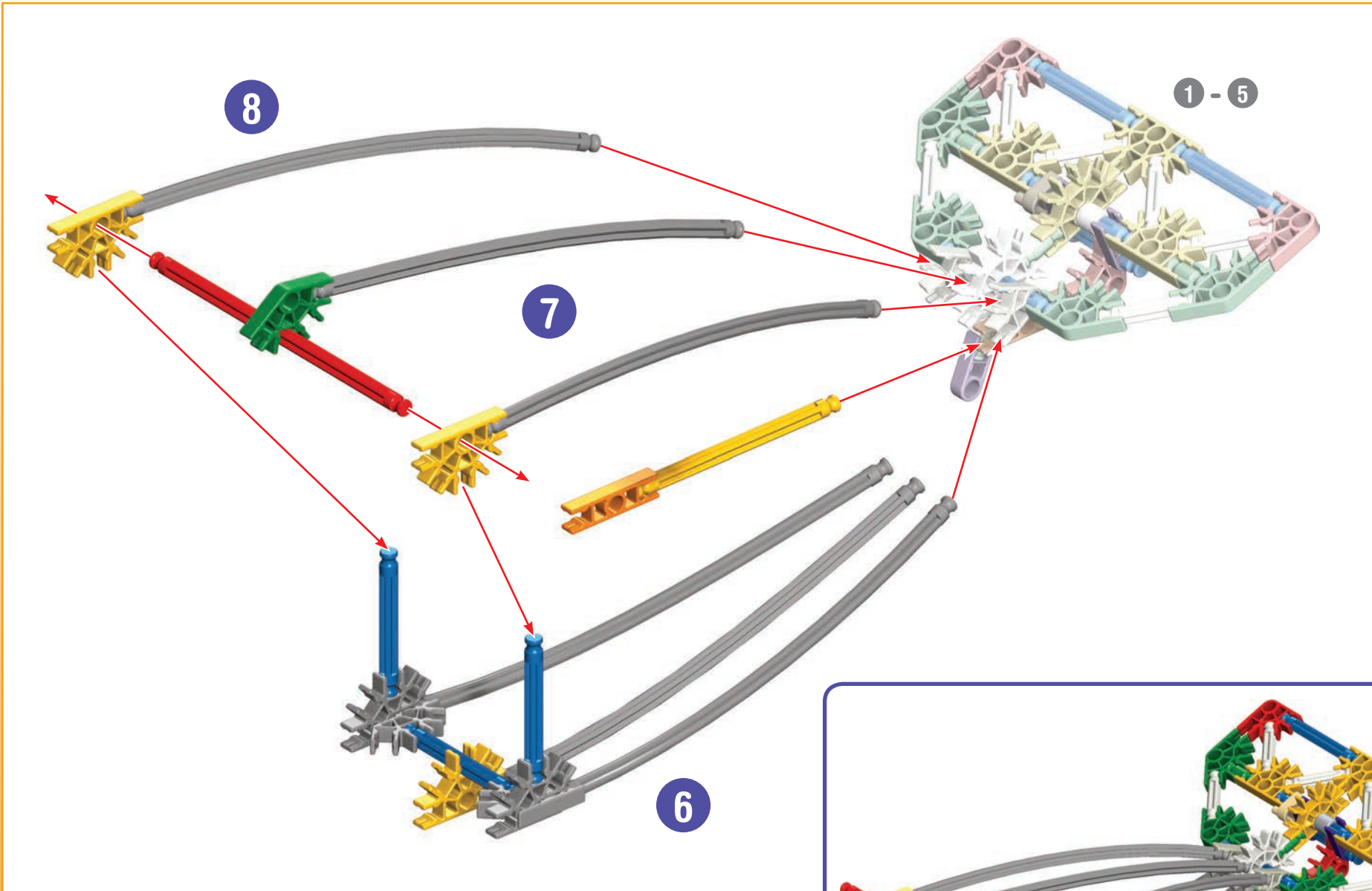


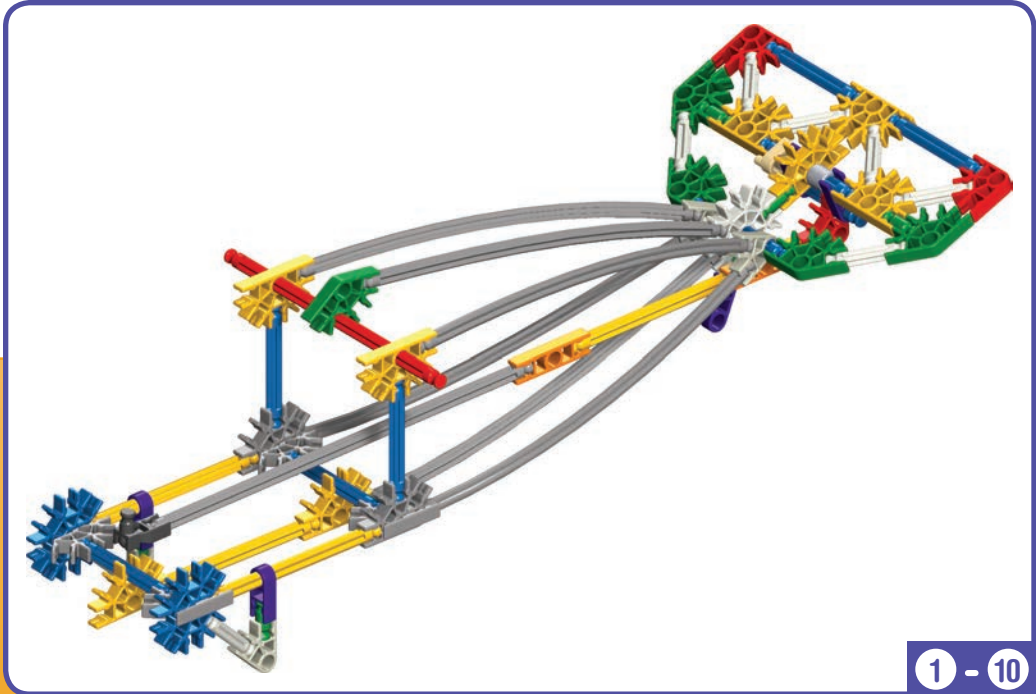
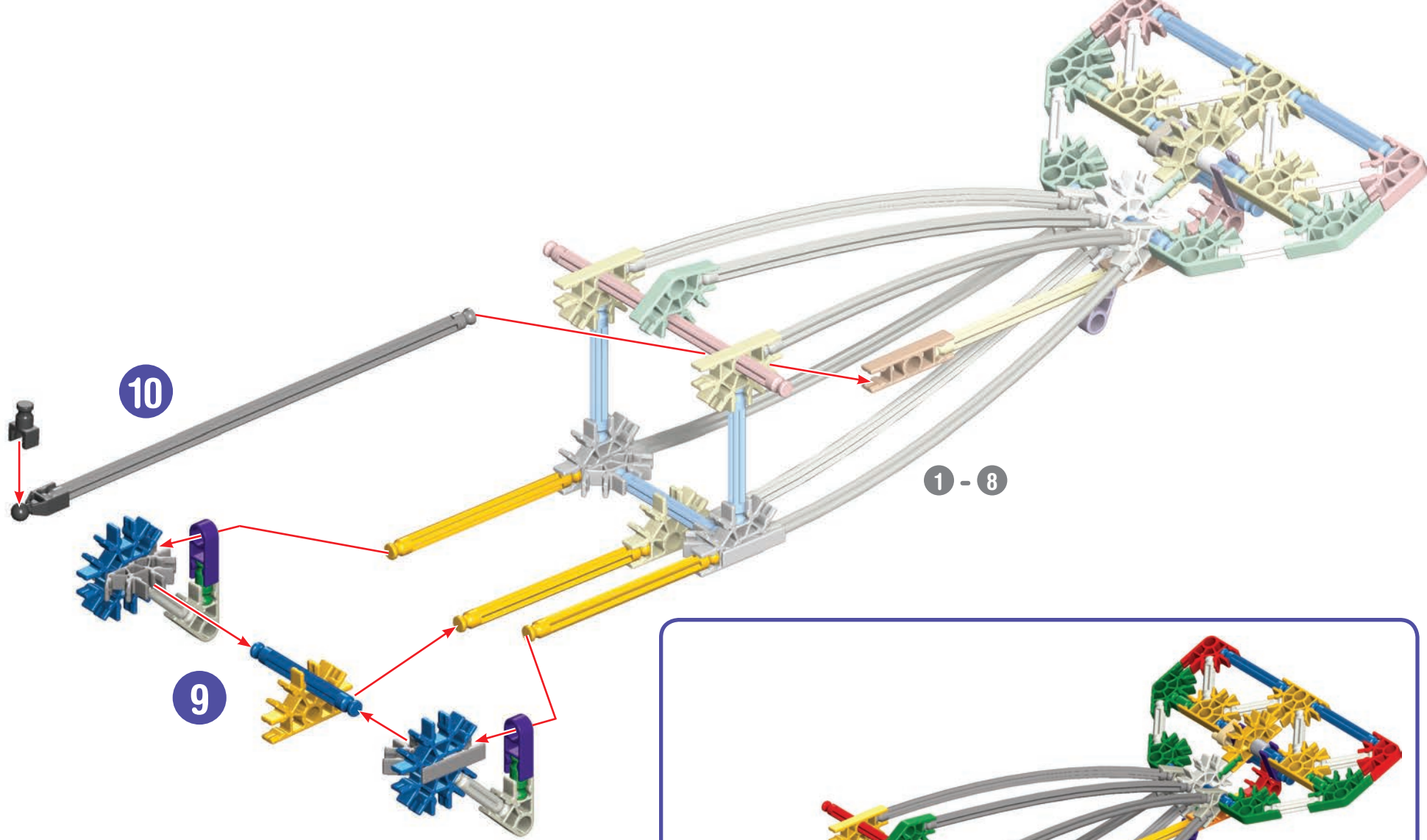
stage 1  
étape 1

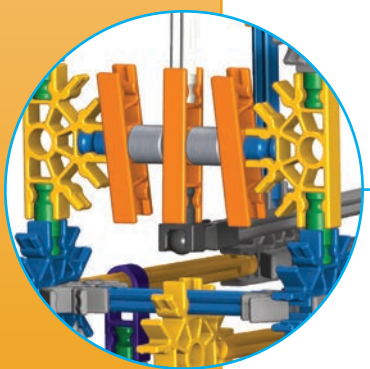
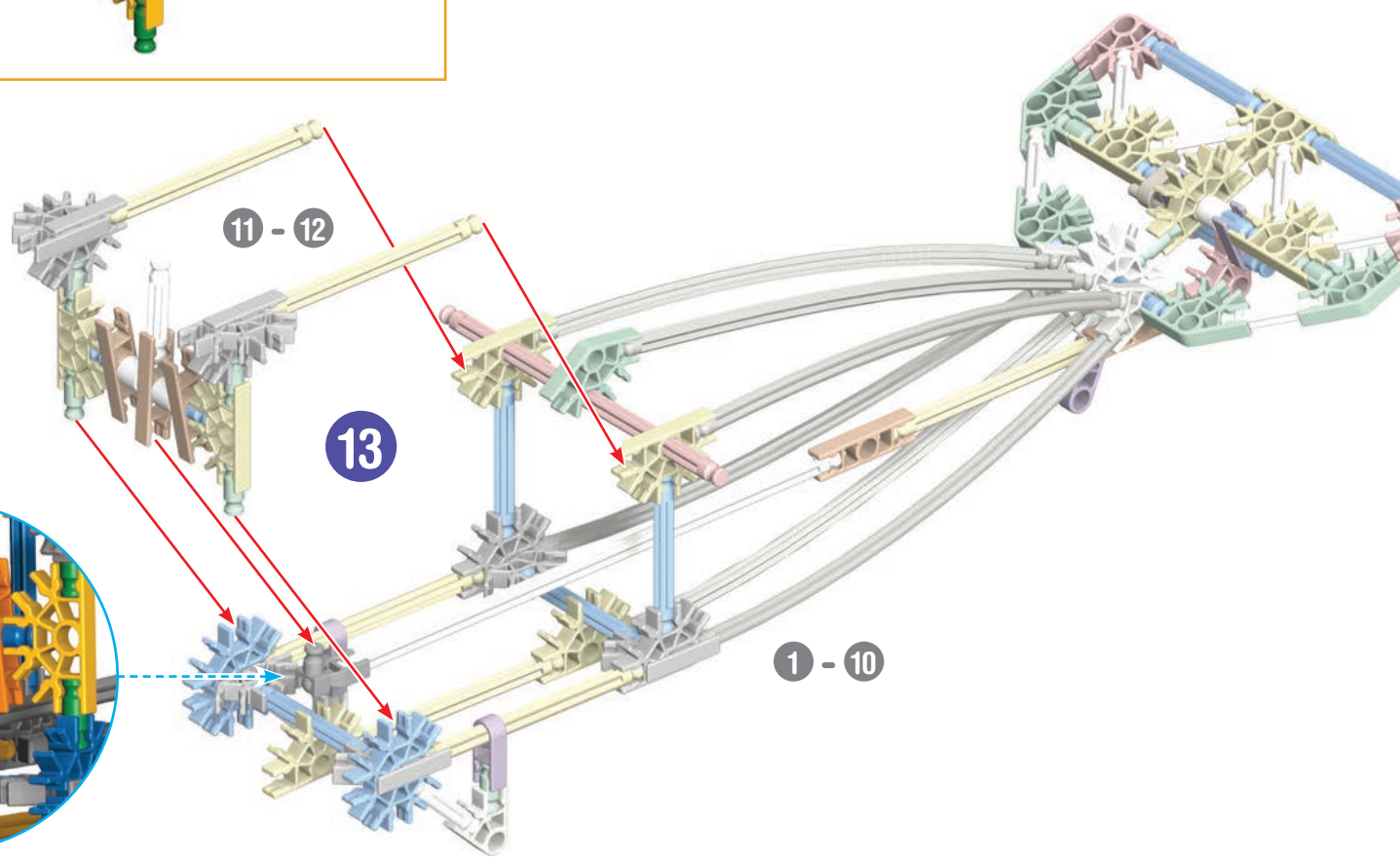
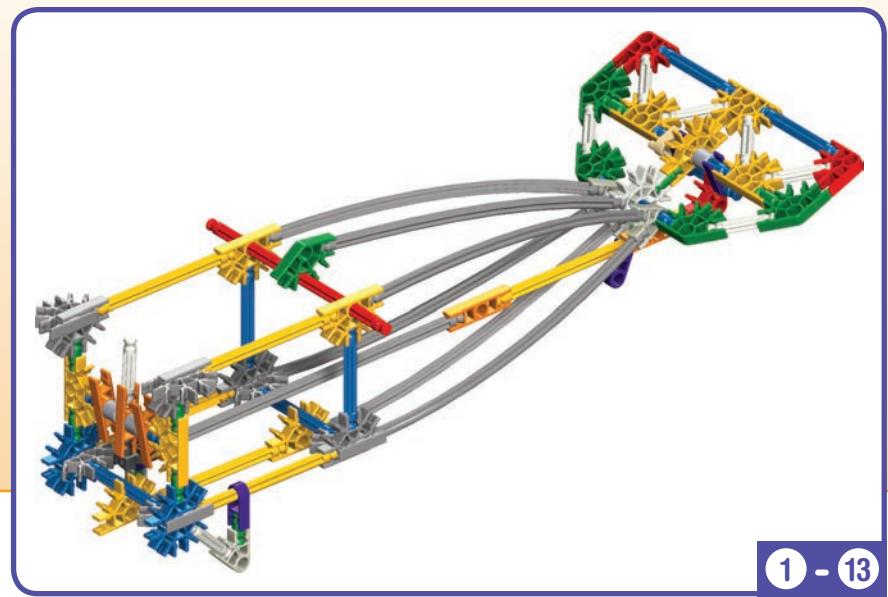
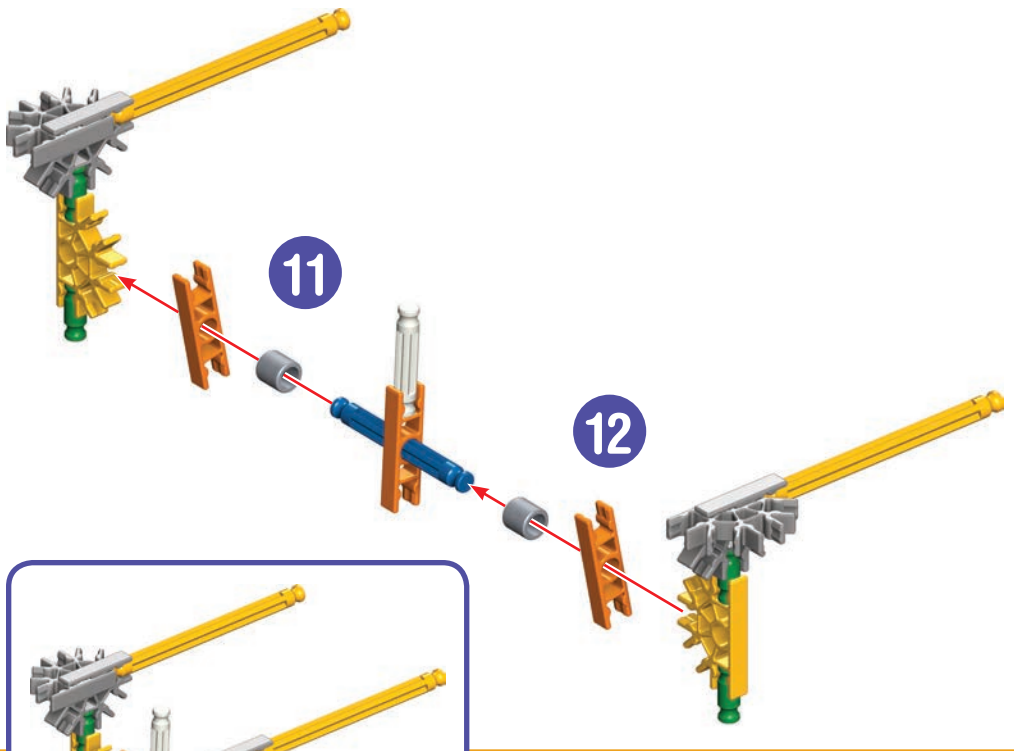
stadium 1  
fase 1



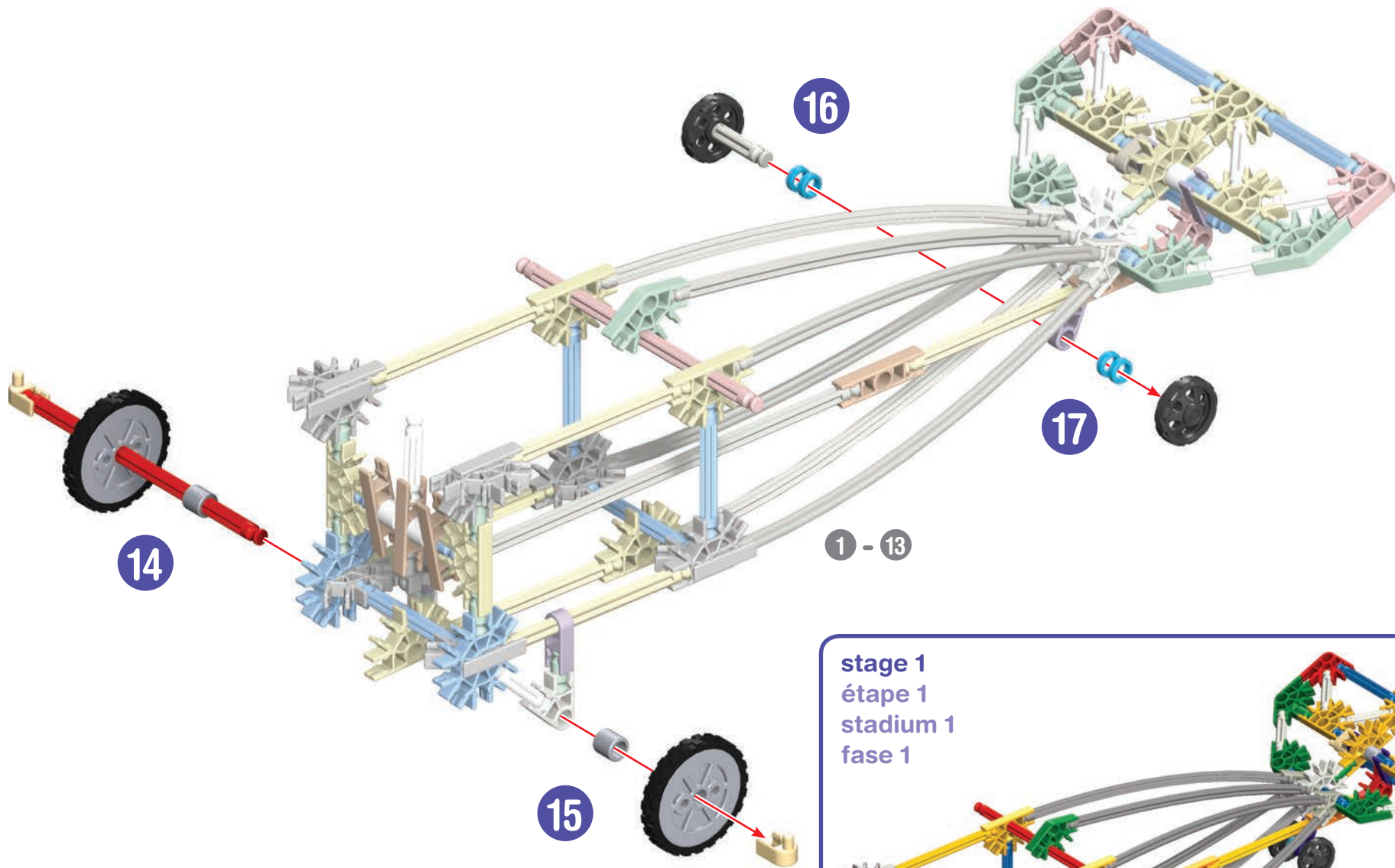












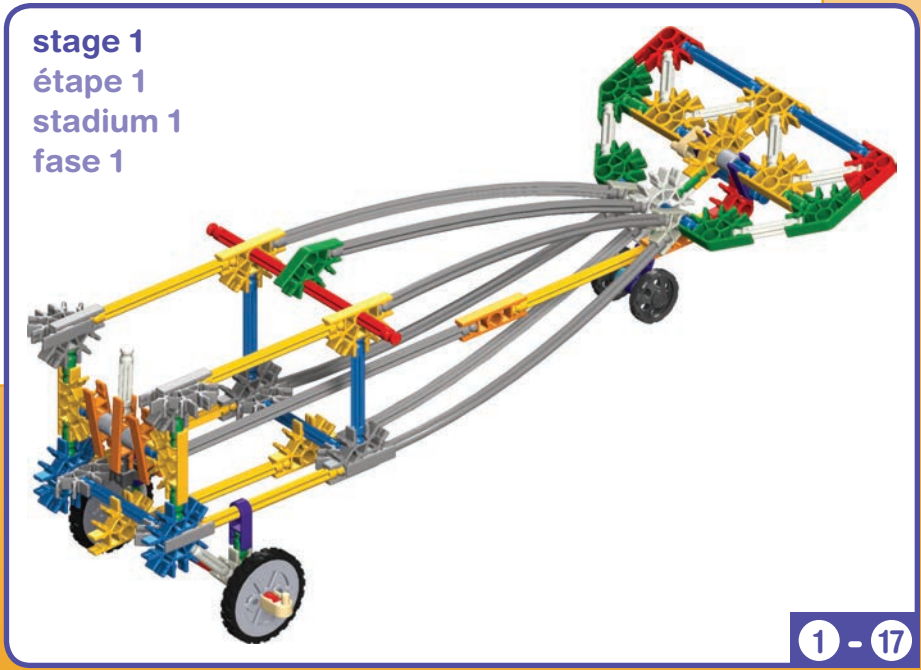
14

16

17

15

1 - 13

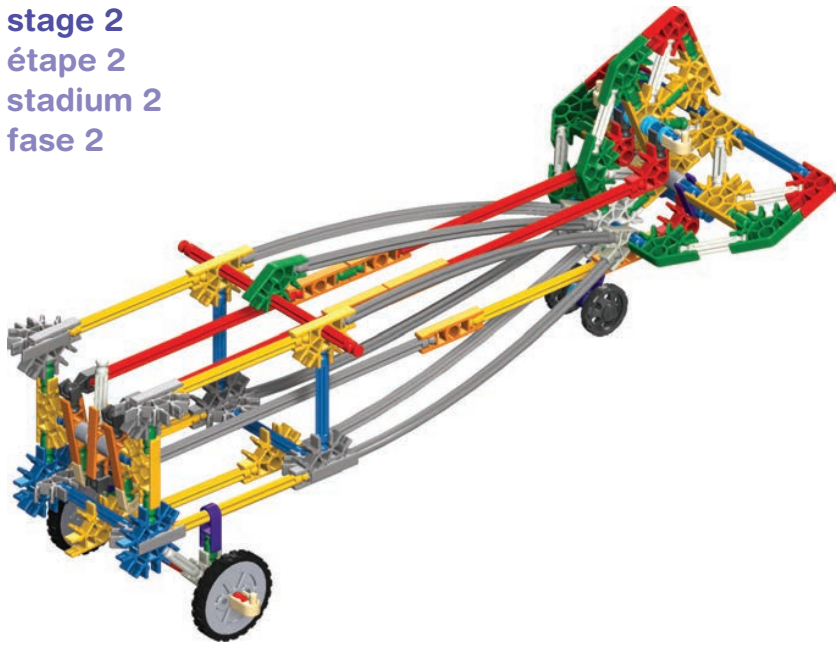


stage 1  
étape 1  
stadium 1  
fase 1

1 - 17

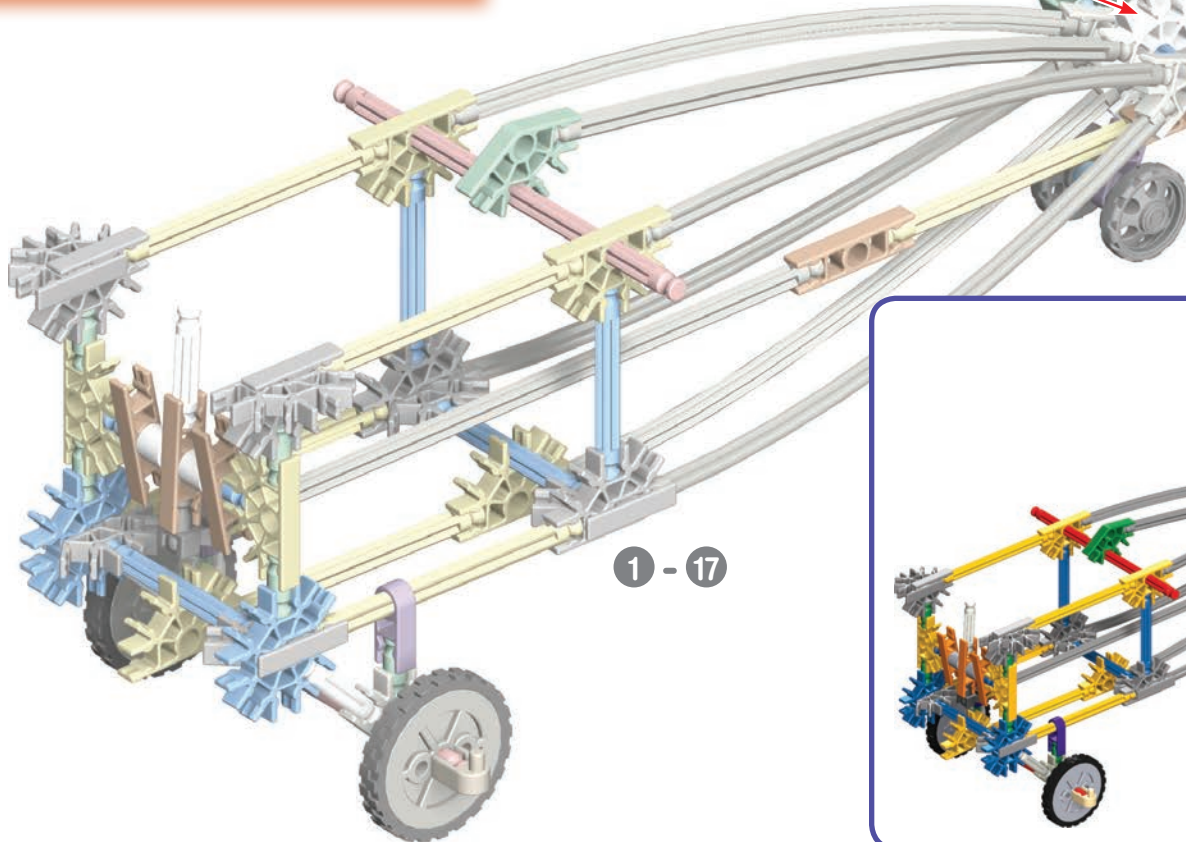
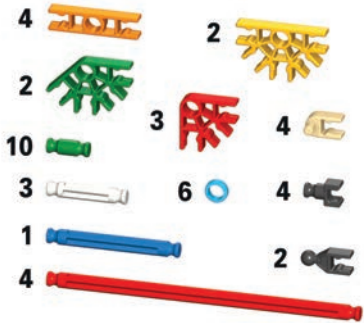


stage 2  
 étape 2  
 stadium 2  
 fase 2

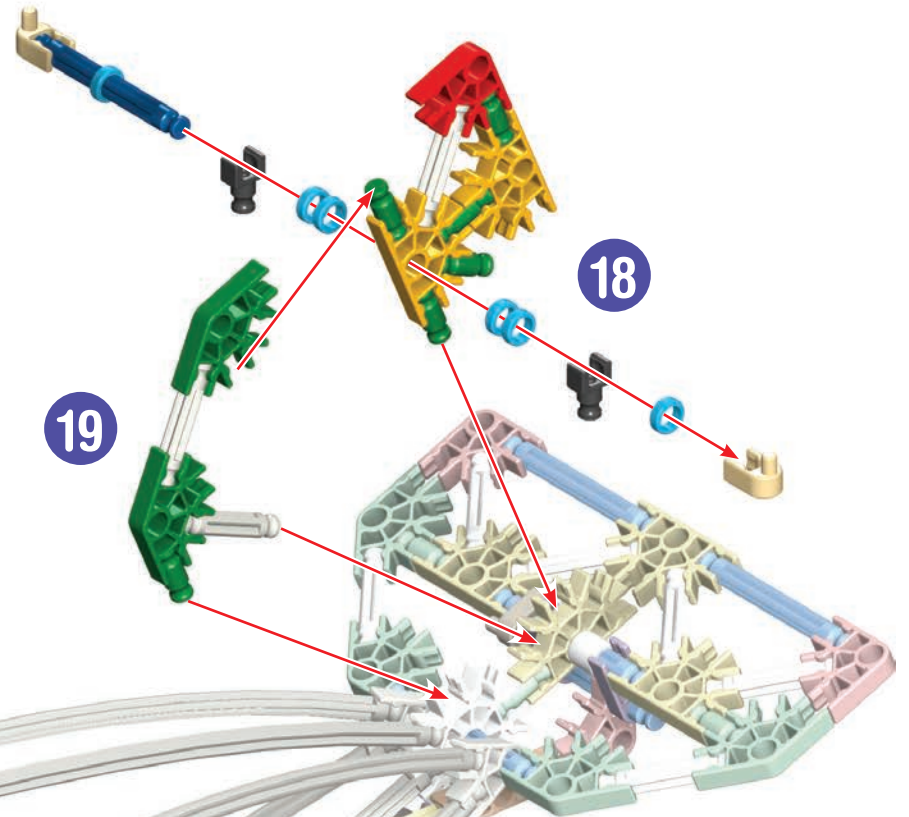


stage 2  
 étape 2

stadium 2  
 fase 2

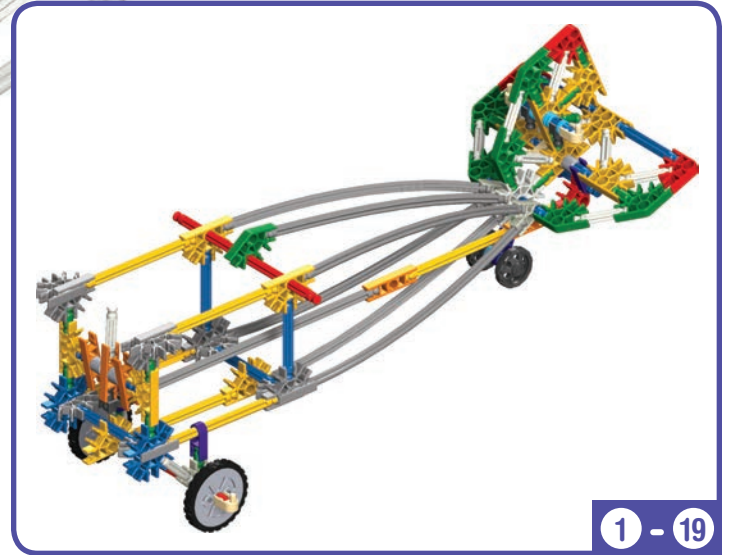


1 - 17

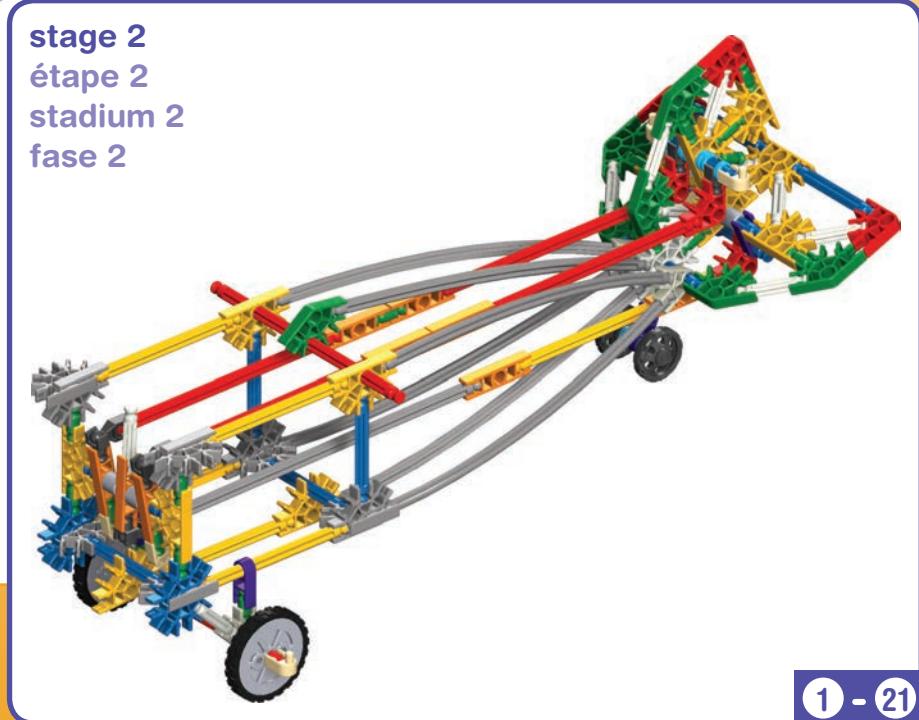
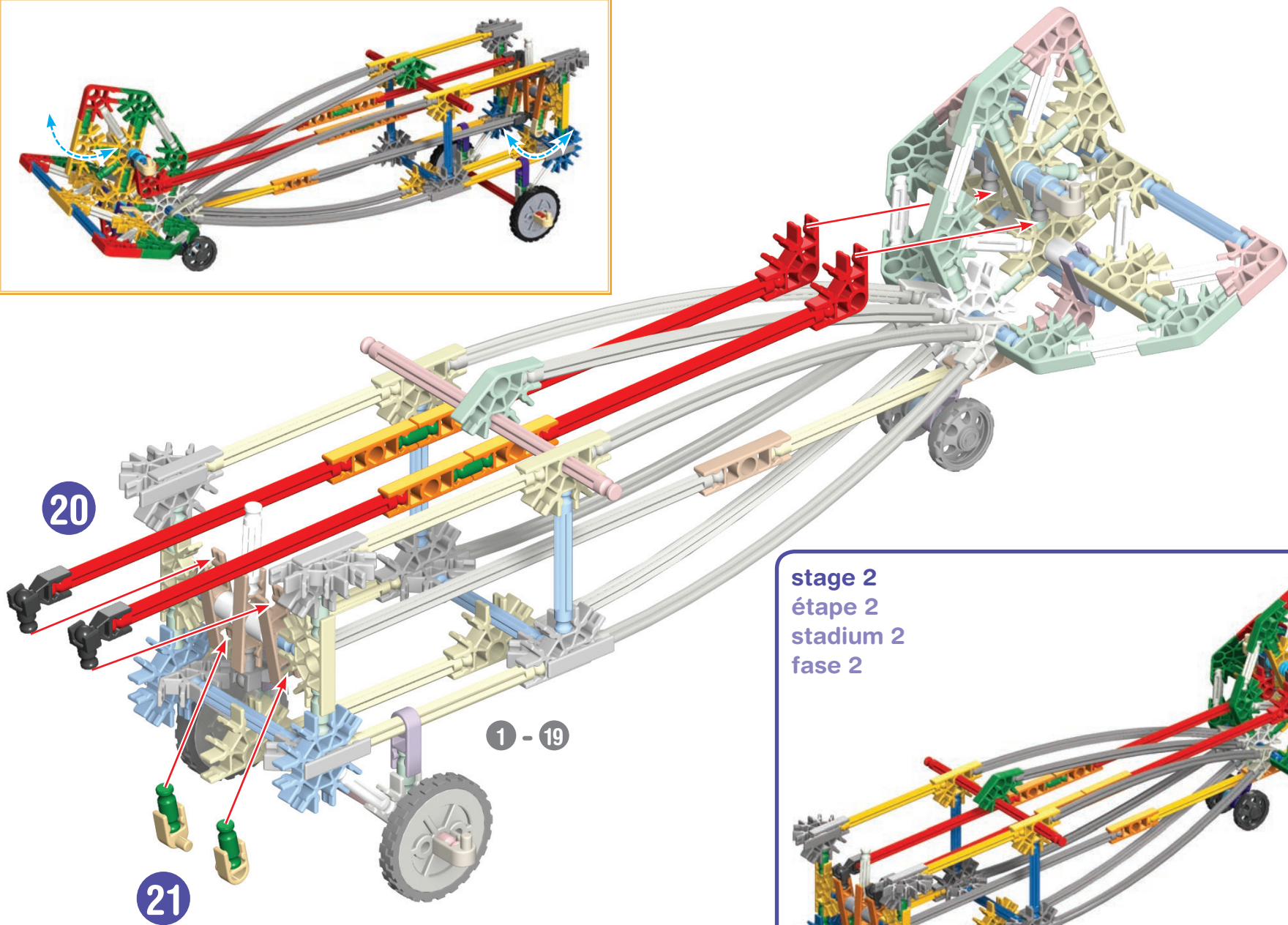
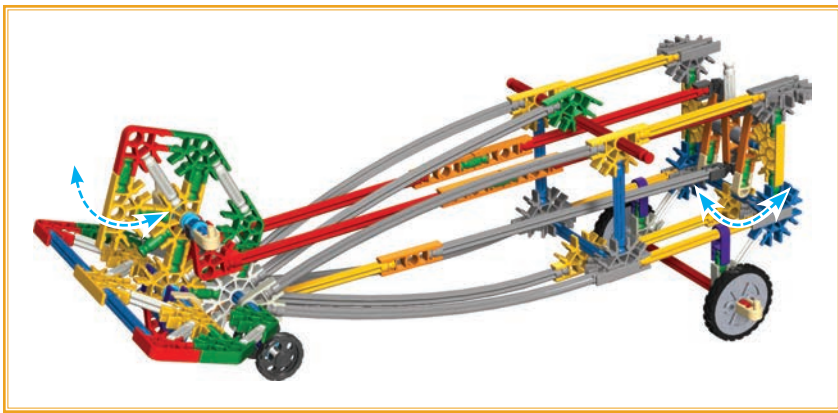


18

19



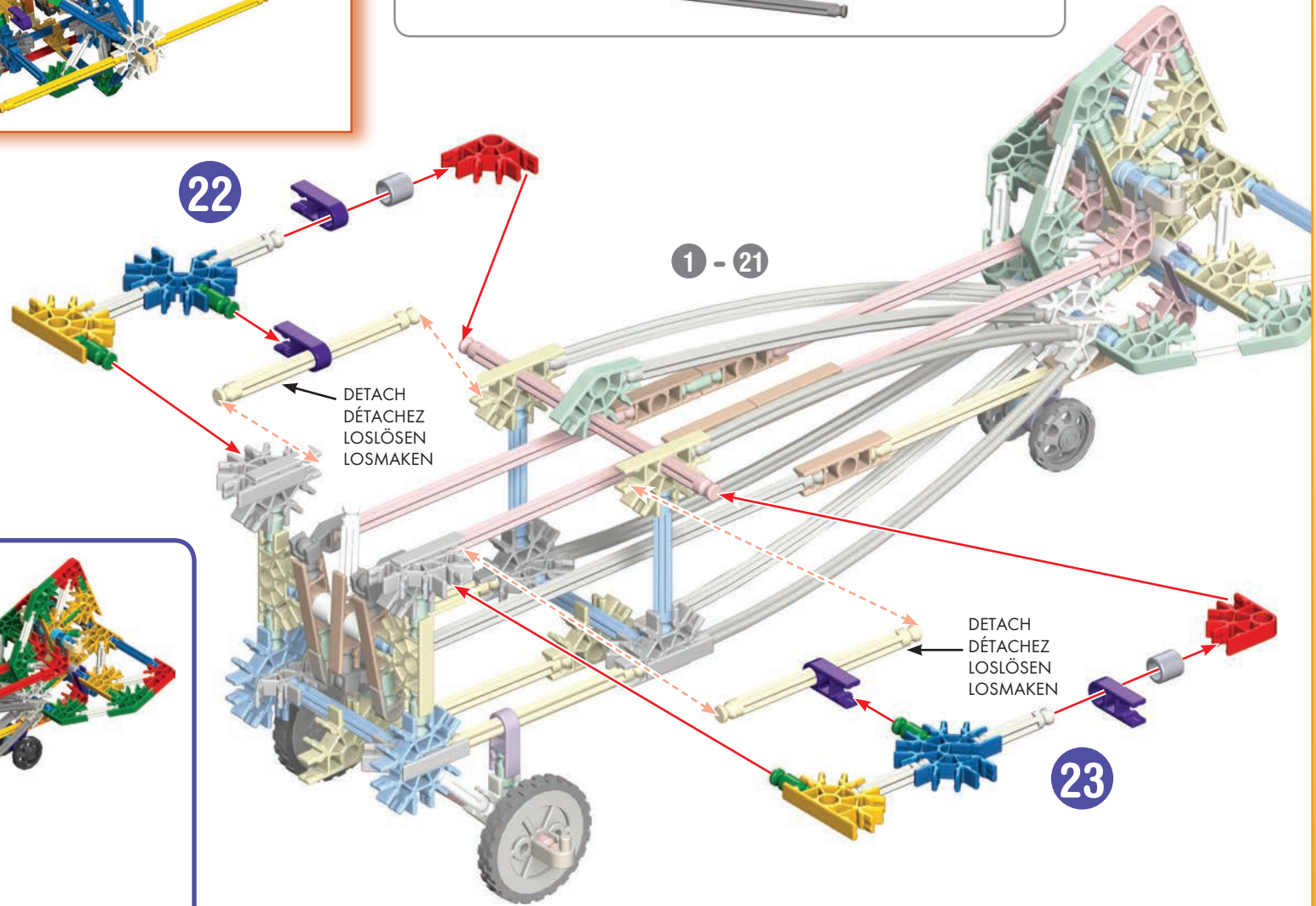
1 - 19



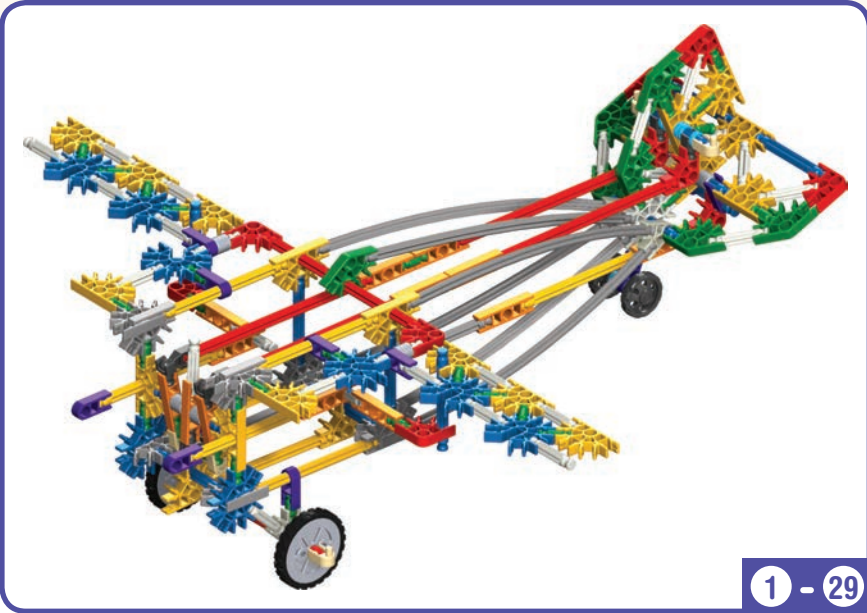
stage 3  
 étape 3  
 stadium 3  
 fase 3



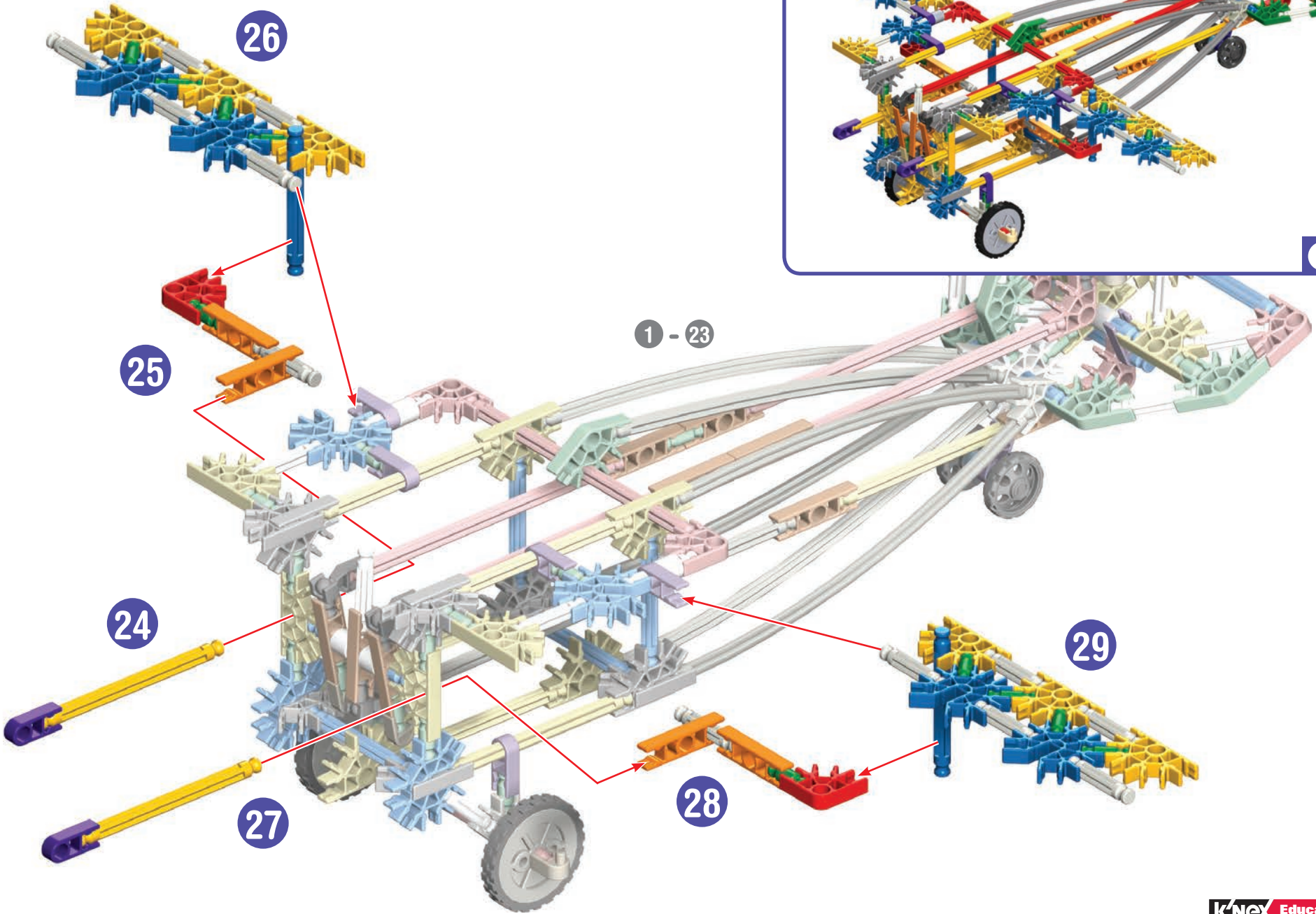
stage 3    étape 3    stadium 3    fase 3

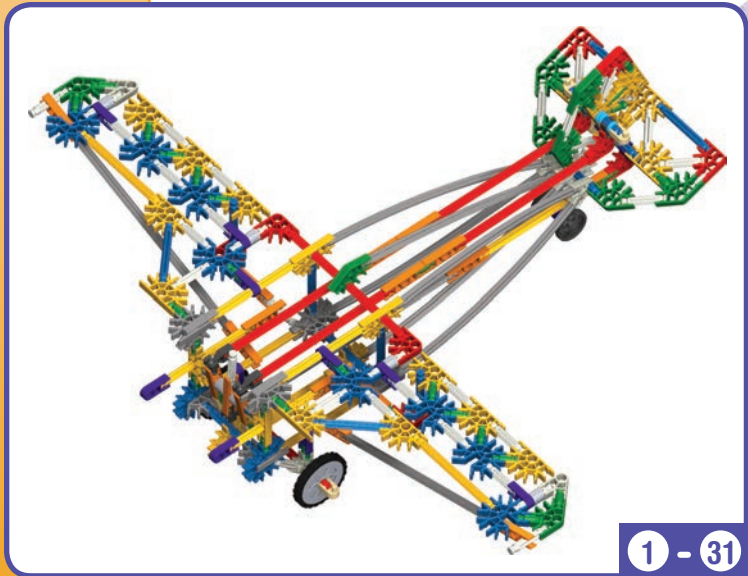
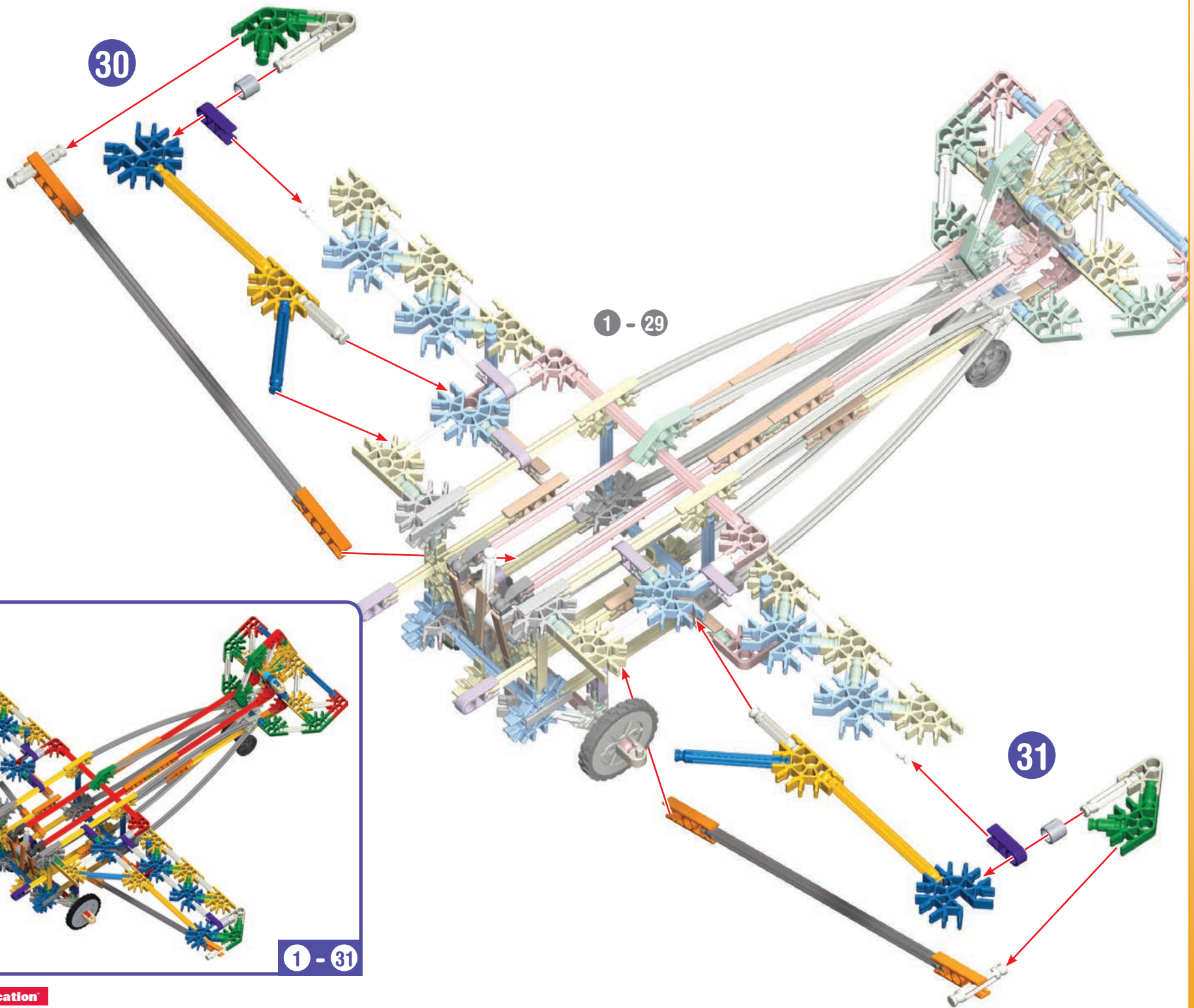


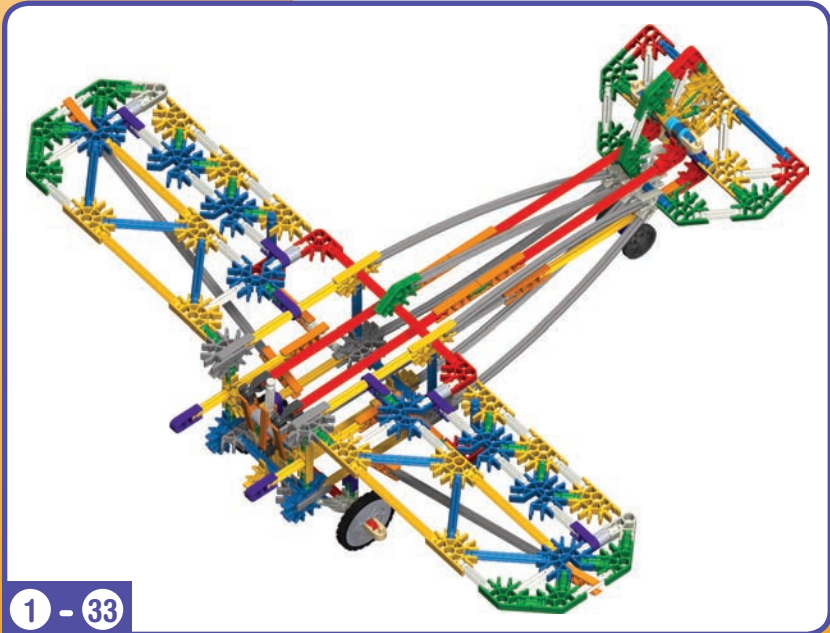
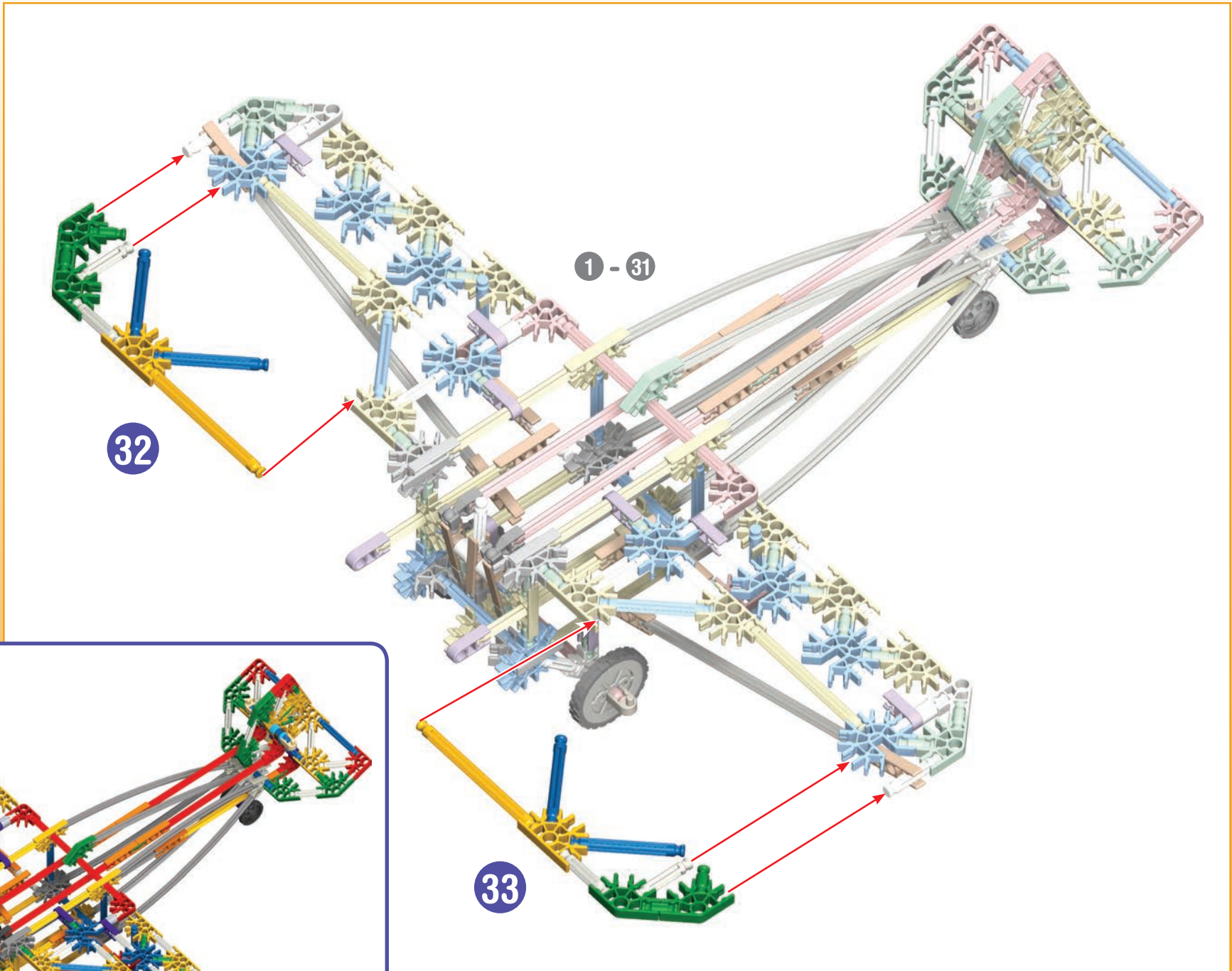
1 - 23

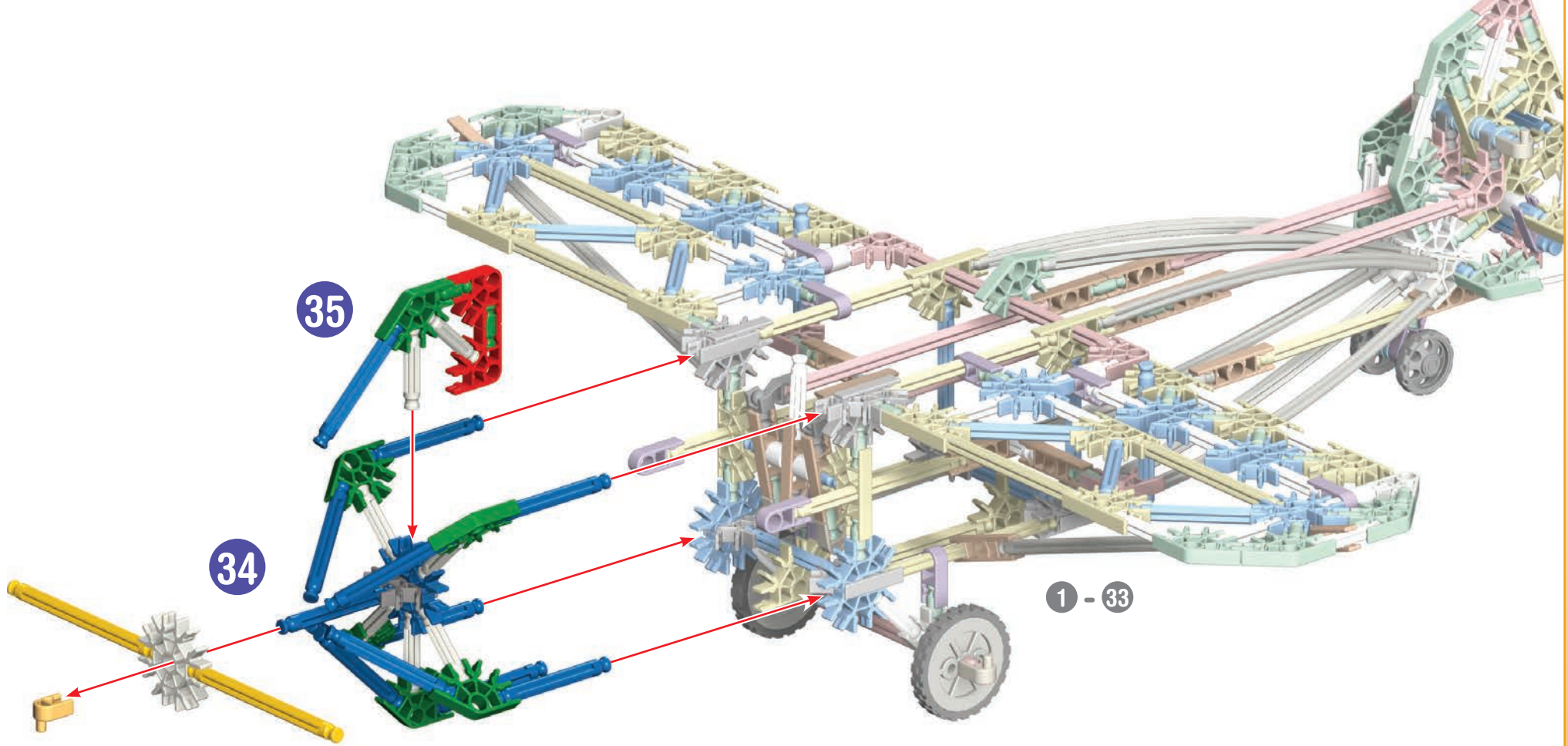


1 - 29









stage 3  
étape 3

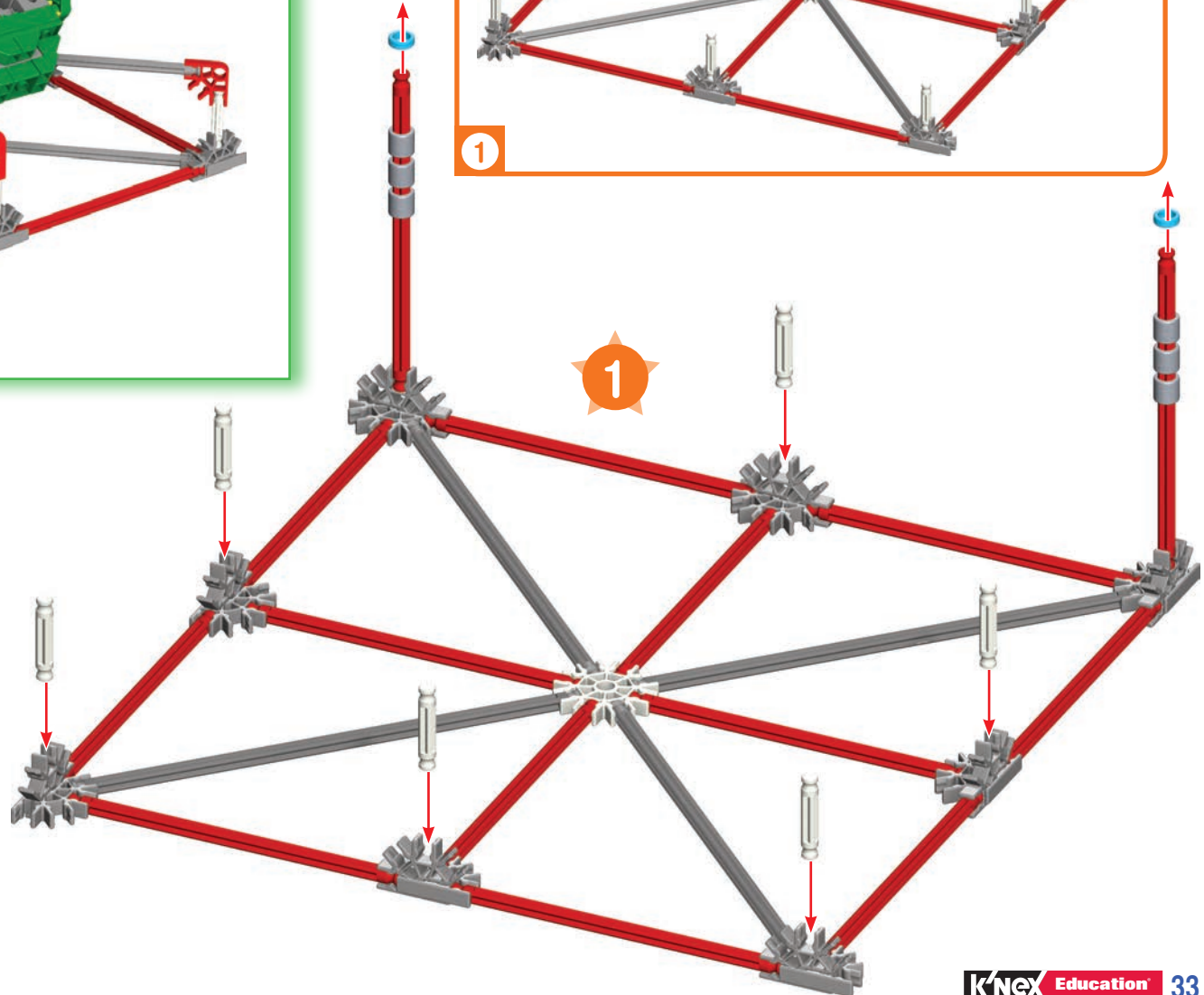
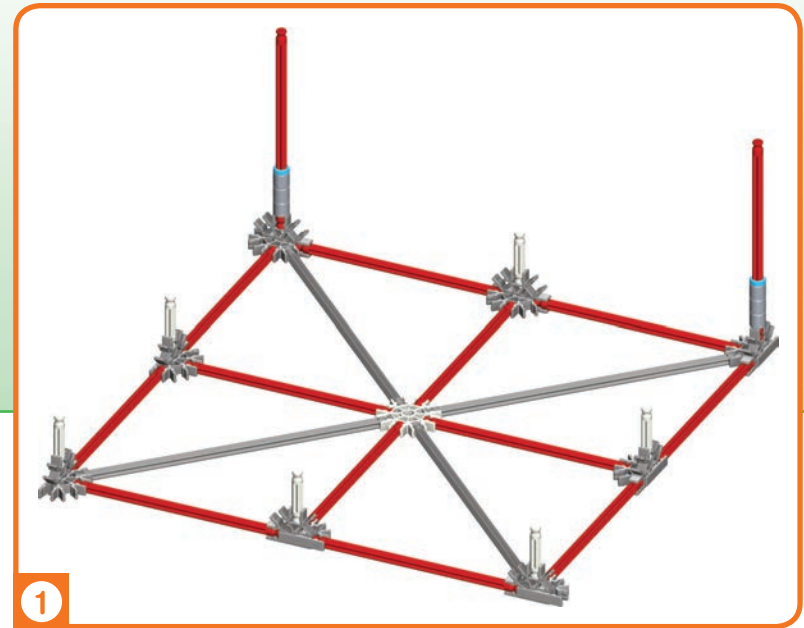
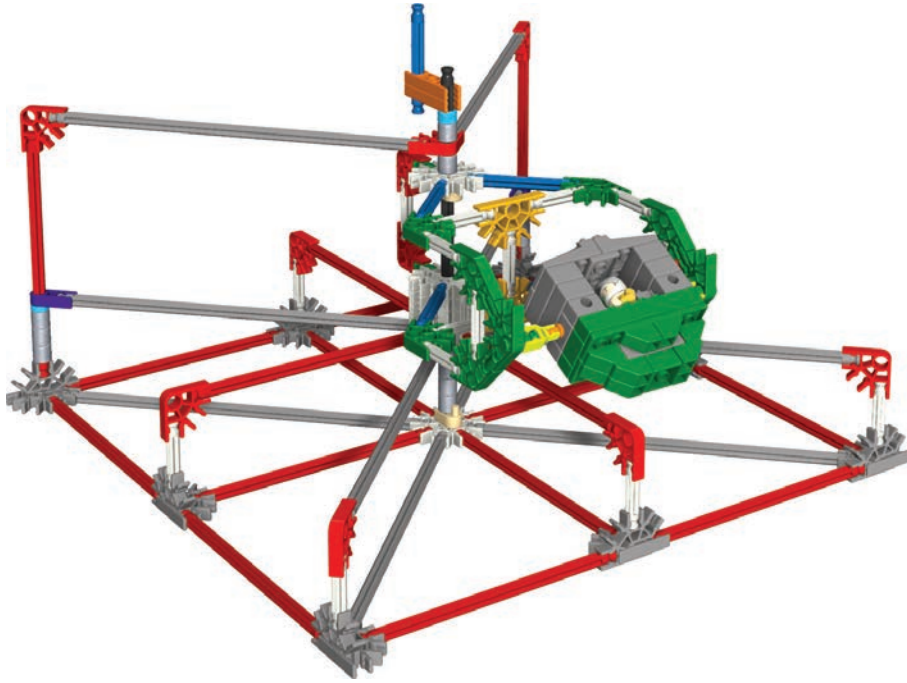
stadium 3  
fase 3



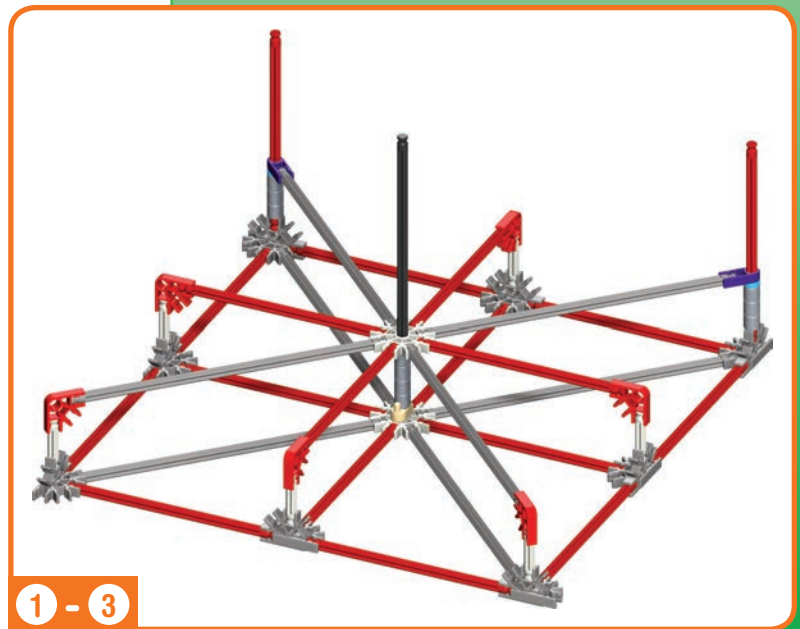
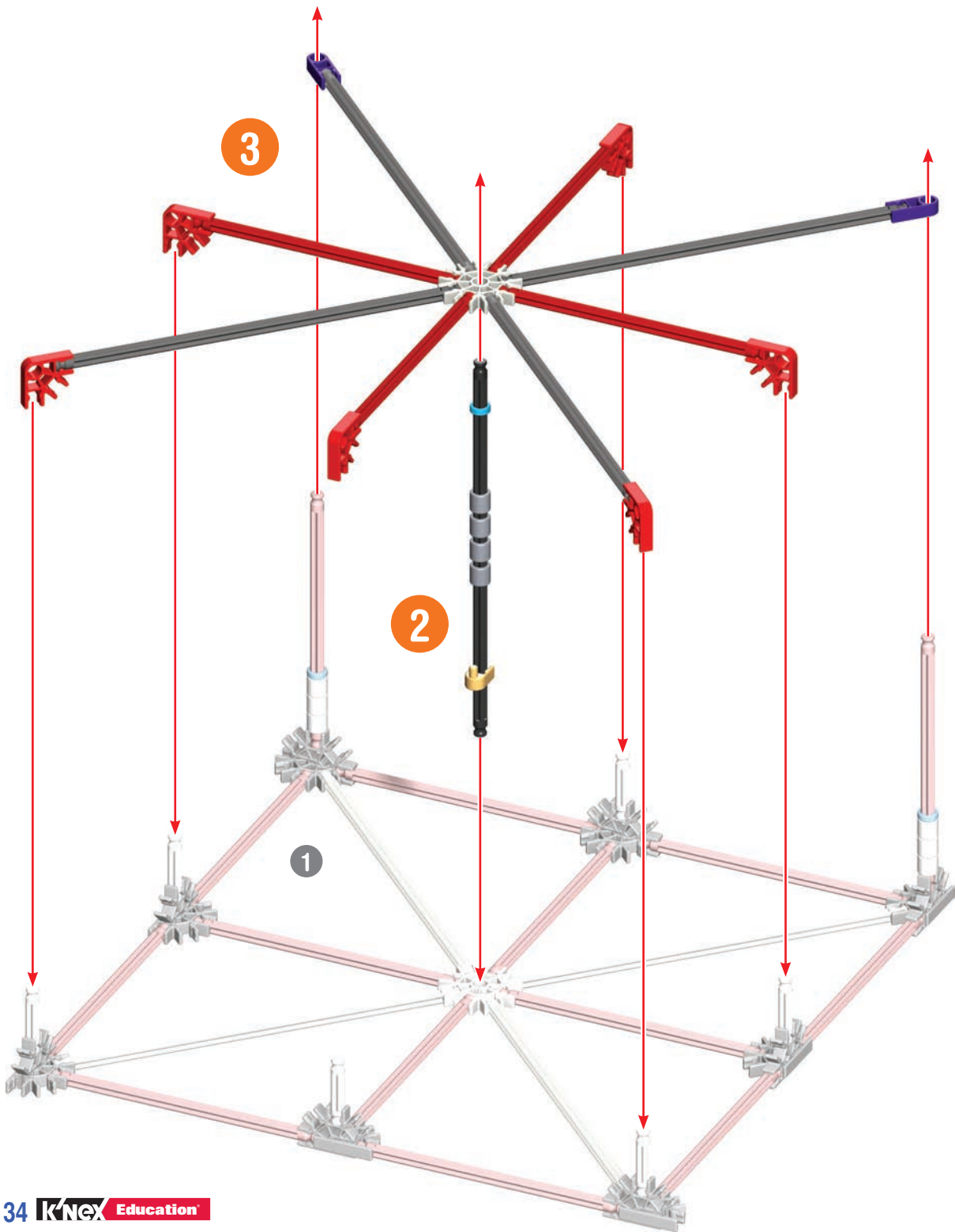


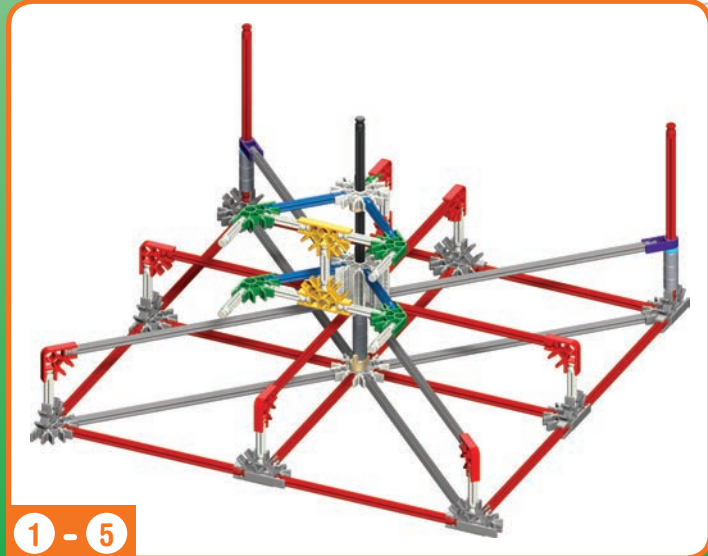
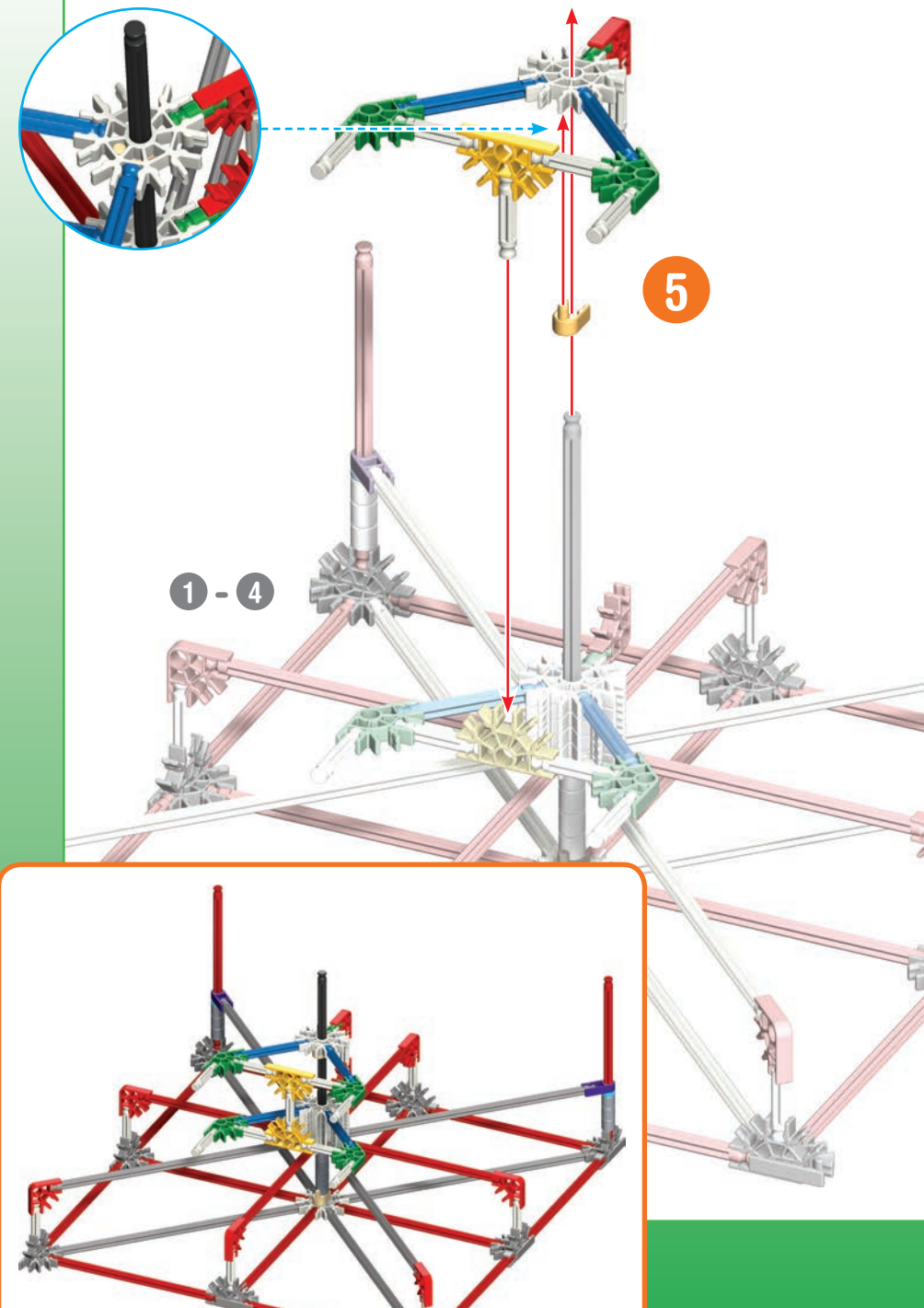
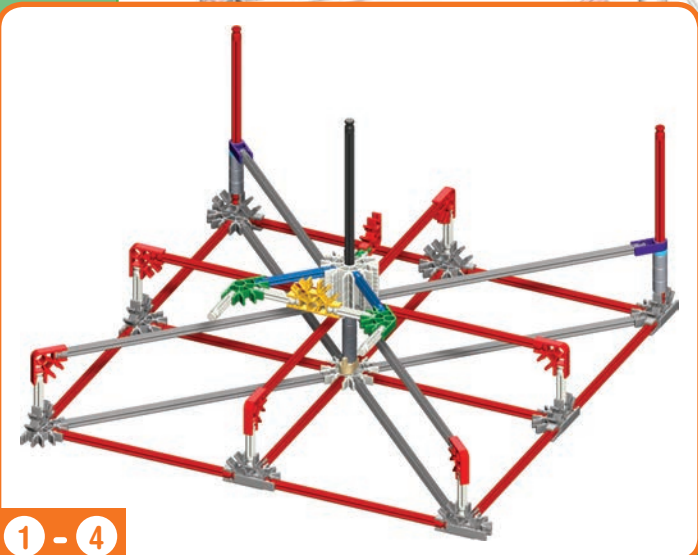
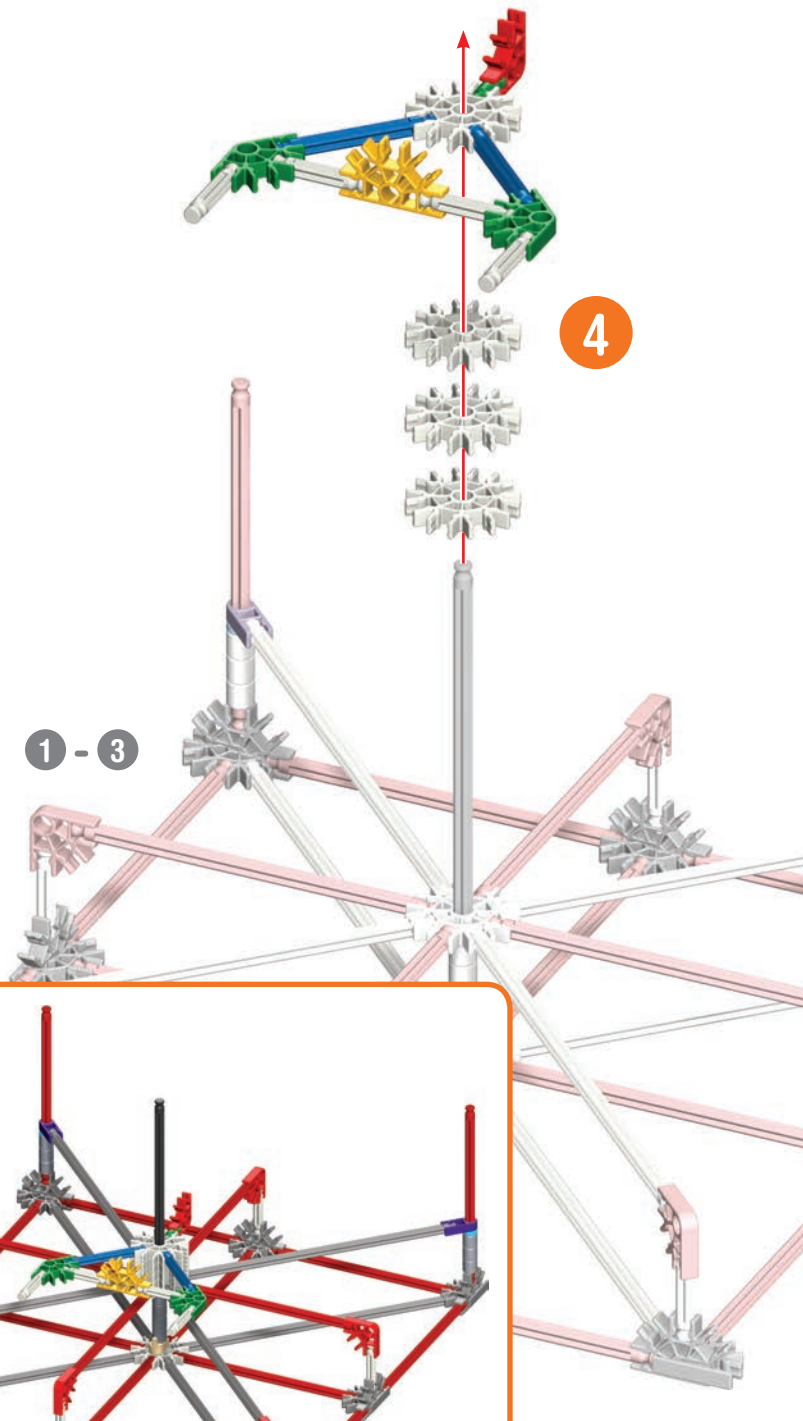
Centrifuge  
Centrifugeuse

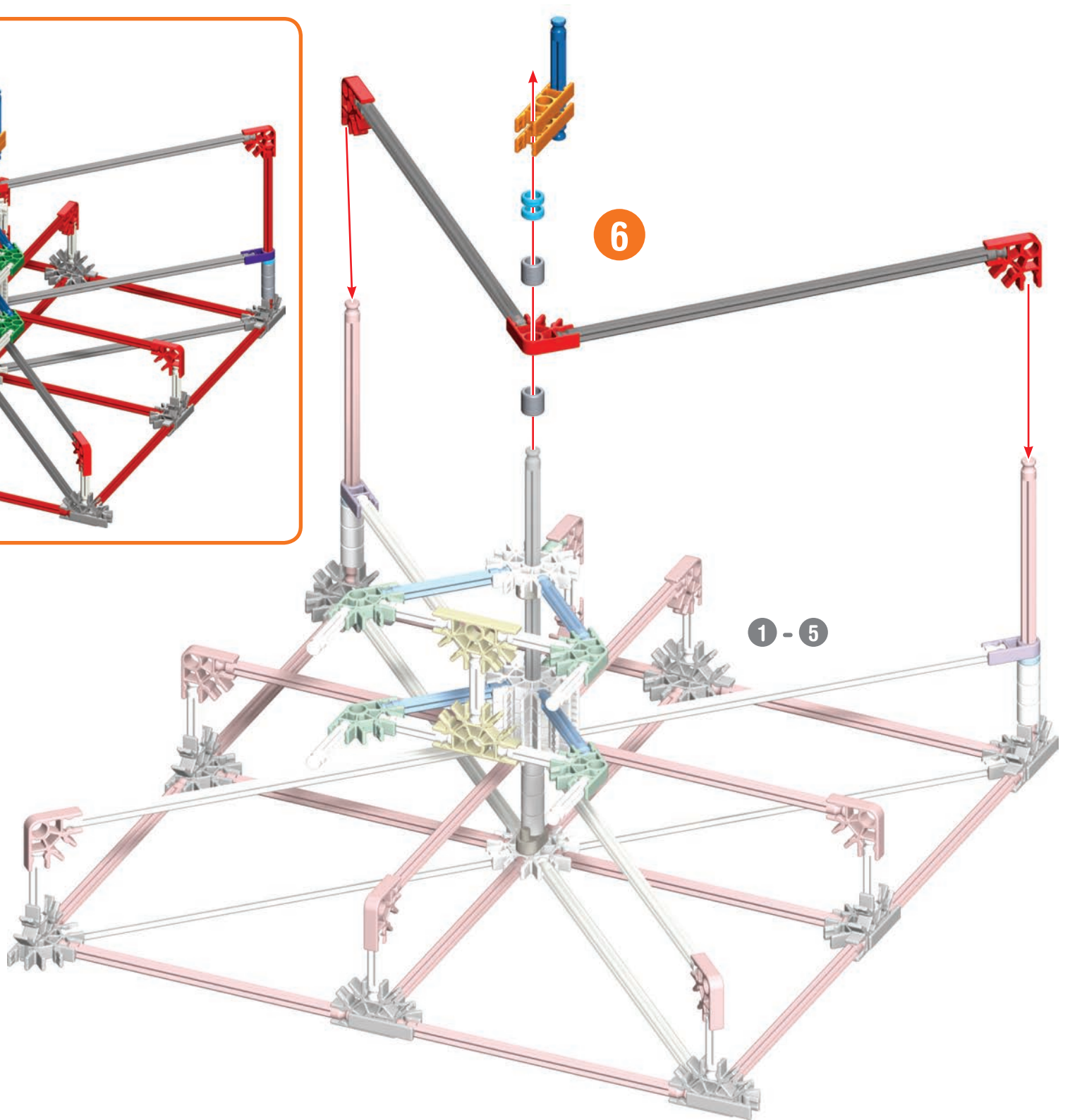
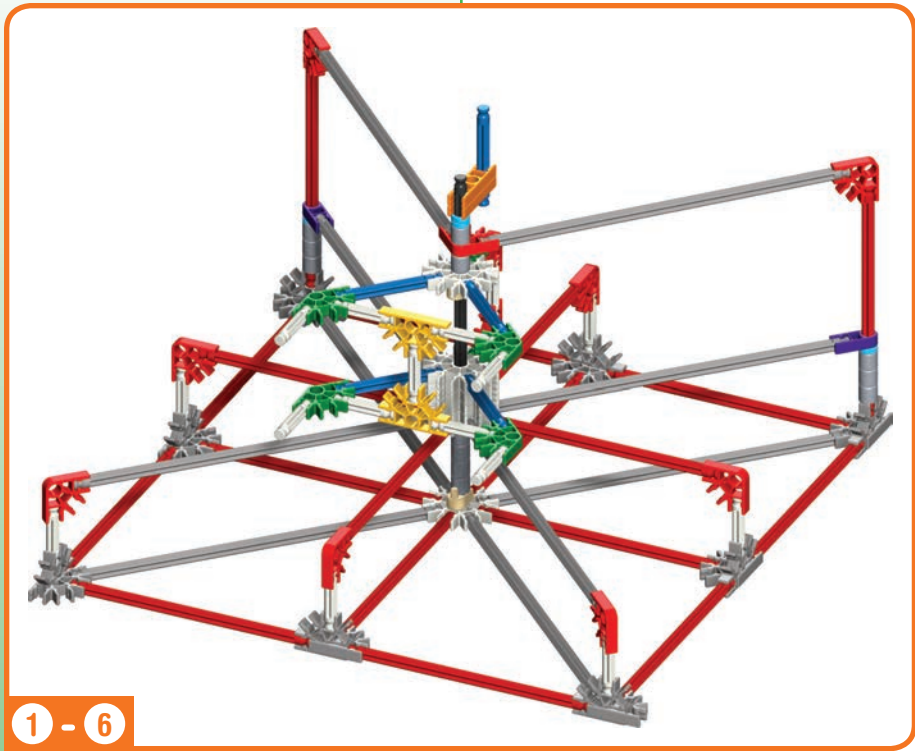
Zentrifuge  
Centrifuge

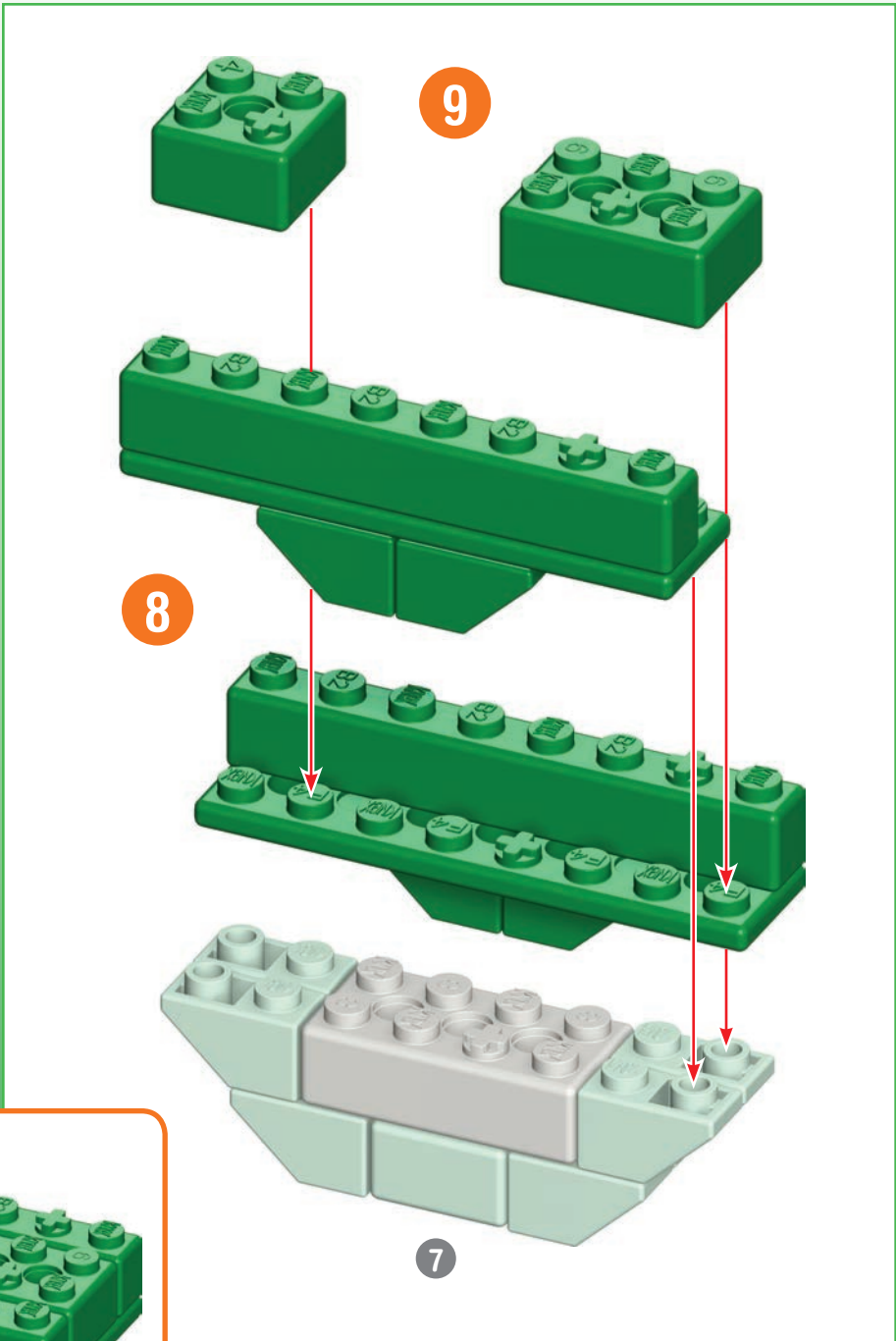
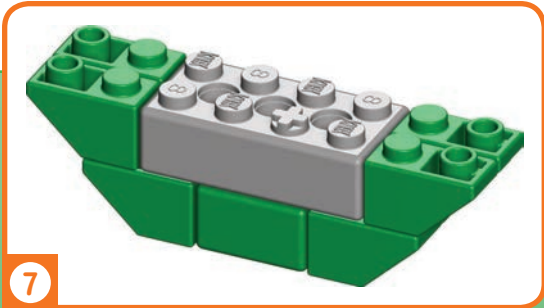
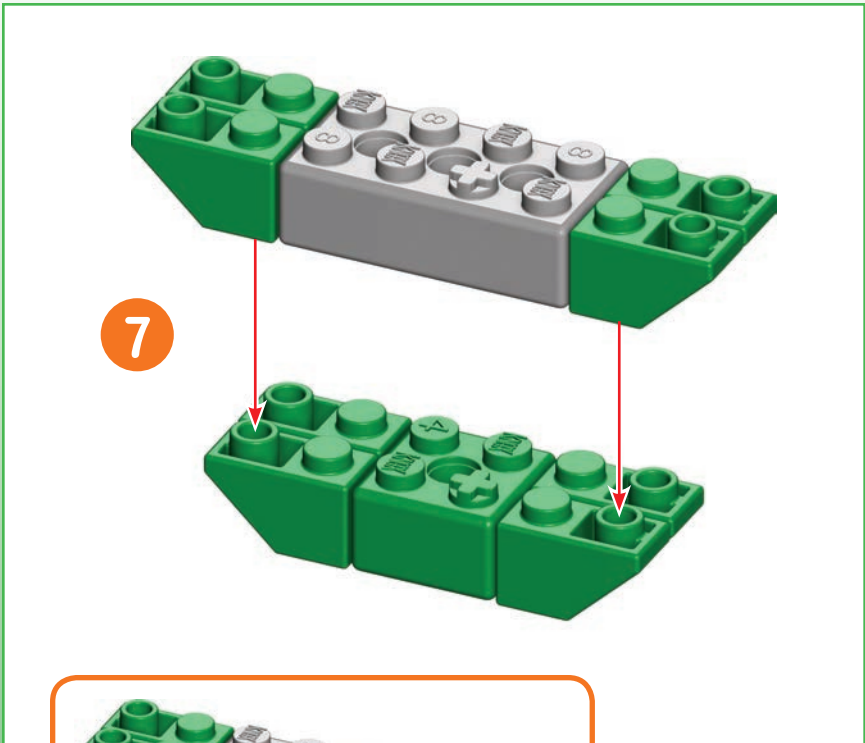


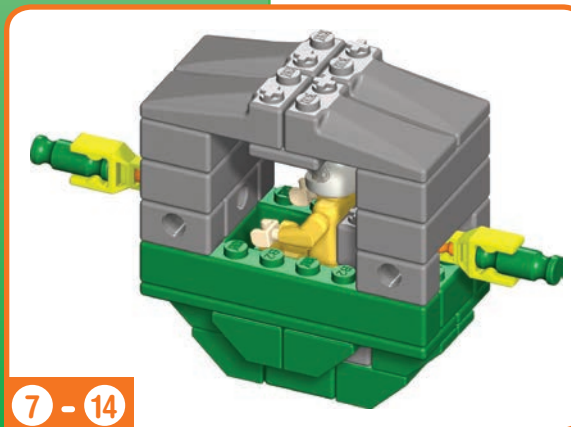
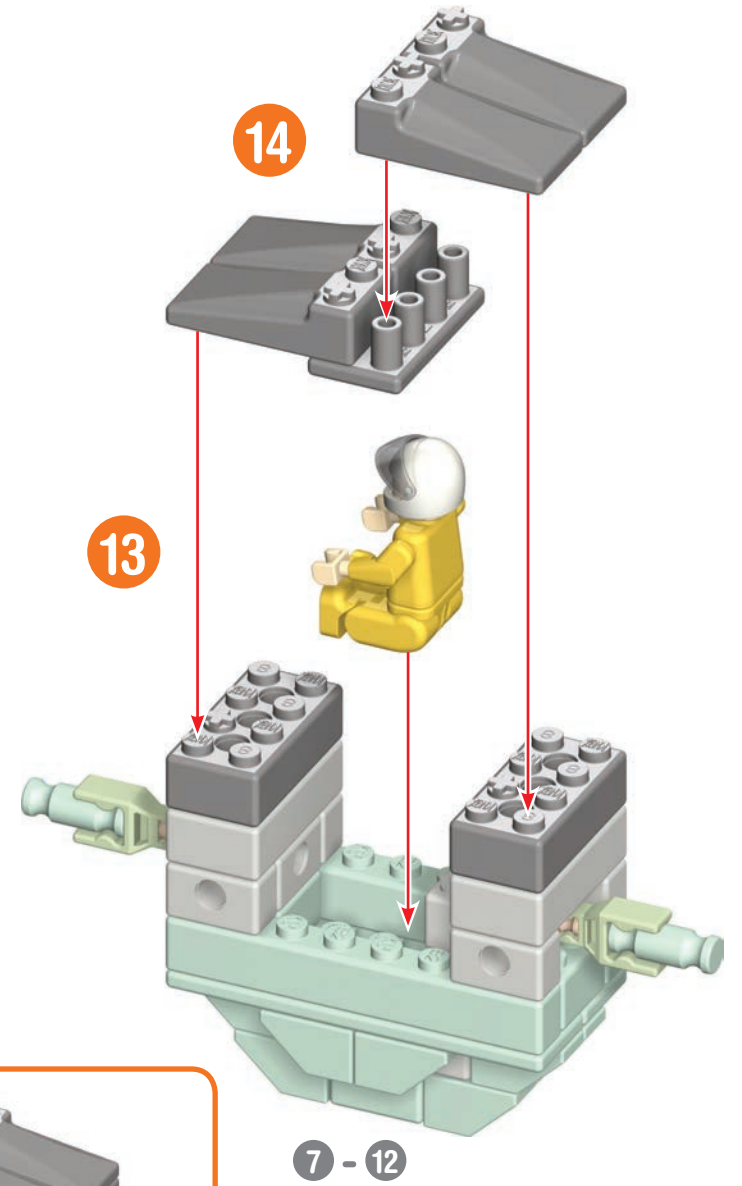
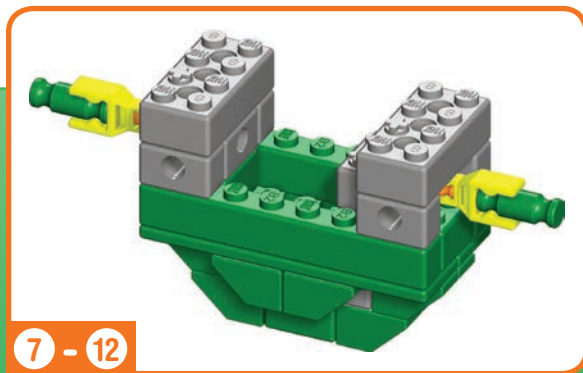
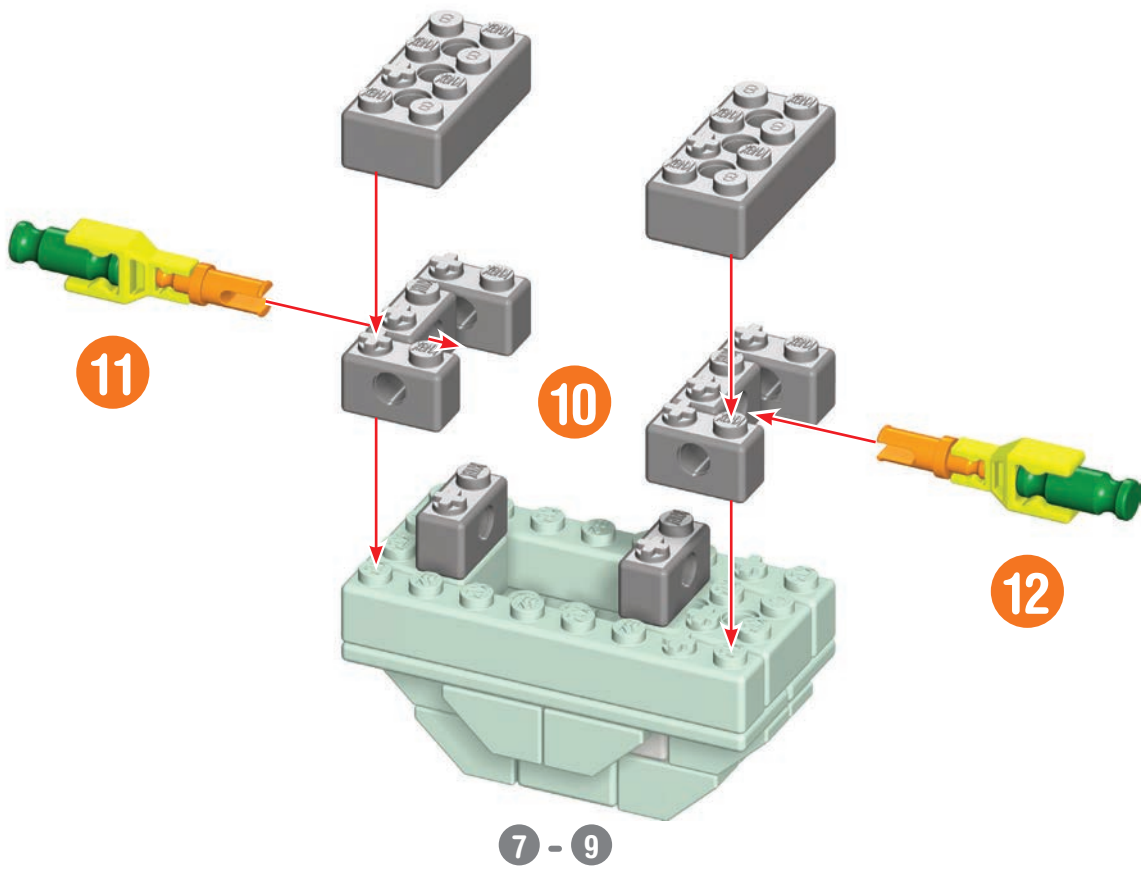
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|----|--|----|--|----|--|---|--|
| 2  |  | 2  |  | 11 |  | 2 |  |
| 10 |  | 16 |  | 7  |  | 2 |  |
| 2  |  | 5  |  | 12 |  | 1 |  |
| 8  |  | 8  |  | 5  |  | 1 |  |
| 18 |  | 4  |  | 1  |  | 1 |  |
| 5  |  | 12 |  | 1  |  | 1 |  |
| 18 |  |    |  |    |  | 1 |  |
| 10 |  |    |  |    |  |   |  |
| 1  |  |    |  |    |  |   |  |
| 2  |  | 2  |  | 2  |  |   |  |

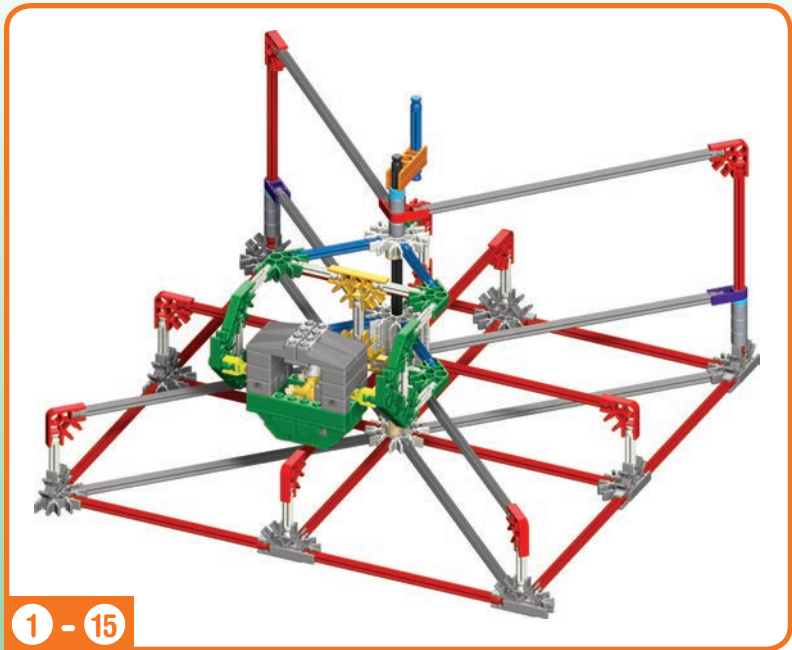




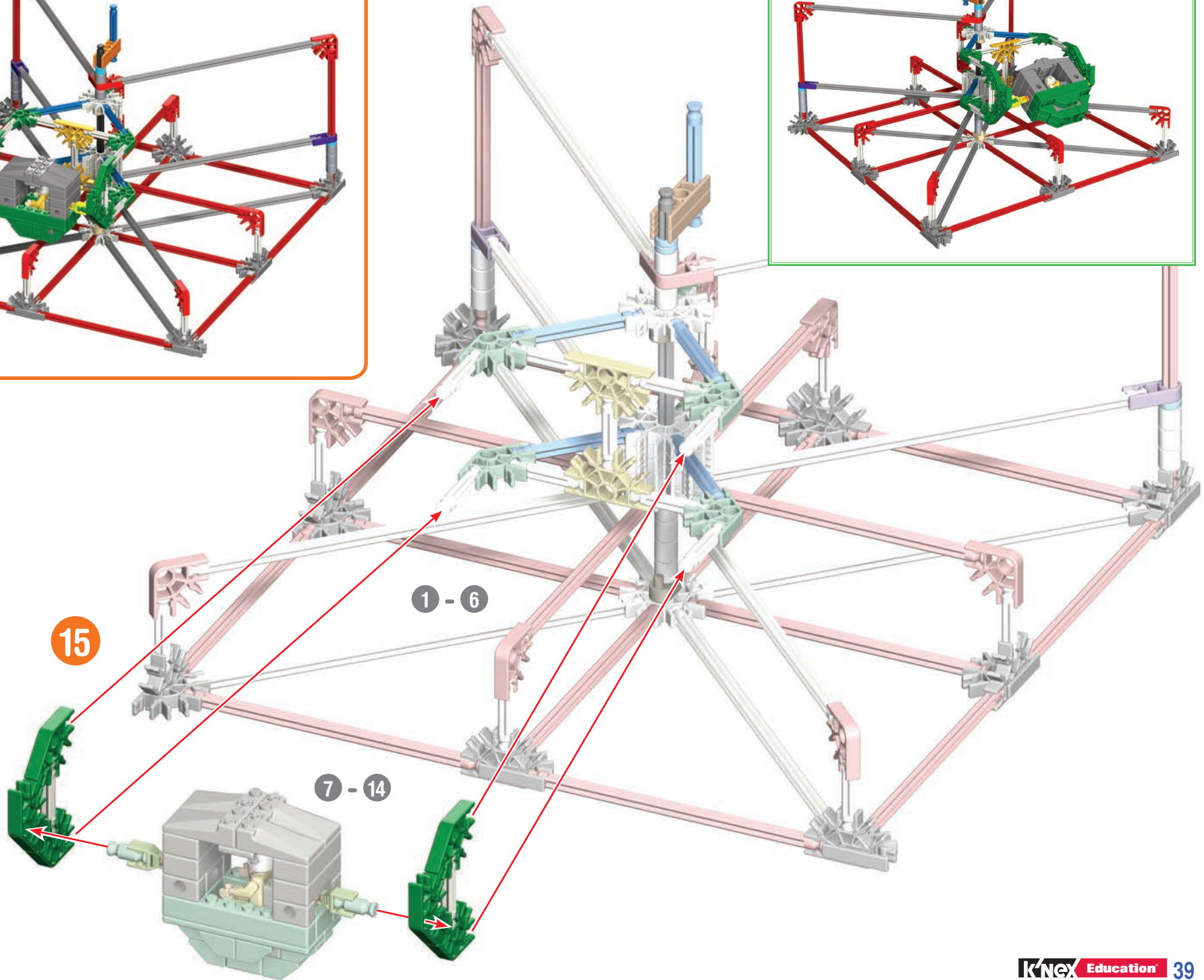
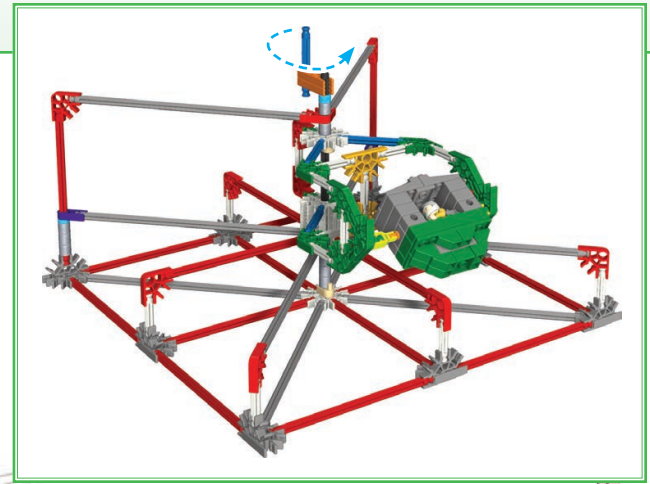








1 - 15

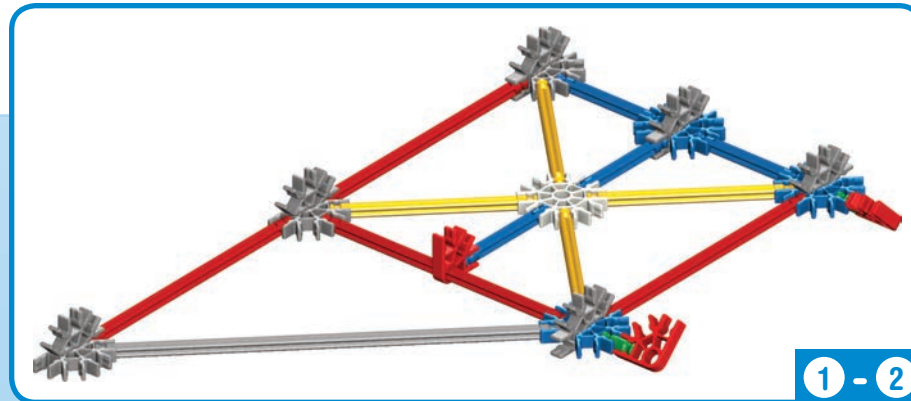
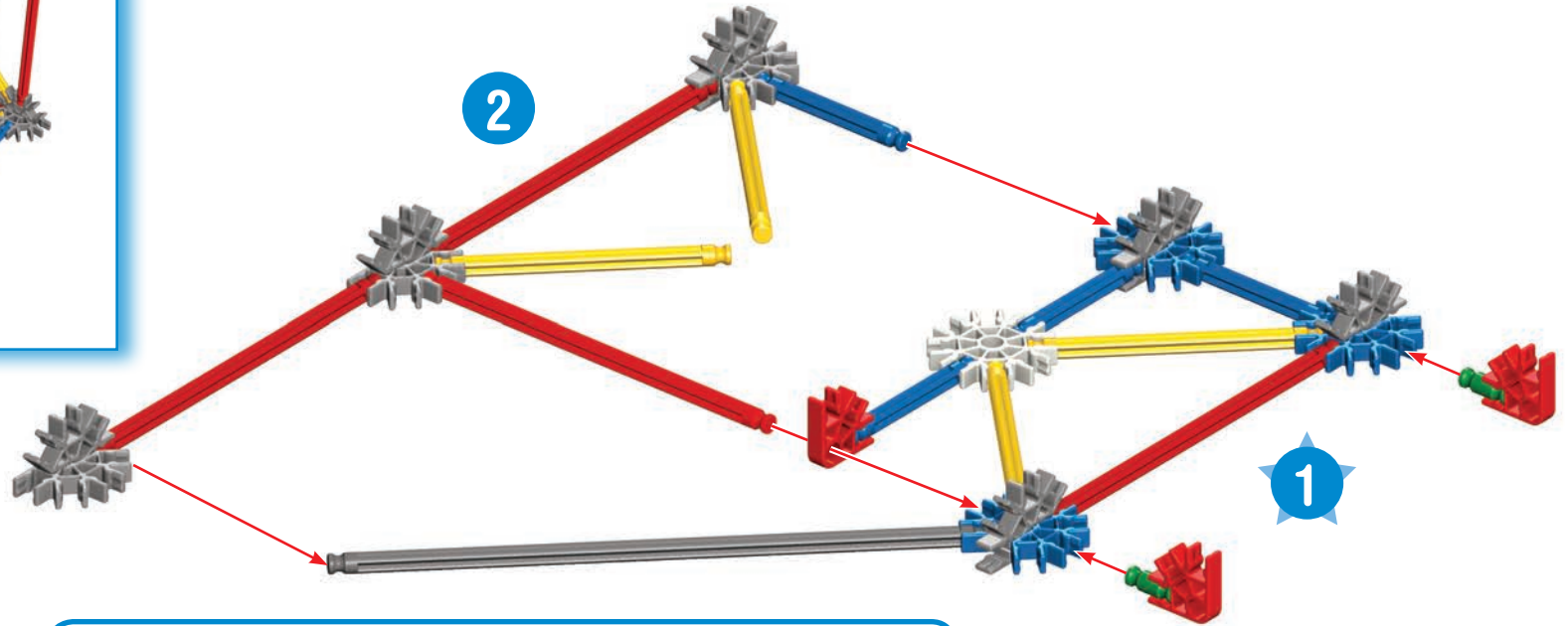


1 - 6

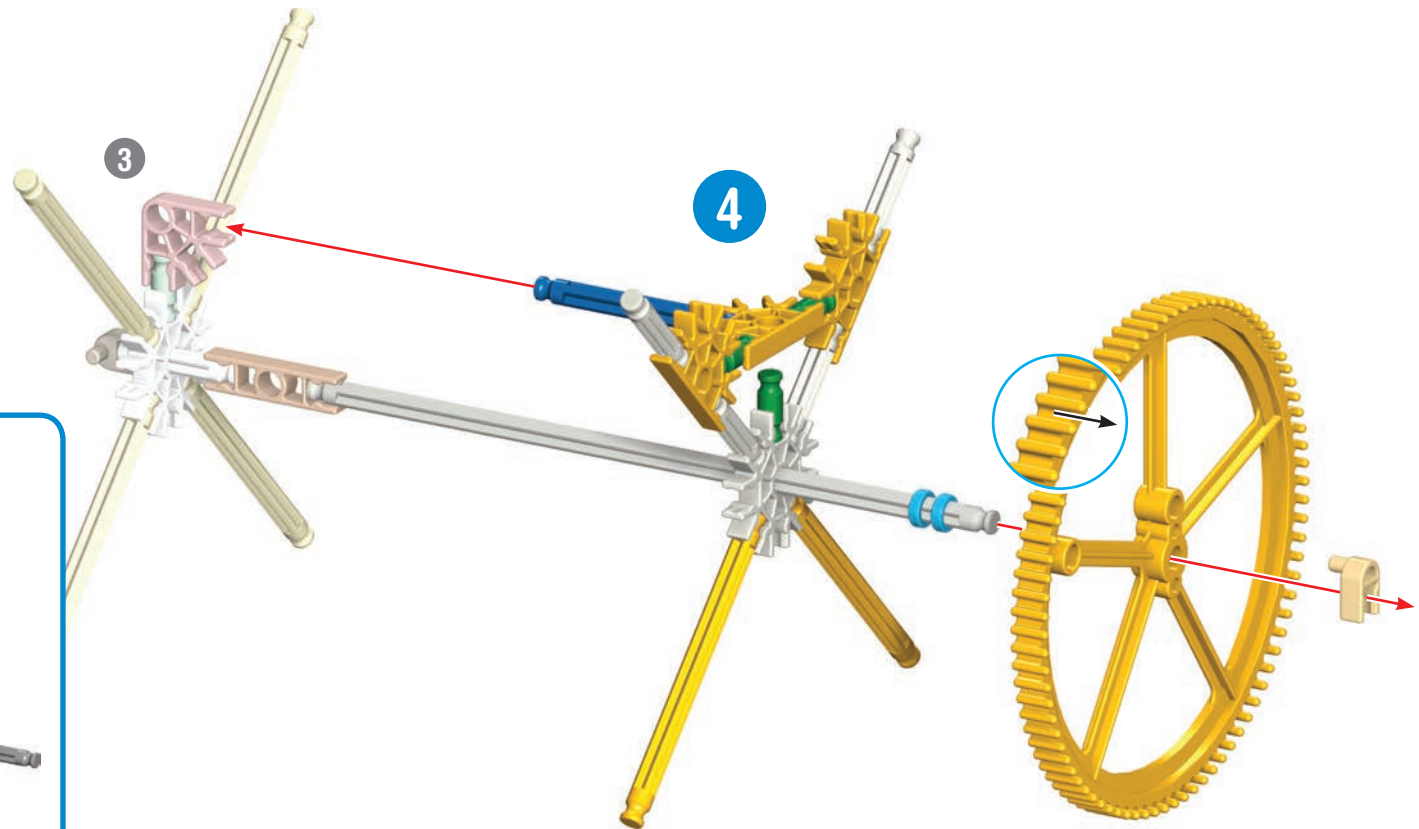
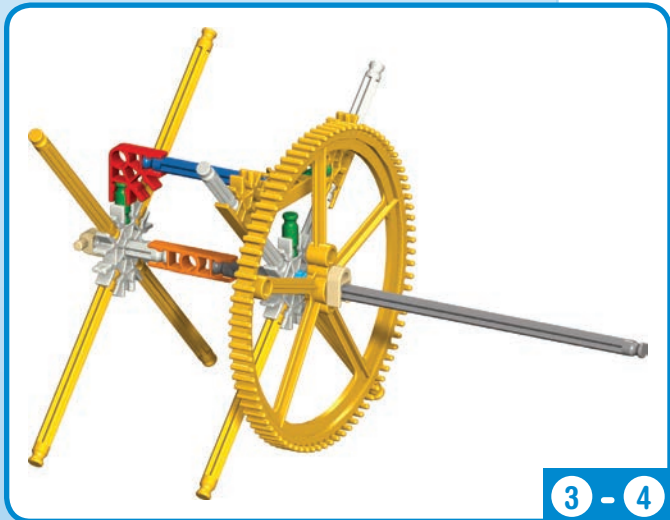
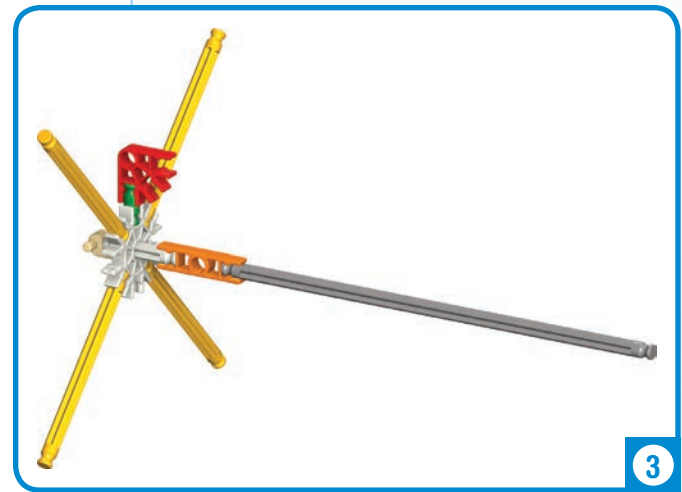
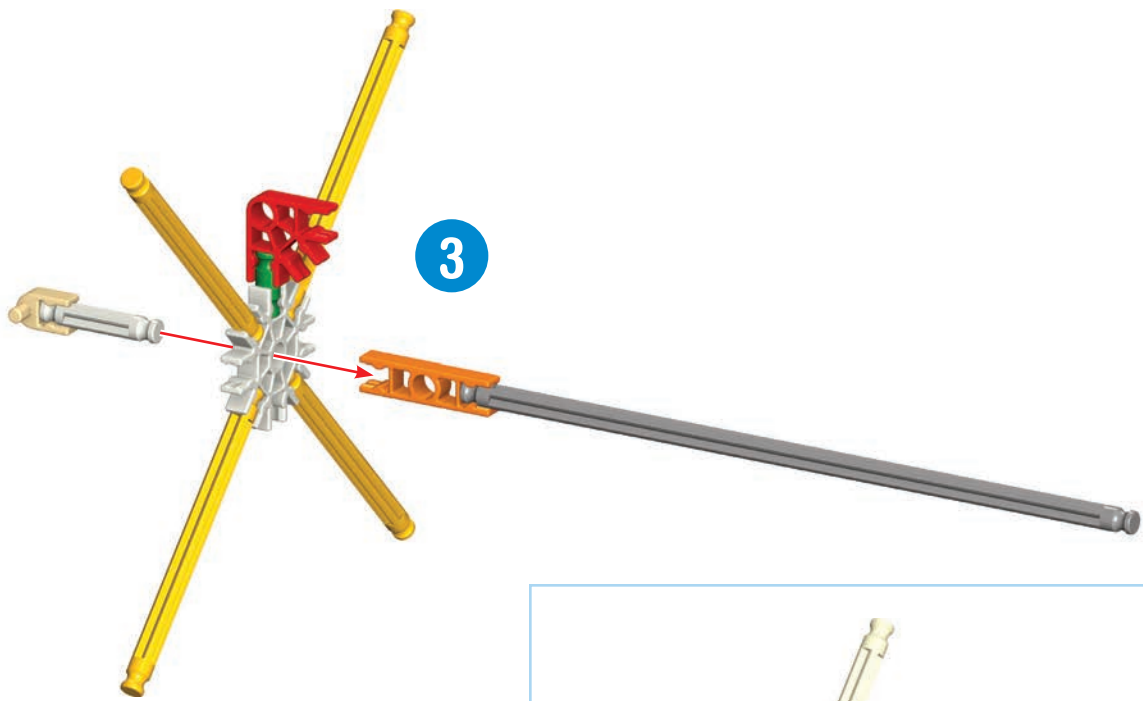
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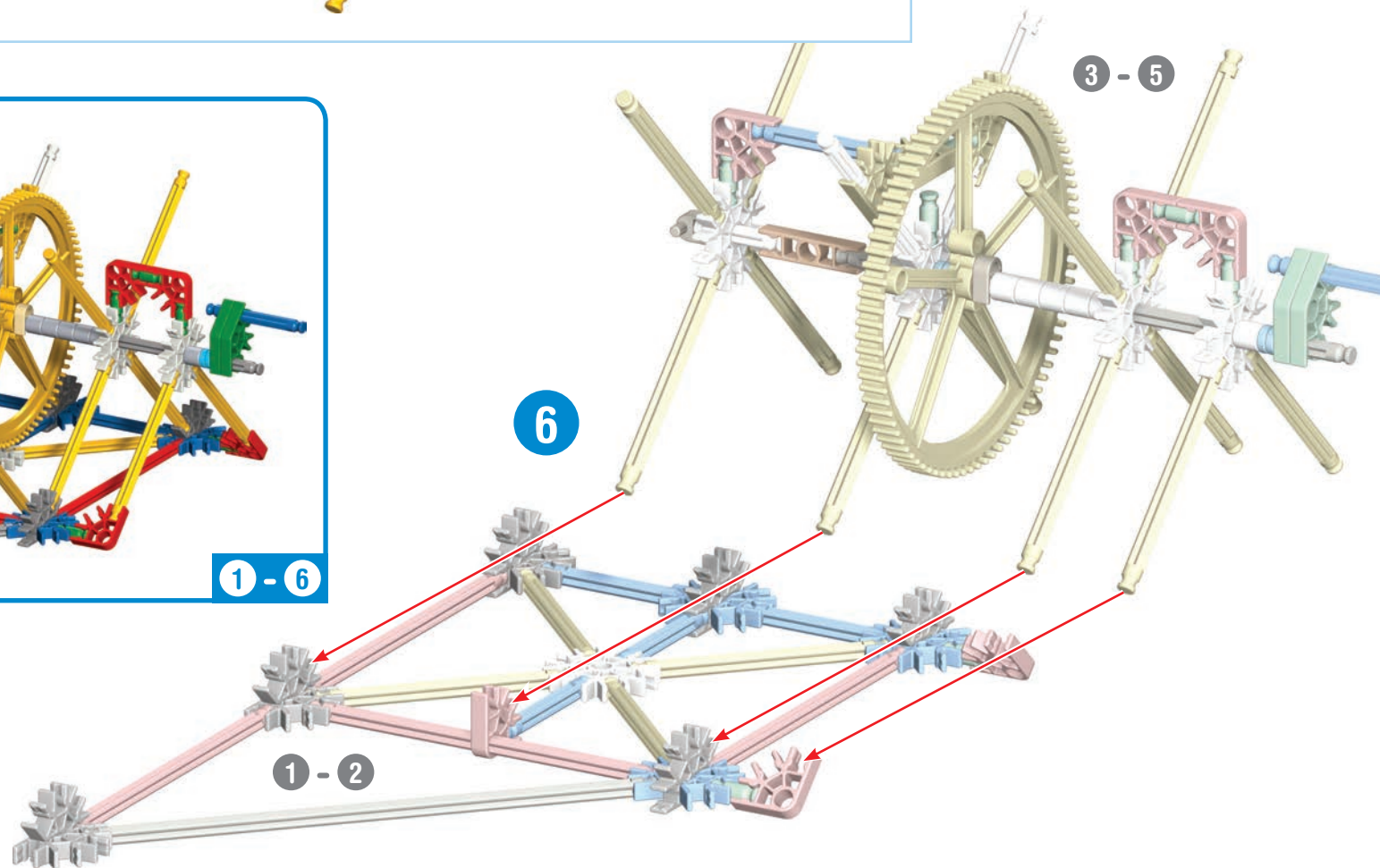
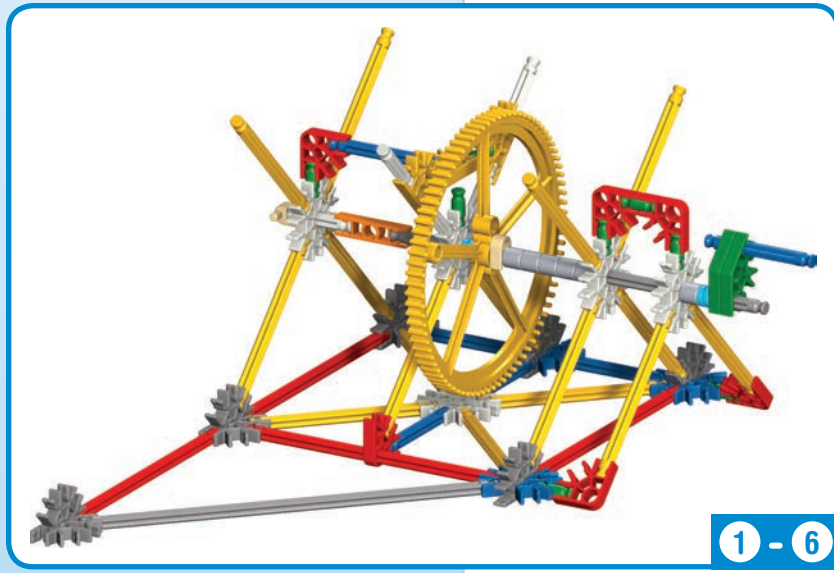
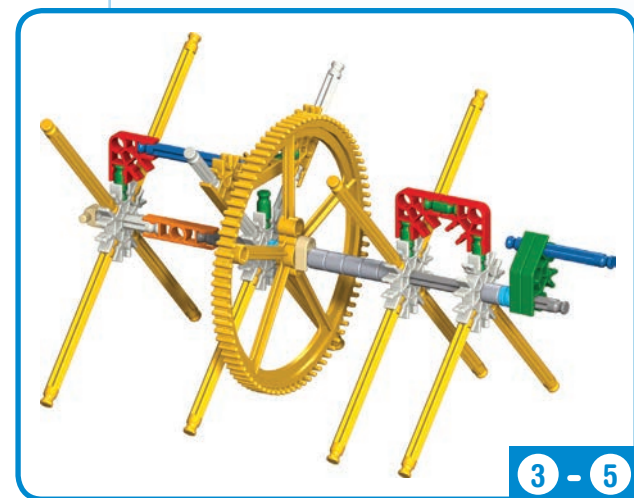
7 - 14

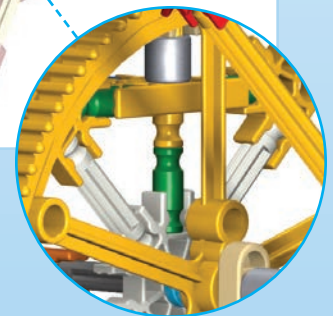
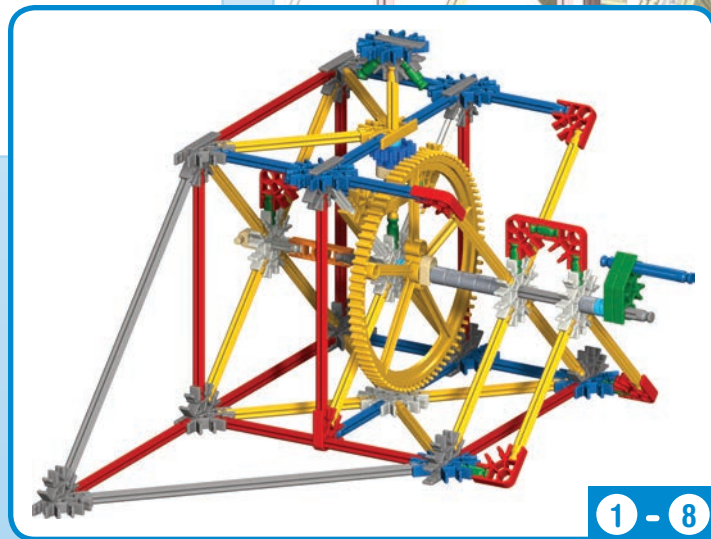
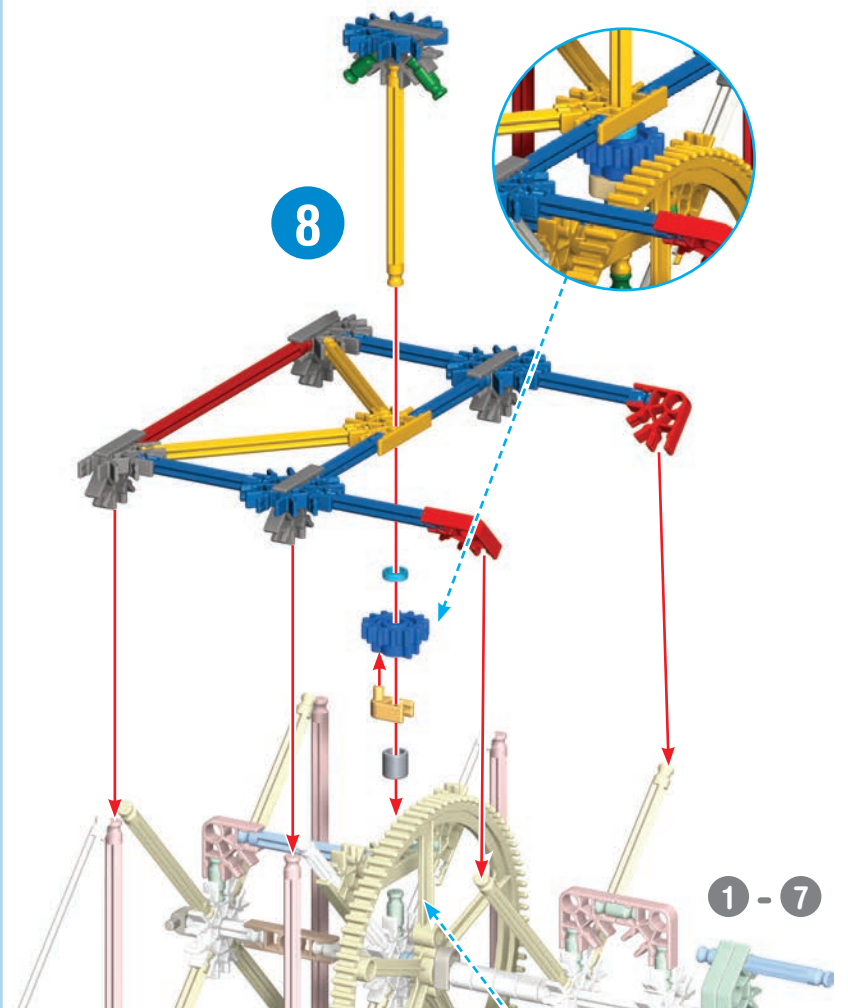
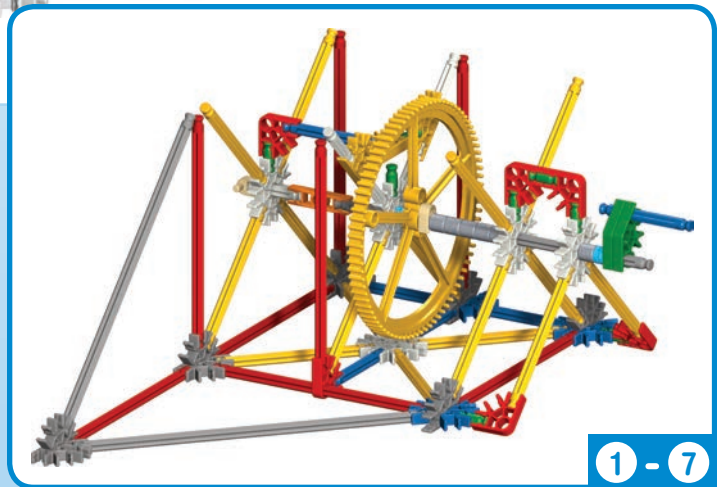
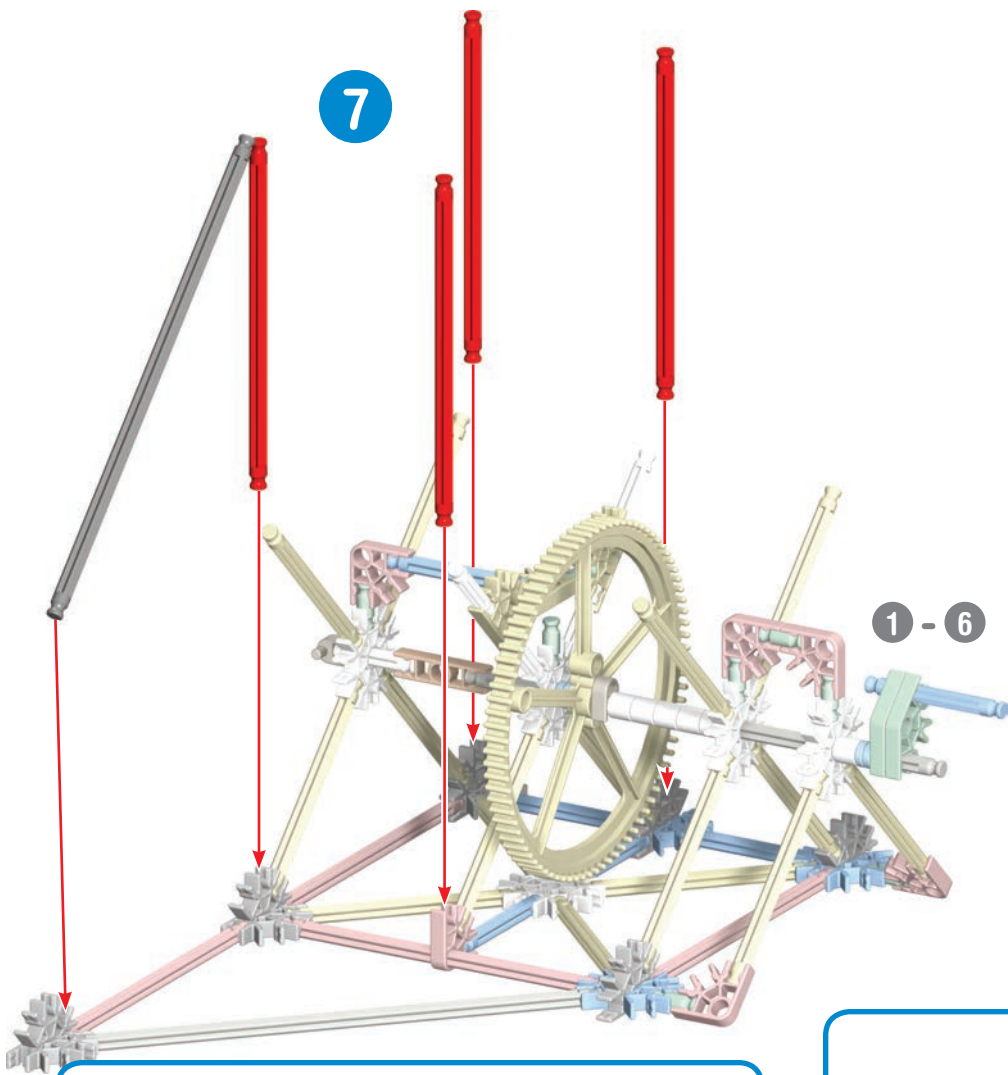
Stroboscope  
 Stroboscope  
 Stroboskop  
 Stroboscoop

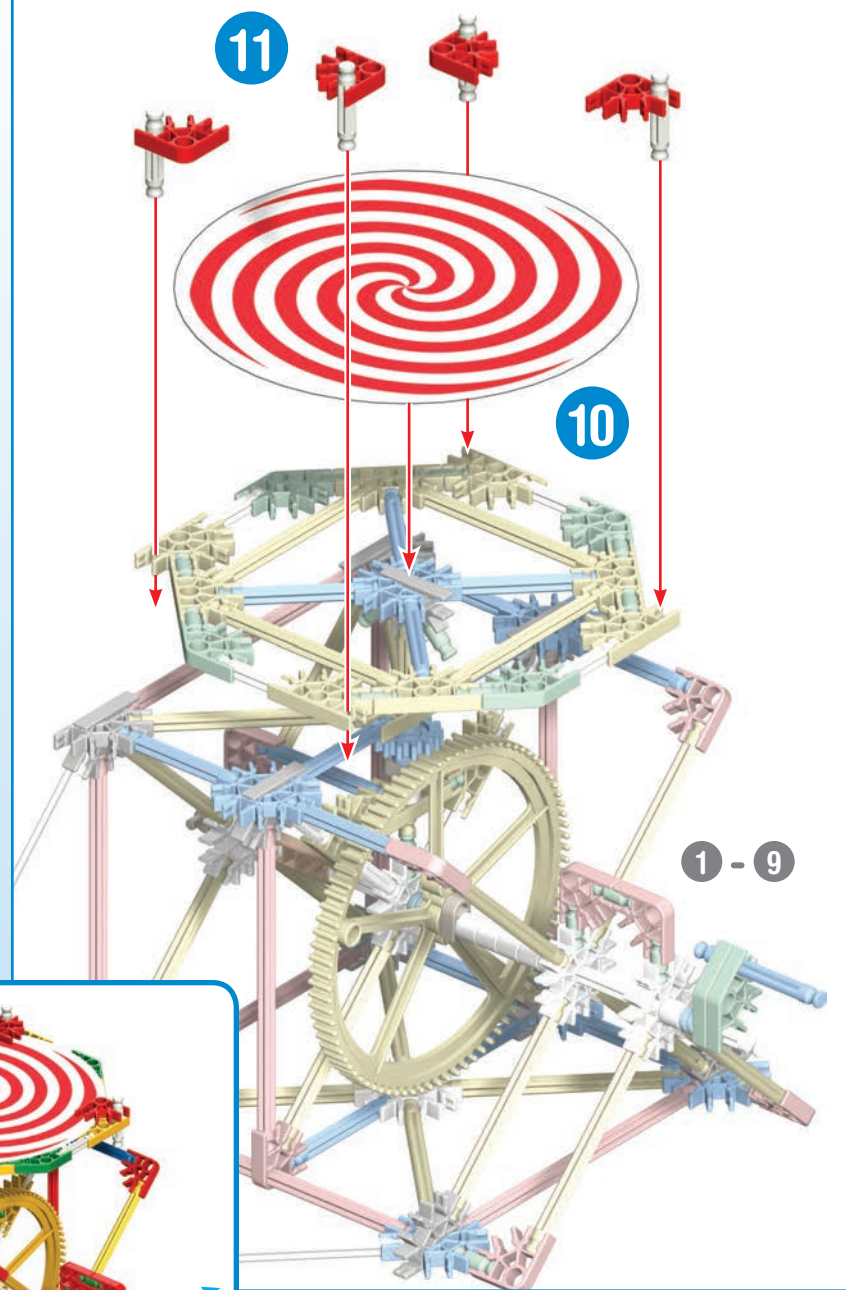
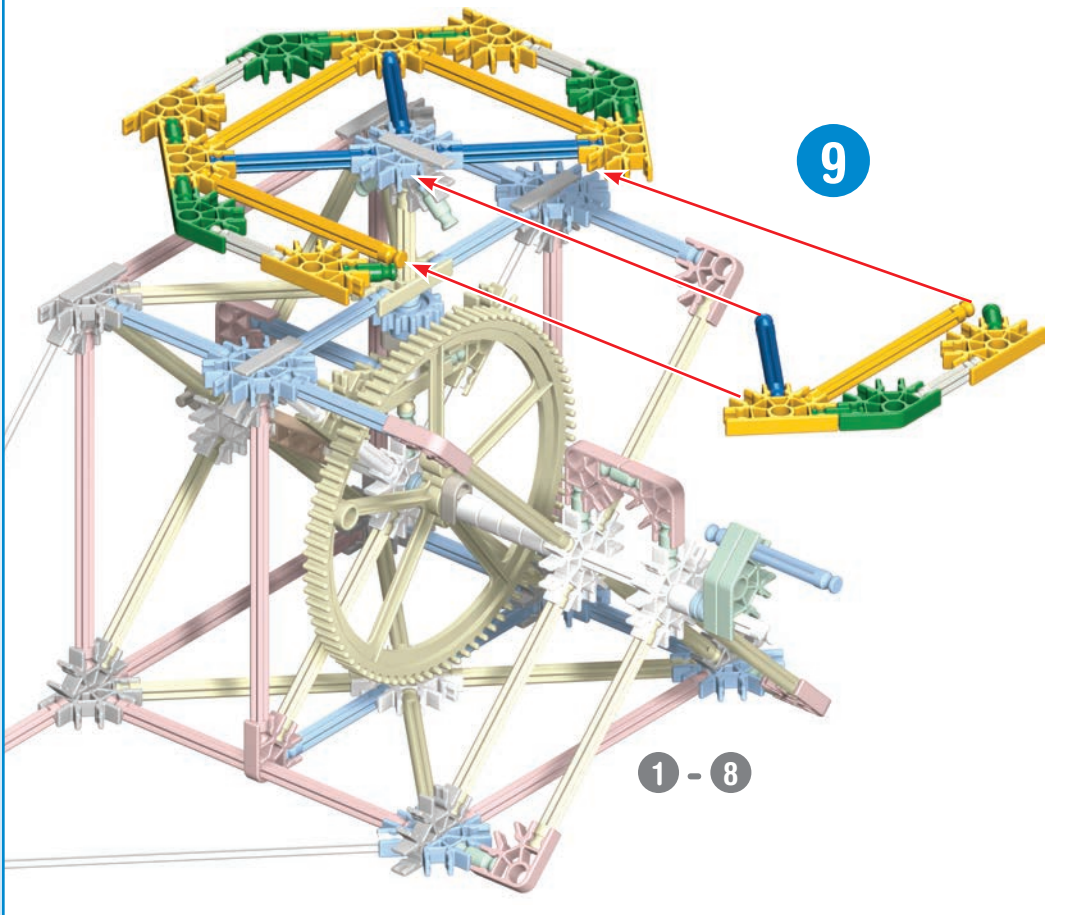








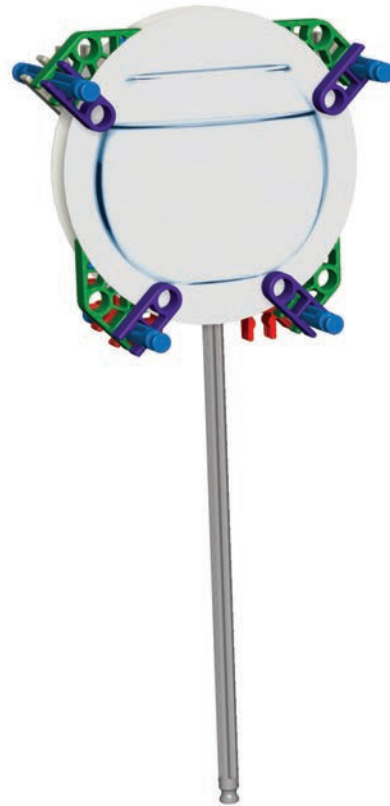




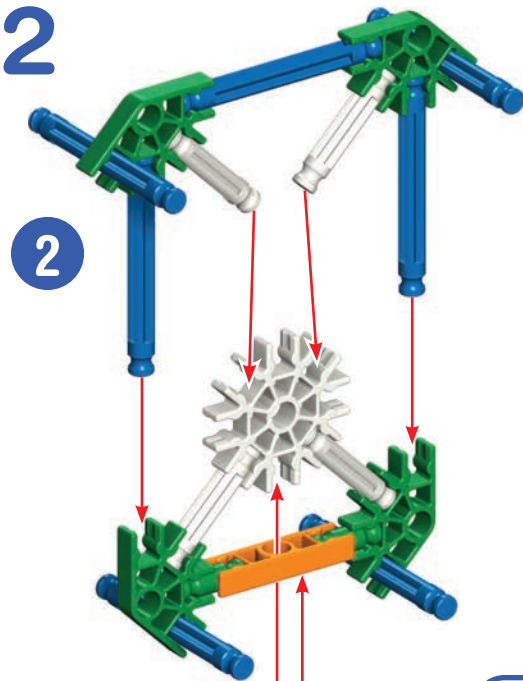
Thaumatrope 1  
 Thaumatrope 1  
 Thaumatrope 1  
 Thaumatrope 1



Thaumatrope 2  
 Thaumatrope 2  
 Thaumatrope 2  
 Thaumatrope 2

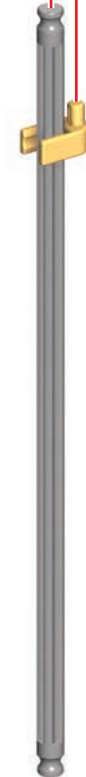


x2



2

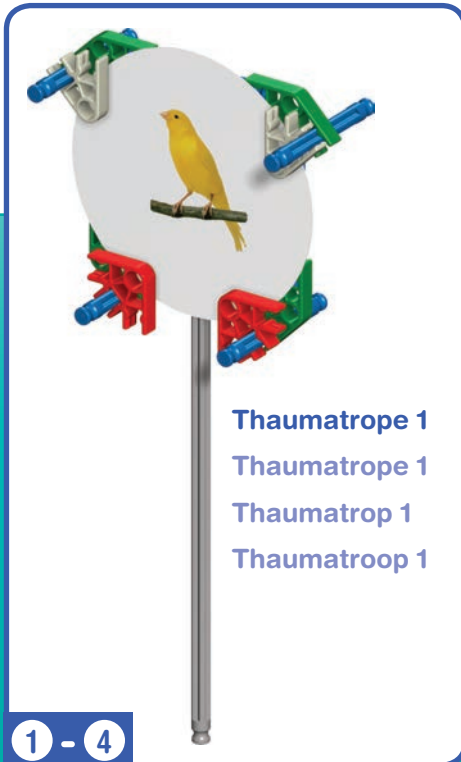
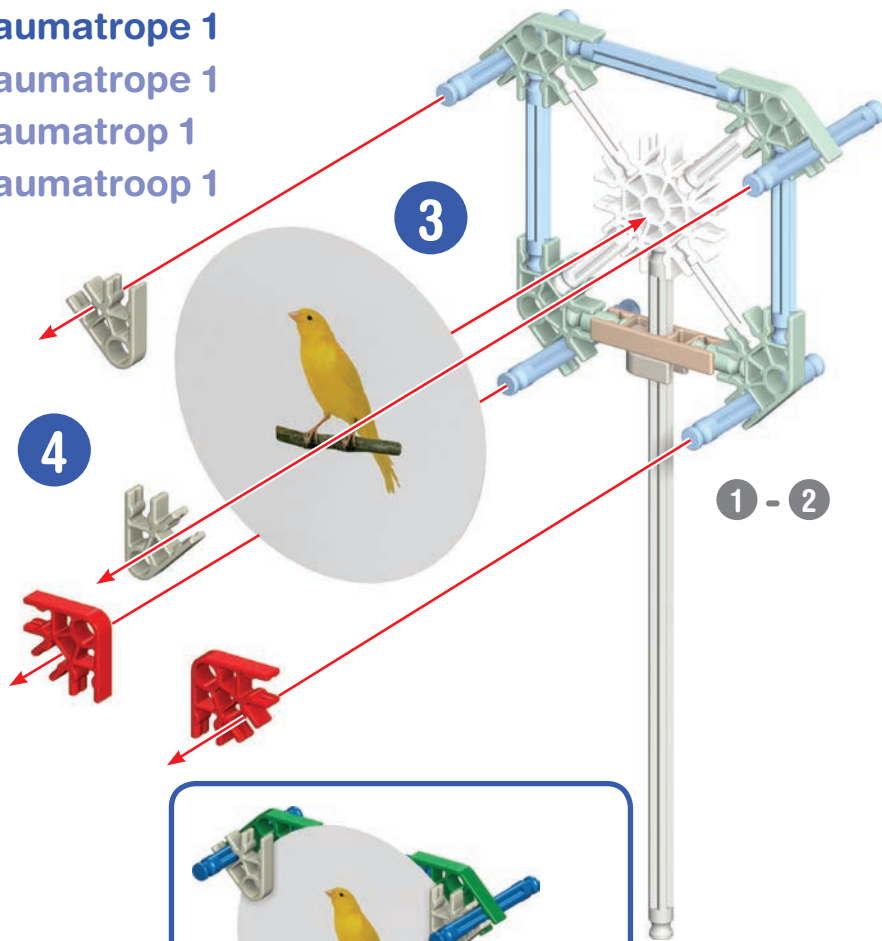
1



x2

1 - 2

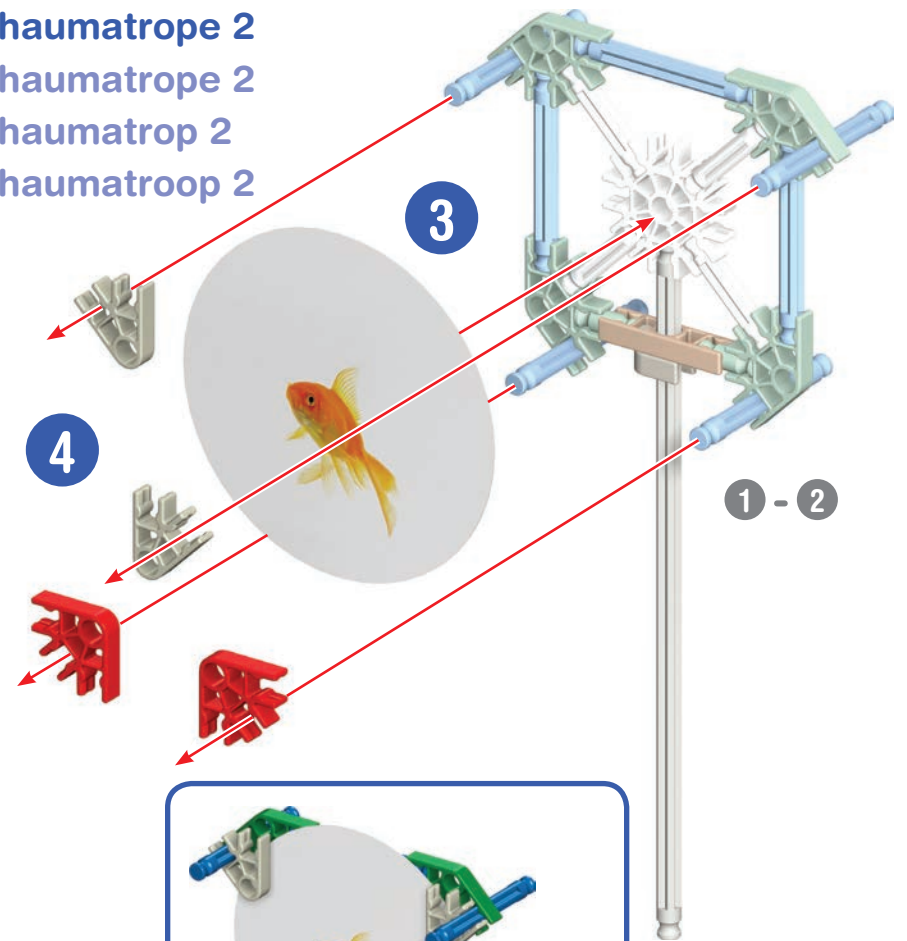
Thaumatrope 1  
 Thaumatrope 1  
 Thaumatrope 1  
 Thaumatrope 1



Thaumatrope 1  
 Thaumatrope 1  
 Thaumatrope 1  
 Thaumatrope 1

1 - 4

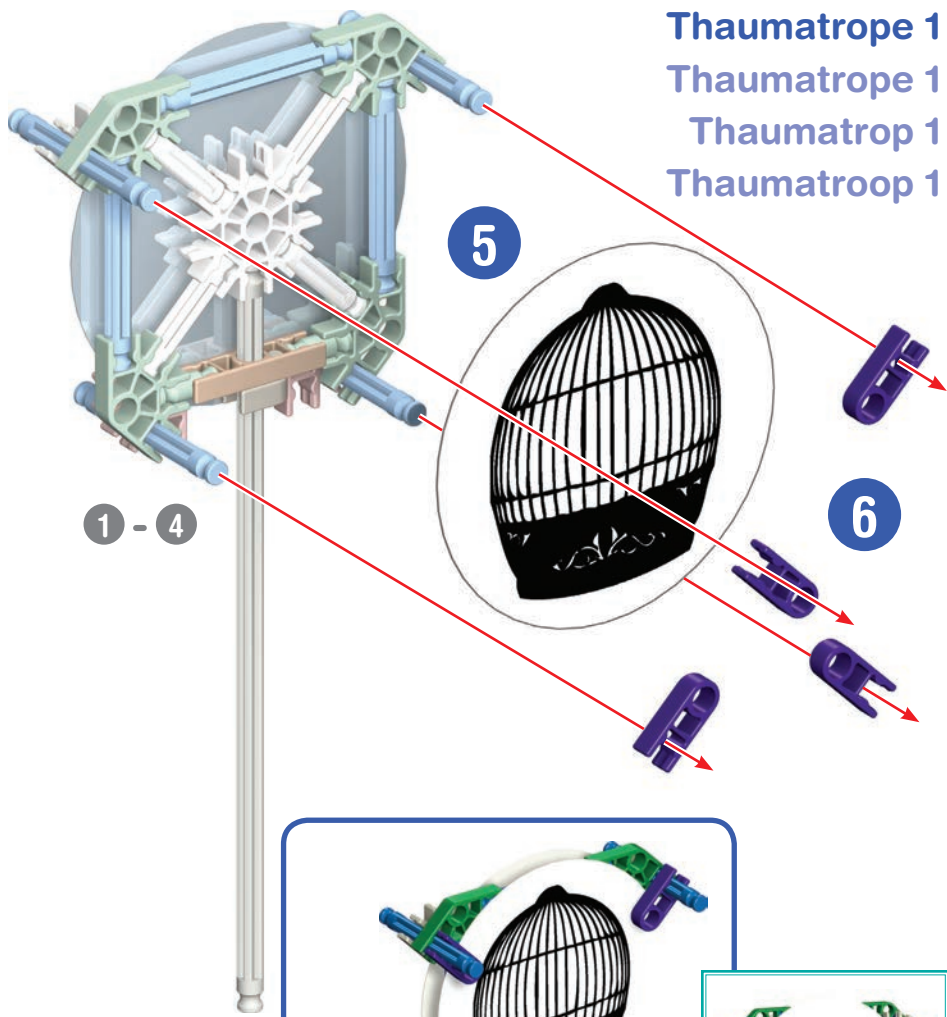
Thaumatrope 2  
 Thaumatrope 2  
 Thaumatrope 2  
 Thaumatrope 2



Thaumatrope 2  
 Thaumatrope 2  
 Thaumatrope 2  
 Thaumatrope 2

1 - 4

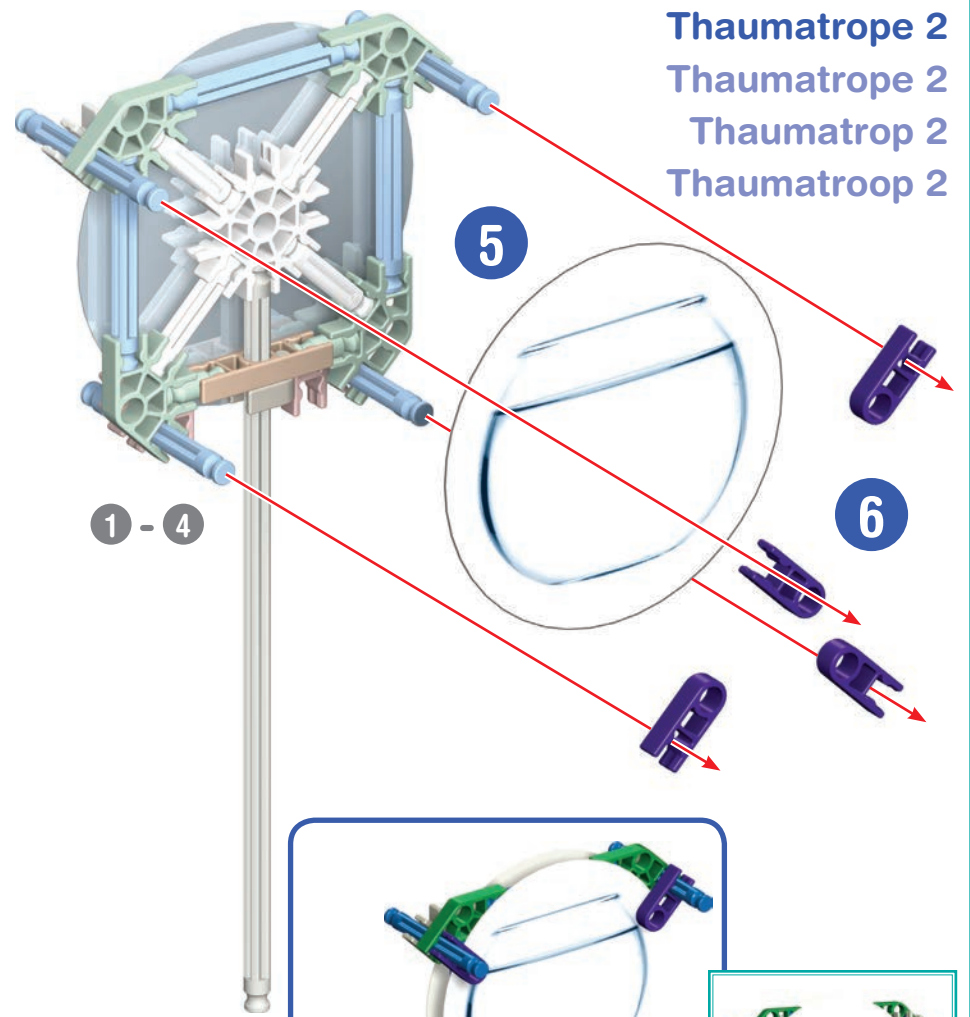
Thaumatrope 1  
 Thaumatrope 1  
 Thaumatrope 1  
 Thaumatrope 1



Thaumatrope 1  
 Thaumatrope 1  
 Thaumatrope 1  
 Thaumatrope 2

1 - 6

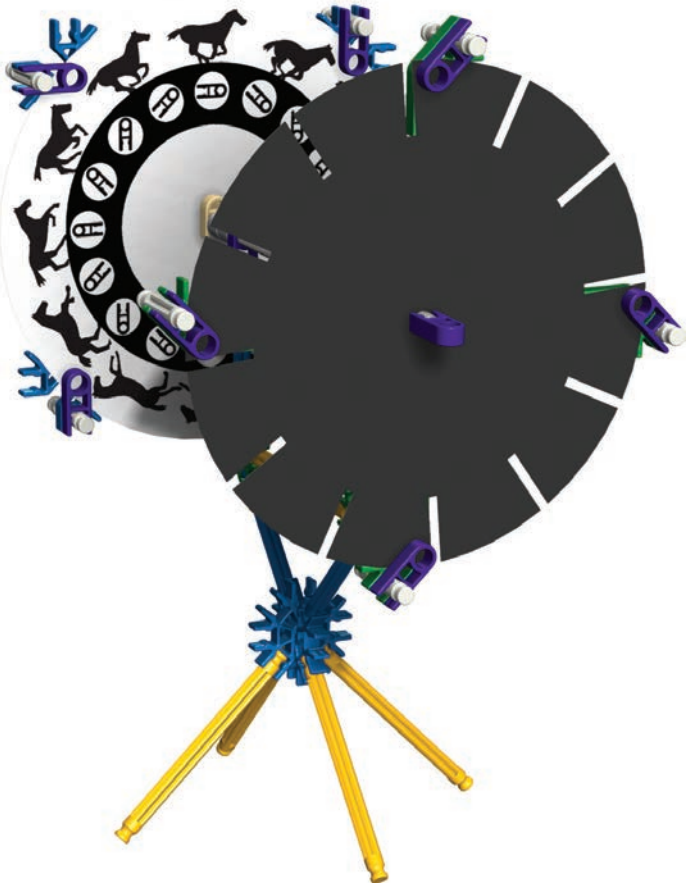
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 Thaumatrope 2  
 Thaumatrope 2  
 Thaumatrope 2



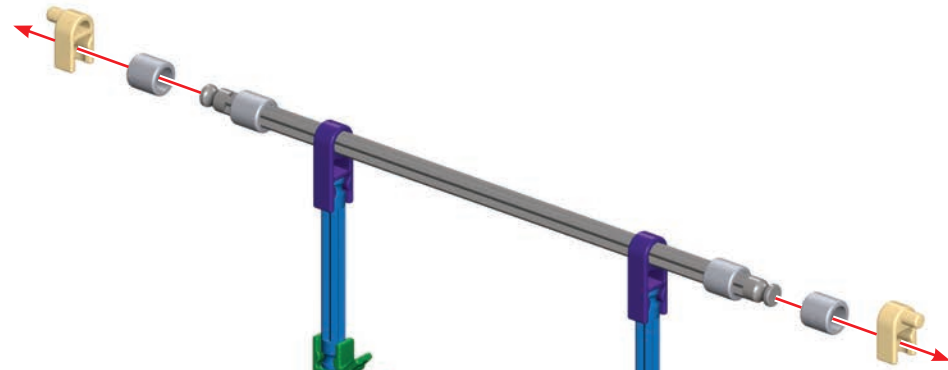
Thaumatrope 2  
 Thaumatrope 2  
 Thaumatrope 2  
 Thaumatrope 2

1 - 6

# Phenakistoscope



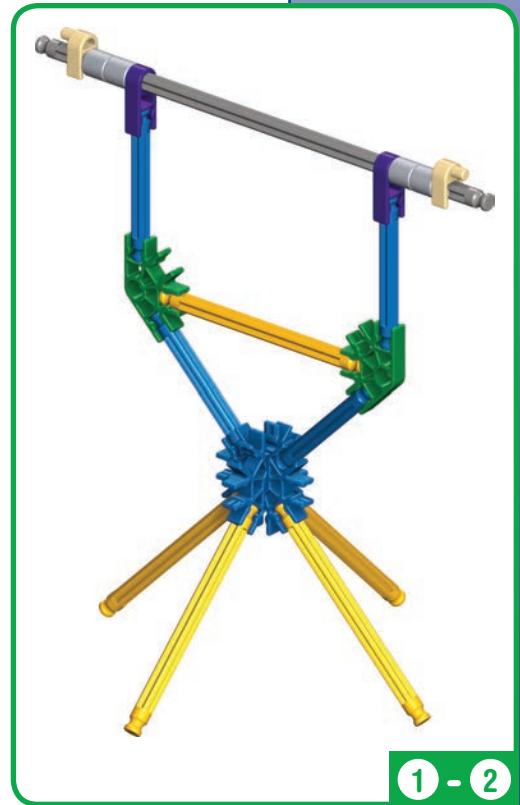
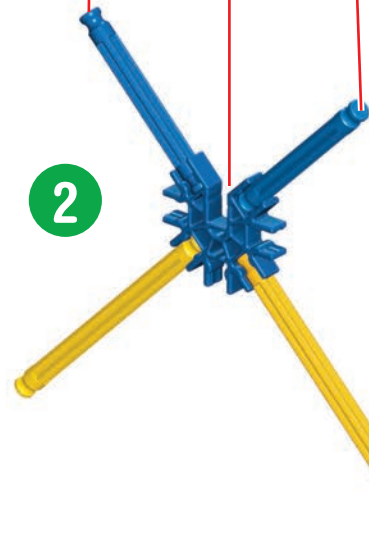
- |    |  |   |  |   |  |    |  |   |  |
|----|--|---|--|---|--|----|--|---|--|
| 16 |  | 4 |  | 2 |  | 12 |  | 4 |  |
| 16 |  | 9 |  | 6 |  |    |  |   |  |
| 8  |  |   |  | 6 |  | 6  |  |   |  |
| 9  |  |   |  |   |  |    |  |   |  |
| 1  |  |   |  |   |  |    |  |   |  |



1

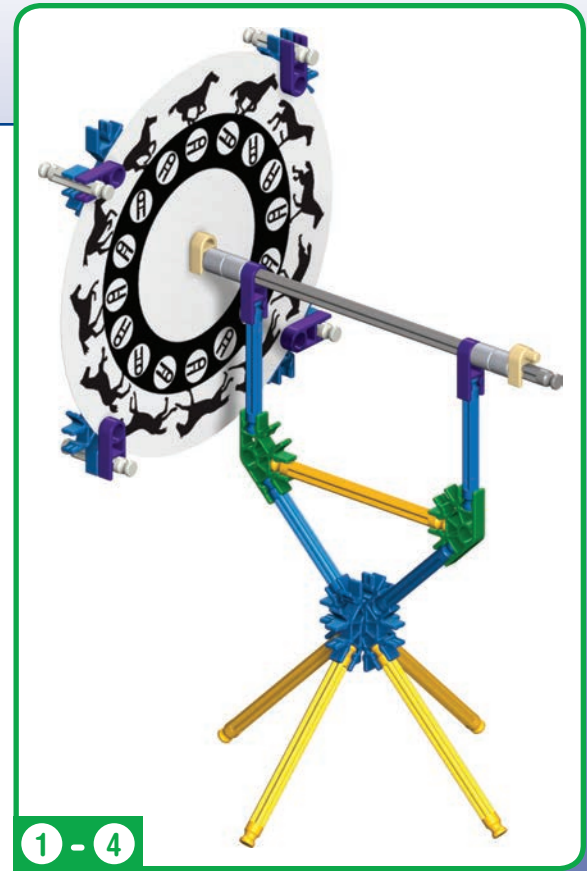
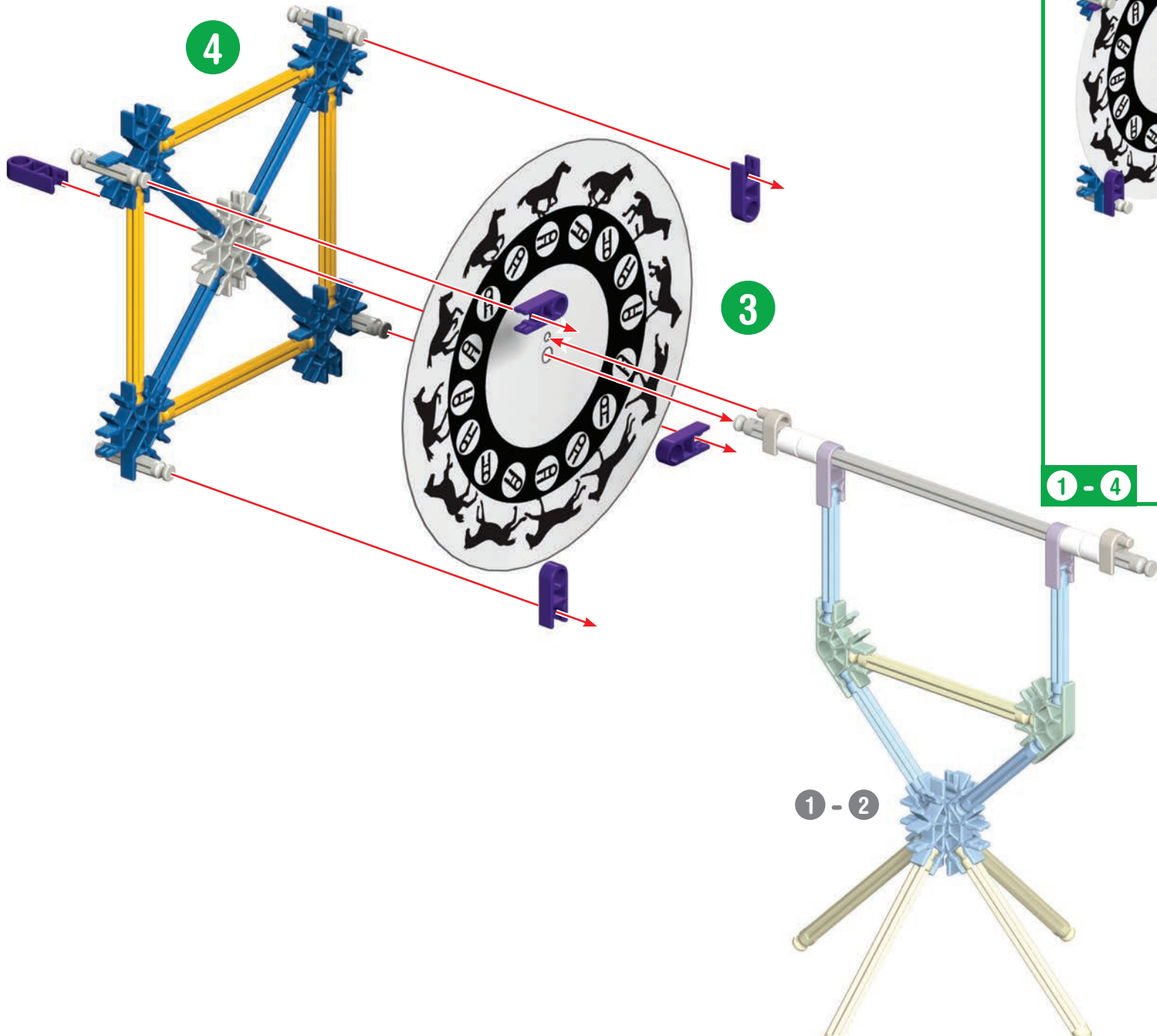


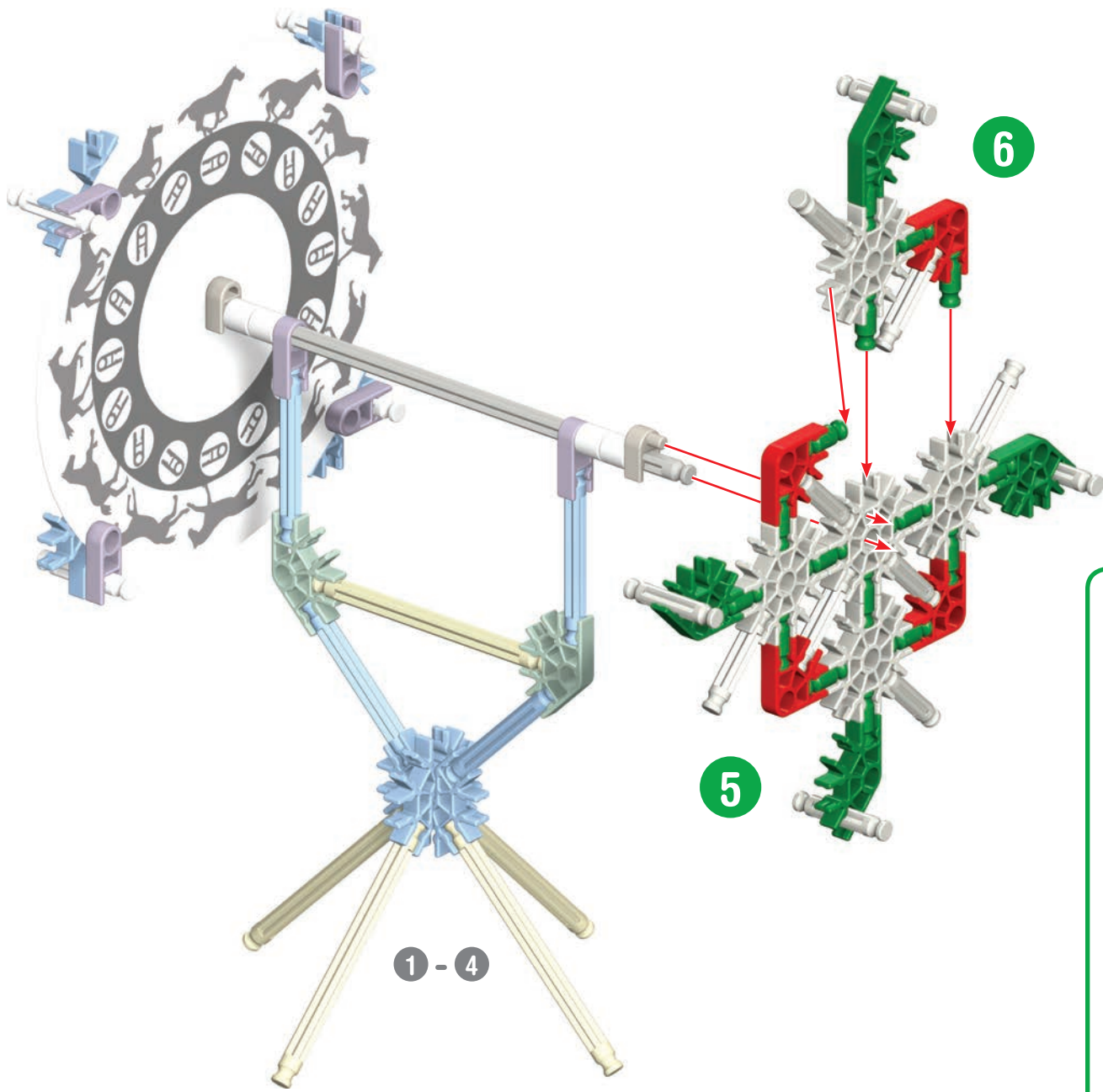
2



1 - 2



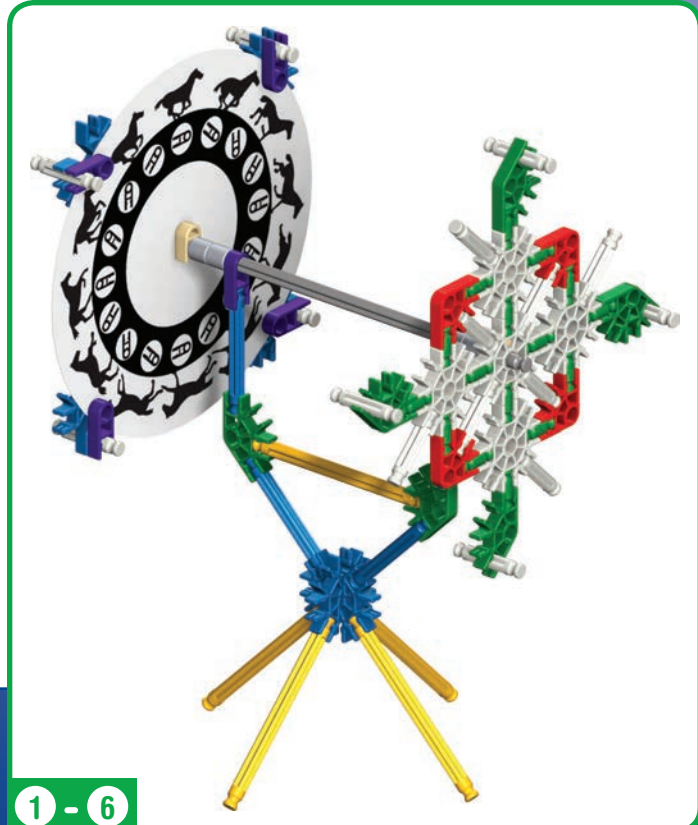




1 - 4

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6



1 - 6

