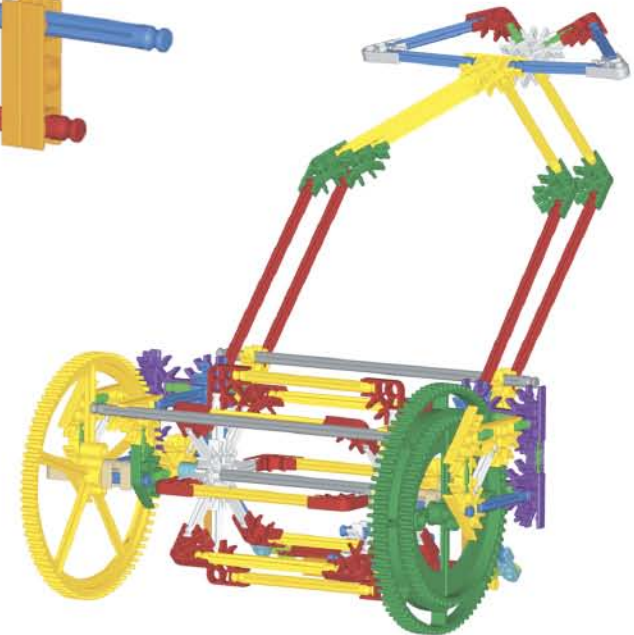
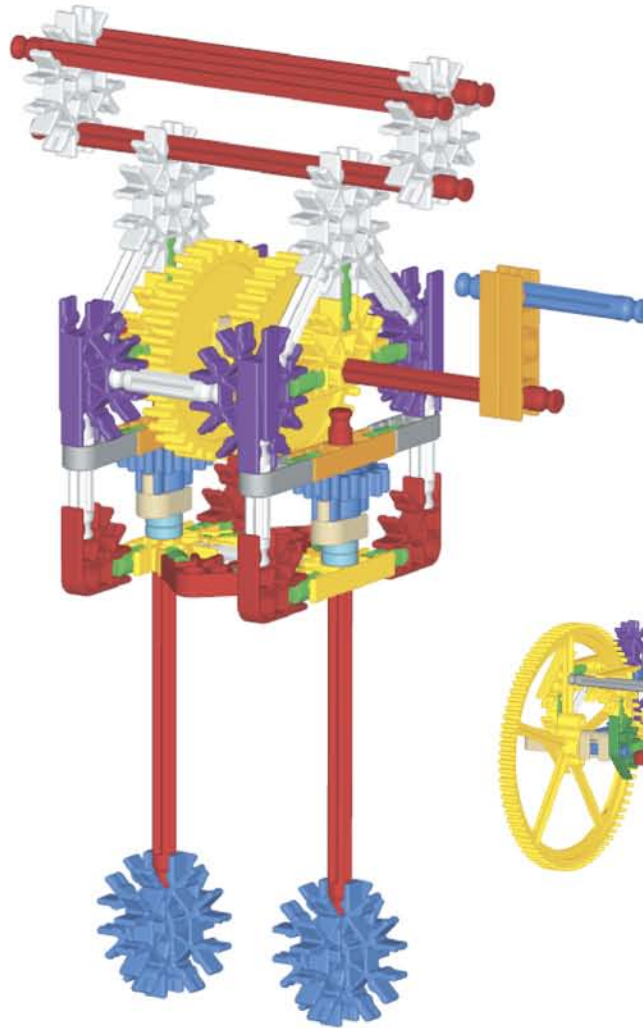
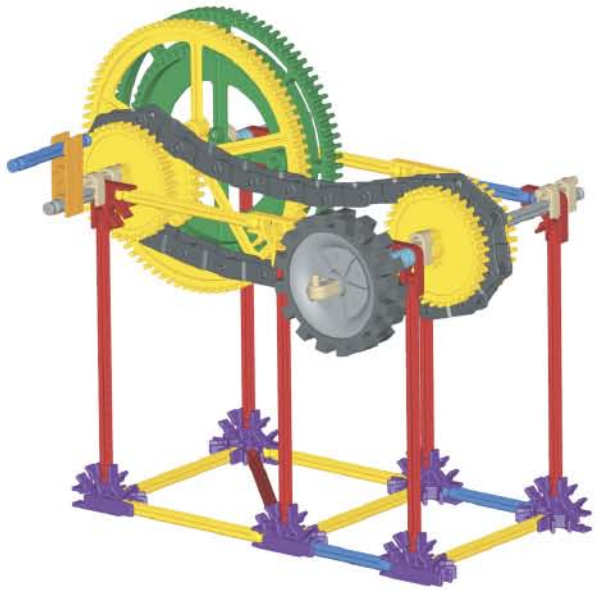


SIMPLE MACHINES DELUXE™

**GEARS
ENGRANAJES
ENGRENAGES**



⚠ WARNING:

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

⚠ ADVERTENCIA:

PELIGRO DE ASFIXIA - Piezas pequeñas.
No es para niños menores de 3 años.

⚠ AVERTISSEMENT :

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

GRADES
GRADOS
ANNÉES
3-9

8+

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

CAUTION: Keep hair, clothing and fingers away from moving parts.

⚠ ADVERTENCIA: PELIGRO DE ASFIXIA - Piezas pequeñas. No es para niños menores de 3 años.

PRECAUCIÓN: Mantén el pelo, la ropa y los dedos alejados de las piezas móviles.

⚠ AVERTISSEMENT : DANGER D'ÉTOUFFEMENT - Petites pièces. Ne convient pas aux enfants de moins de 3 ans.

ATTENTION : Gardez les pièces mobiles à l'écart des doigts, des vêtements et des cheveux.

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K'NEX Motor Pack Information

- Never get your Motor wet; do not use it in electrical outlets near water.
- Never use steel wool or solvents of any kind on any parts of your Motor Pack.
- Do not use Motor or Adapter if power cord is broken or worn.
- Examine your Motor Pack components regularly, looking for damaged parts or possible overheating.
- Adapter must be plugged into 120V AC outlet only.
- To stop the movement of your motorized model, unplug the Adapter from the outlet.
- Never attempt to stop any moving piece; you may work the Worm loose from the Motor.

Troubleshooting

Motor shaft does not spin

- Adapter is not plugged into outlet
- Motor Adapter is not plugged into Motor.
- Housing is bent.
- Tan Locks not snapped in correctly.

Motor shaft spins but does not drive

- Worm is missing from motor shaft.
- Tan Locks not snapped in correctly, or are missing.
- Gears not properly aligned, or are missing.
- Gears must spin freely; before

attaching motor, make sure Gears move easily by hand.

Gears make a grinding noise

- Gears not properly aligned.
- Gear shaft(s) not secured.
- Housing is bent.

Worm Gear comes loose

- Unplug adapter from outlet; press Worm back firmly on Motor.
- When Worm Gear is first used, it will shed fine particles. This is normal, and will stop shortly. Brush particles away with a dry cloth or soft brush. *Do not wash with water.*

CAUTION: – ELECTRIC TOY: ⚠

Not recommended for children under 8 years of age. As with all electric products, precautions should be observed during handling and use to prevent electric shock. FOR INDOOR USE ONLY.

INPUT: 120 Volts AC 60 Hz 17 Watts

OUTPUT: 12 Volts DC 500 mA DC

ATENCIÓN: - JUGUETE ELÉCTRICO: ⚠

No se recomienda para niños menores de 8 años de edad. Al igual que con todos los productos eléctricos, es necesario tomar medidas preventivas durante el manejo y el uso, para evitar descargas eléctricas. SÓLO PARA USO BAJO TECHO.

ENTRADA: 120 Voltios CA 60 Hz 17 Vatios

SALIDA: 12 Voltios CC 500 mA CC

ATTENTION : - JOUET ÉLECTRIQUE : ⚠

N'est pas recommandé pour les enfants de moins de 8 ans. Comme pour tous objets électriques, manipuler avec précaution pour éviter tout danger d'électrocution. NE PAS UTILISER DEHORS.

ALIMENTATION : 120 Volts c.a. 60 Hz 17 Watts

DÉBIT : 12 Volts c.c. 500 mA c.c.

K'NEX Información del paquete del motor

- No deje que el motor se moje, ni lo enchufe en tomas de corriente que se encuentren cerca de agua.
- No utilice nunca estropajos de acero ni solventes de ningún tipo en los componentes del Paquete para motor.
- No utilice el motor ni el adaptador si el cable eléctrico está roto o desgastado.
- Examine los componentes del Paquete para motor periódicamente, en busca de partes

Resolución de problemas

El eje del motor no gira

- El adaptador no está enchufado en la toma de corriente.
- El adaptador no está conectado al motor.
- La caja está doblada.
- Las trabas color beige no encajan correctamente.

El eje del motor gira pero no impulsa

- El tornillo sinfín no se encuentra en el eje del motor.
- Las trabas color beige no encajan correctamente o no están colocadas.
- Las ruedas dentadas no está bien alineadas o no están colocadas.
- Las ruedas dentadas deben girar libremente; antes de acoplar el motor, gire las ruedas dentadas manualmente para cerciorarse de que se mueven con facilidad.

- dañadas o posibles áreas de sobrecalentamiento.
- El adaptador debe enchufarse únicamente en una toma de corriente de 120 V C.A.
- Para detener el movimiento del modelo motorizado, desenchufe el adaptador de la toma de corriente.
- Nunca intente detener una pieza en movimiento, ya que esto puede causar que el tornillo se salga del motor.

Las ruedas dentadas emiten un chirrido

- Las ruedas dentadas no están bien alineadas.
- Los ejes de las ruedas dentadas no están bien afianzados.
- La caja está doblada.

El engranaje de tornillo sinfín se sale de su lugar

- Desenchufe el adaptador de la toma de corriente y empuje el tornillo firmemente dentro del motor.
- Cuando se utiliza por primera vez, el engranaje de tornillo sinfín desprende partículas finas. Esto es normal y durará muy poco tiempo. Elimine las partículas con un paño seco o cepillo suave. *No lave el equipo con agua.*

K'NEX l'information de paquet de moteur

- Le moteur ne doit jamais être mouillé; ne le branchez pas dans des prises situées à proximité d'eau.
- N'utilisez jamais de paille de fer ou de solvants sur aucun des éléments de votre bloc moteur.
- N'utilisez pas le moteur ni l'adaptateur si le cordon d'alimentation est défectueux ou usé.
- Examinez régulièrement les éléments de votre bloc moteur pour

vérifier qu'aucune pièce n'est endommagée ou surchauffée.

- L'adaptateur doit être branché uniquement dans une prise de 120 V c.a.
- Pour arrêter le modèle motorisé, débranchez l'adaptateur de sa prise.
- N'essayez jamais d'arrêter une pièce en mouvement; la vis sans fin peut se détacher du moteur.

Résolution de problèmes

L'arbre moteur ne tourne pas

- L'adaptateur n'est pas branché dans la prise.
- L'adaptateur du moteur n'est pas relié au moteur.
- Le carter est faussé.
- Les pièces de blocage beige ne sont pas correctement mises en place.

L'arbre du moteur tourne mais n'entraîne pas les pièces

- La vis sans fin ne se trouve pas dans le carter du moteur.
- Les pièces de blocage beige manquent ou ne sont pas correctement mises en place.
- Les roues dentées manquent ou ne sont pas correctement alignées
- Les roues dentées doivent pouvoir tourner librement; avant de mettre le

moteur en place, assurez-vous qu'elles tournent à la main.

Les roues dentées font un bruit de patinage

- Les roues dentées ne sont pas correctement alignées.
- L'arbre (les arbres) de l'engrenage n'est (ne sont) pas bien mis en place
- Le carter est faussé.

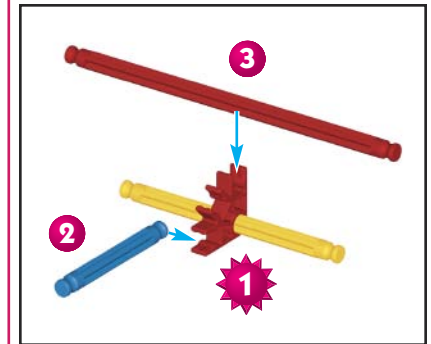
L'engrenage de vis sans fin se détache

- Débranchez l'adaptateur de la prise; réenclenchez fermement la vis sans fin sur le moteur.
- Quand l'engrenage de vis sans fin est utilisé pour la première fois, il est normal que de fines particules s'en détachent au début. Éliminer les particules à l'aide d'un chiffon sec ou d'une brosse à poils doux. *Ne pas laver à l'eau.*

Each K'NEX piece has its own color and shape; match it to pieces in the picture instructions. Put pieces together exactly as pictures show. Be sure to put rods in the correct slots of connectors, so you have proper angles in your finished model.

Assurez-vous de bien assembler les tiges dans les fentes des connecteurs afin d'obtenir des angles corrects une fois le modèle fini. Assurez-vous de placer les varilles dans les rainures correctes des connecteurs, de modo que al terminar el modelo, los ángulos sean los adecuados.

Chaque pièce K'NEX a une couleur et une forme bien à elle. Faites correspondre et montez les pièces les unes sur les autres en suivant exactement les instructions illustrées. Assurez-vous de bien assembler les tiges dans les fentes des connecteurs afin d'obtenir des angles corrects une fois le modèle fini.



Faded colors indicate sections previously built; connecting points will be in full color.

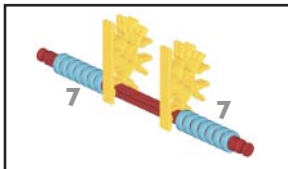
Los colores apagados indican secciones que ya han sido montadas anteriormente. Los puntos de conexión se indican con colores vivos.

Les couleurs plus claires indiquent les sections déjà construites. Les points de jonction sont indiqués en couleurs vives.

There are places in your model where you need to add blue spacers. Be sure to count them carefully.

Dans ton modèle, il y a des endroits où il faudra ajouter des entretoises bleues. Soyez sûrs de les compter soigneusement.

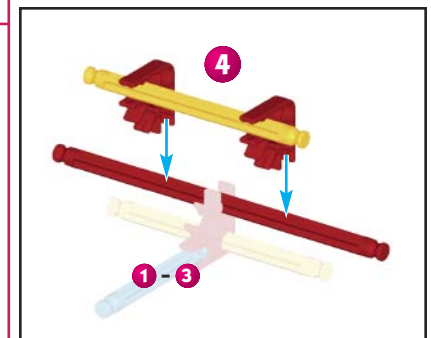
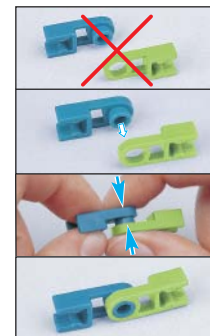
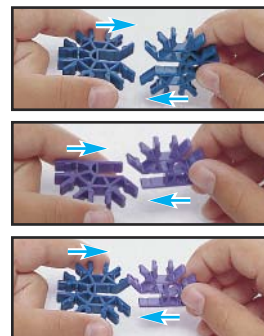
Hay lugares en tu modelo donde tendrás que agregar espaciadores azules. Esté seguro para contarlos con cuidado.



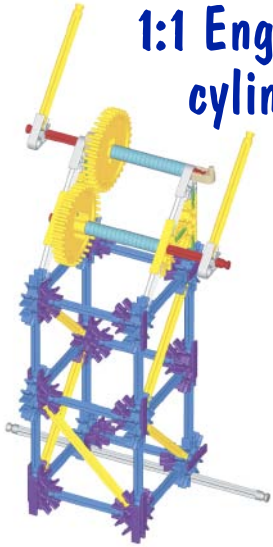
You can slide these special connectors together. Push tightly until you hear a "click". Pay close attention to the instructions and position them horizontally or vertically exactly as they are shown.

Se puede juntar estos conectores especiales deslizándolos. Empujar ligeramente hasta oír un "clic". Hace falta prestar mucha atención a las instrucciones y posicionar los conectores horizontal o verticalmente exactamente tal como se muestran.

Les connecteurs bleus et gris ont une longue encoche spécialement conçue pour s'emboîter les unes dans les autres, tel qu'illustré. Bien les pousser ensemble jusqu'à ce qu'un déclic se fasse entendre.

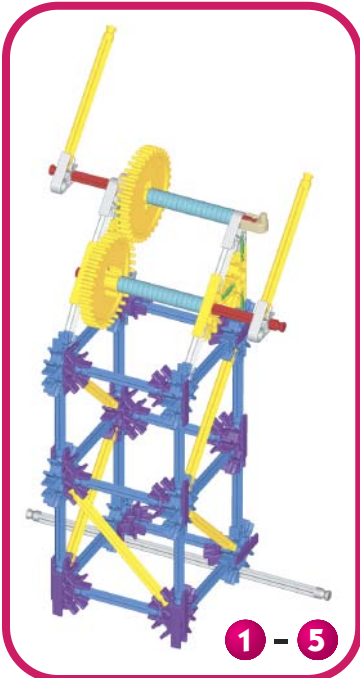
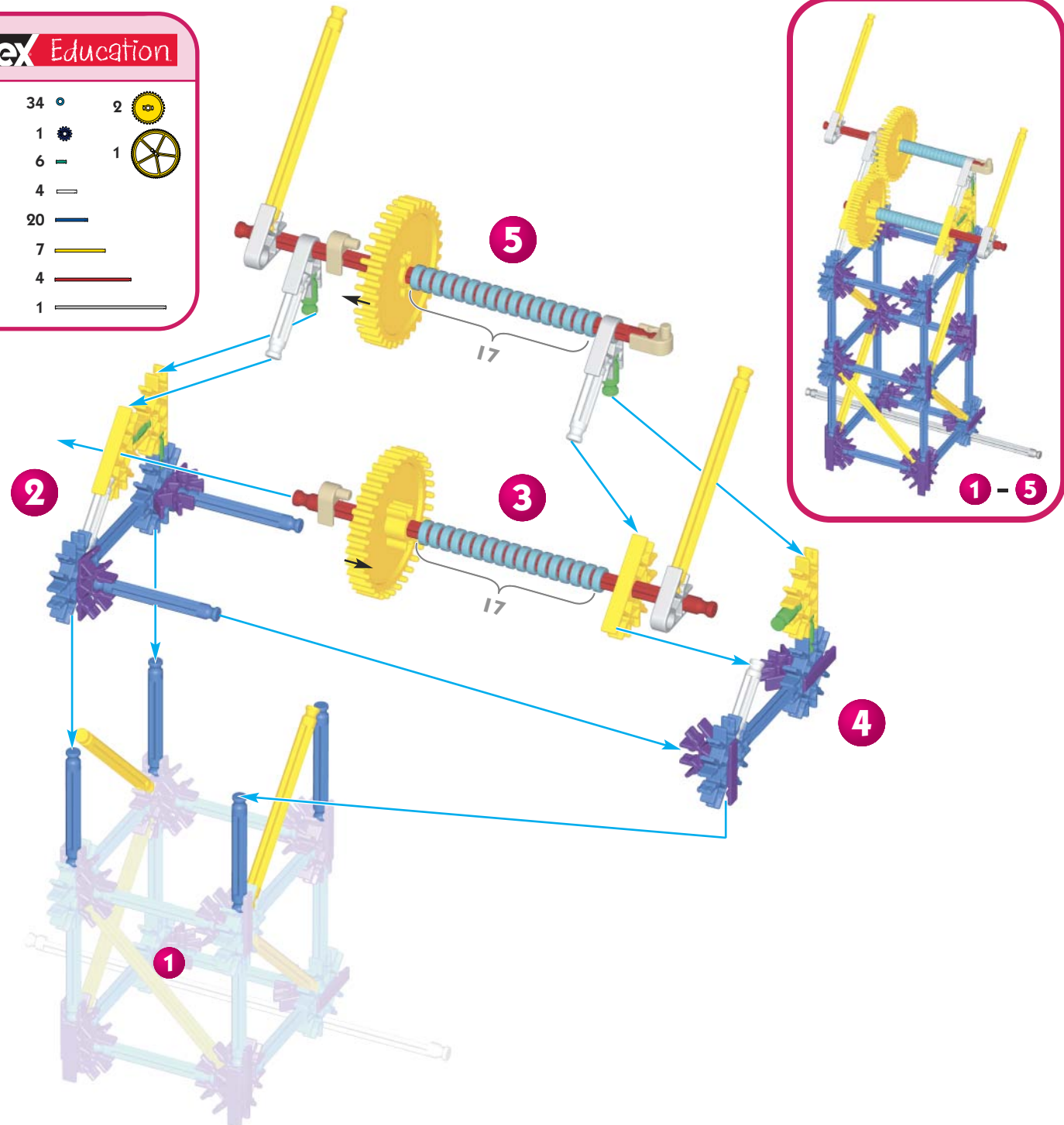


1:1 Spur Gear
 1:1 Engranajes recto
 1:1 Engrenage cylindrique



K'NEX Education

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1	1	1
4	6	1
4	4	
4	20	
16	7	
8	4	
3	1	

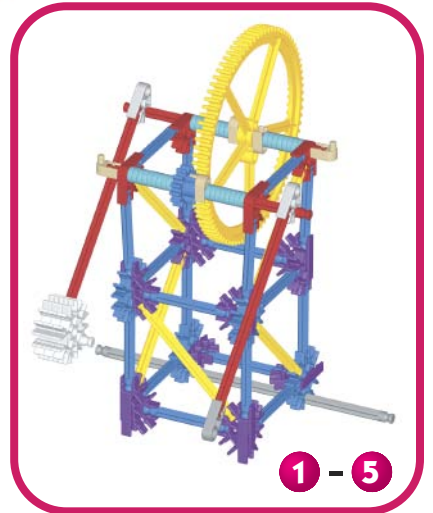
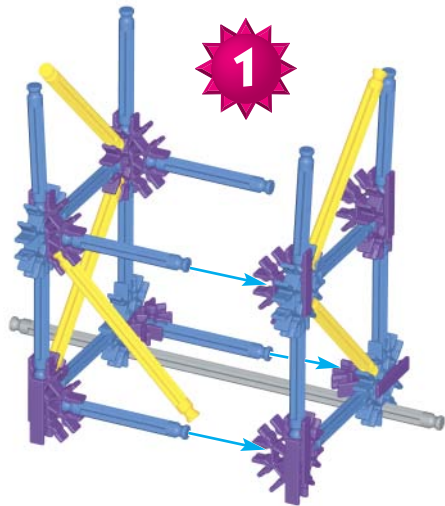
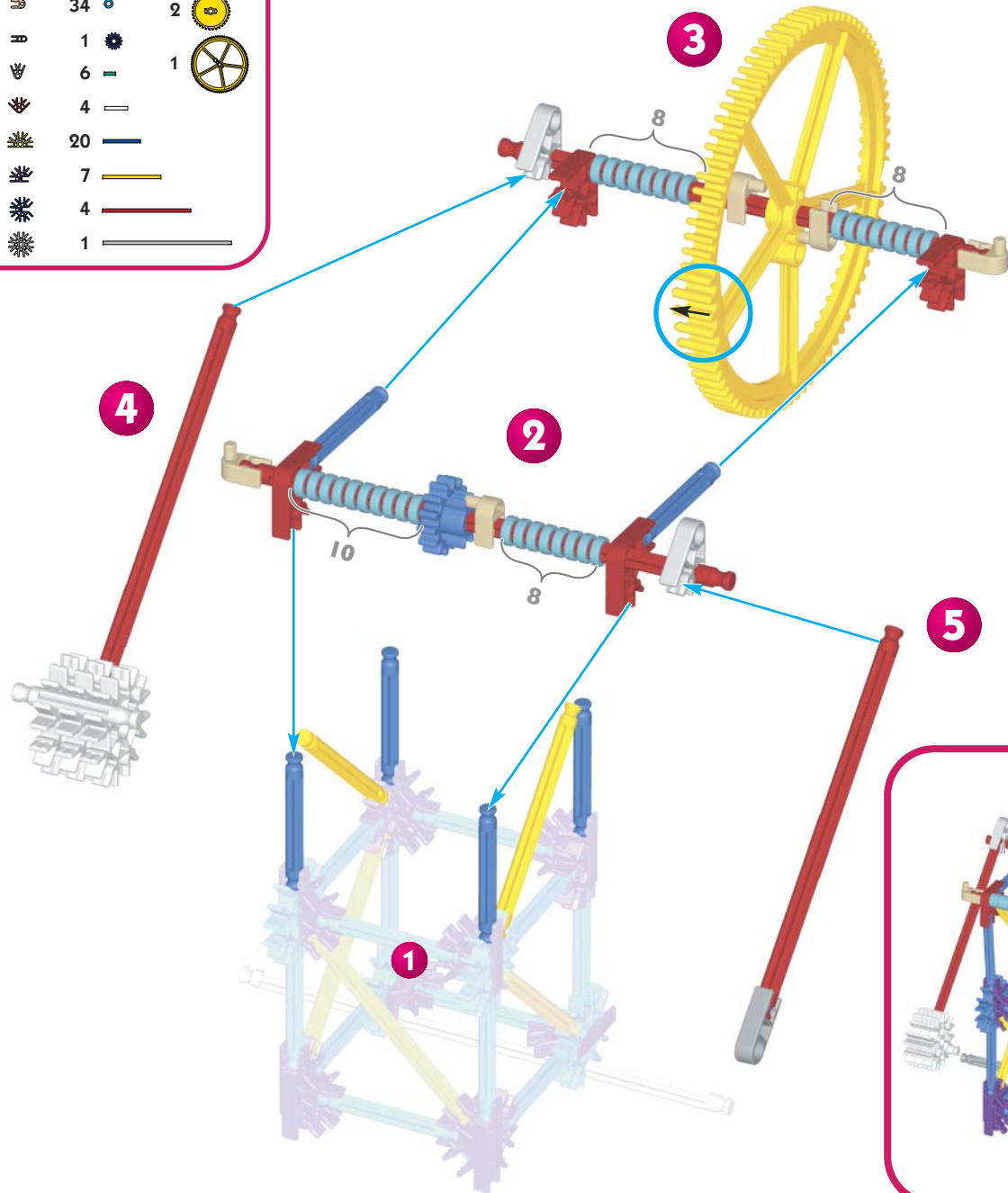


6:1 Spur Gear
 6:1 Engranajes recto
 6:1 Engrenage
 cylindrique



K'NEX Education

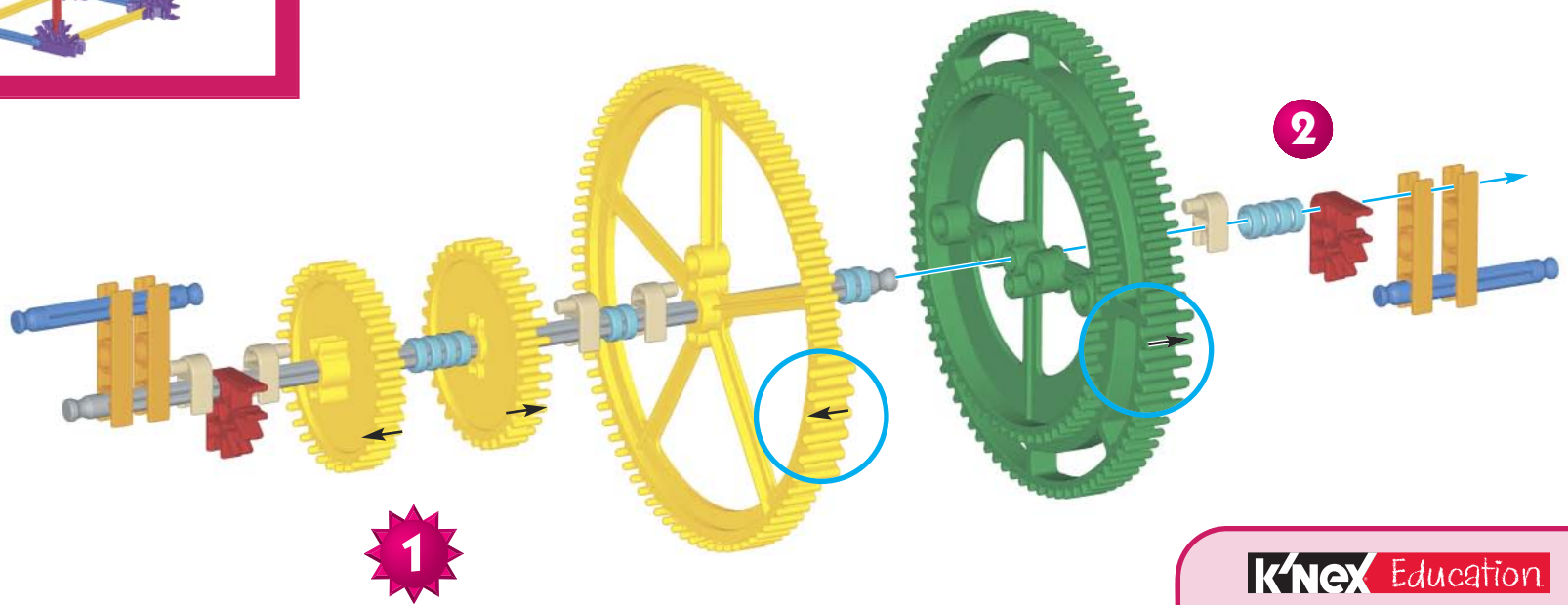
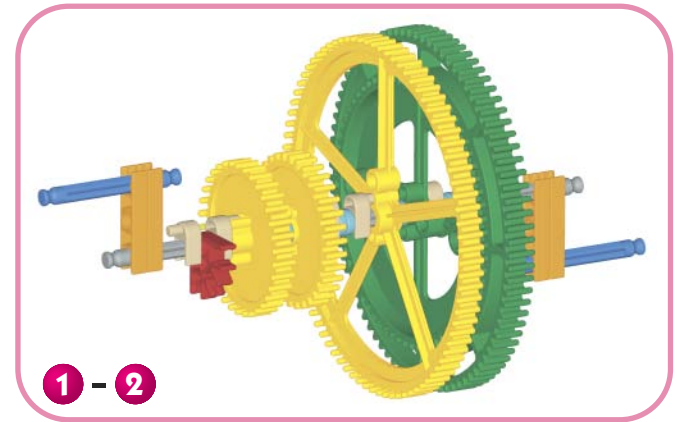
5		34		2	
1		1		1	
4		6		1	
4		4			
4		20			
16		7			
8		4			
3		1			



Bicycle Gears

Engranajes de bicicleta

Engrenages de bicyclette



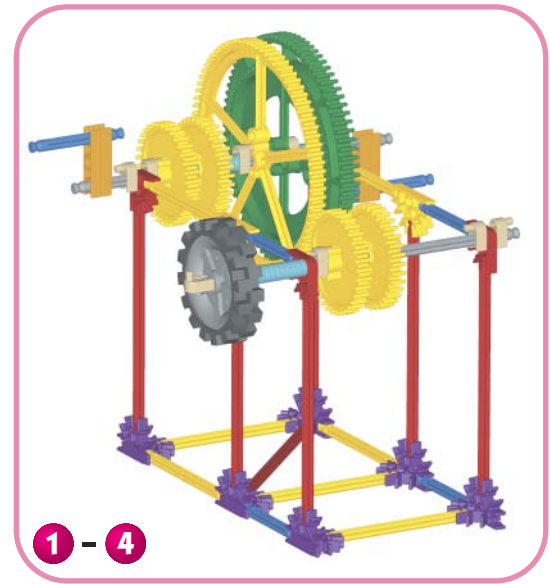
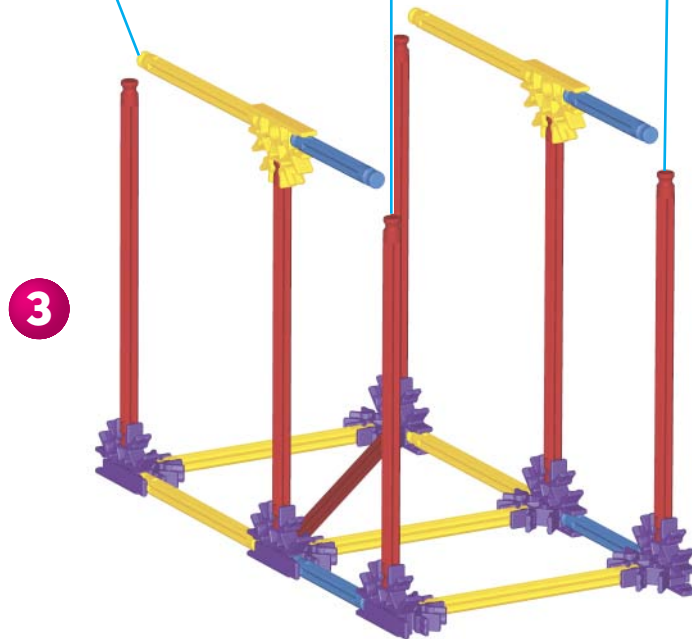
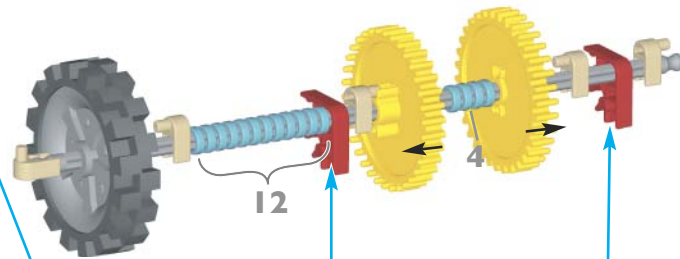
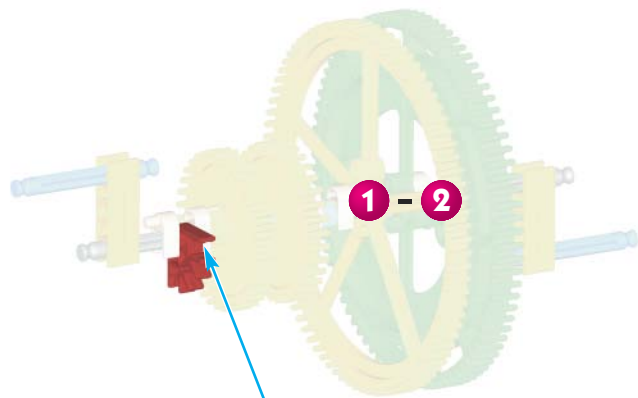
1

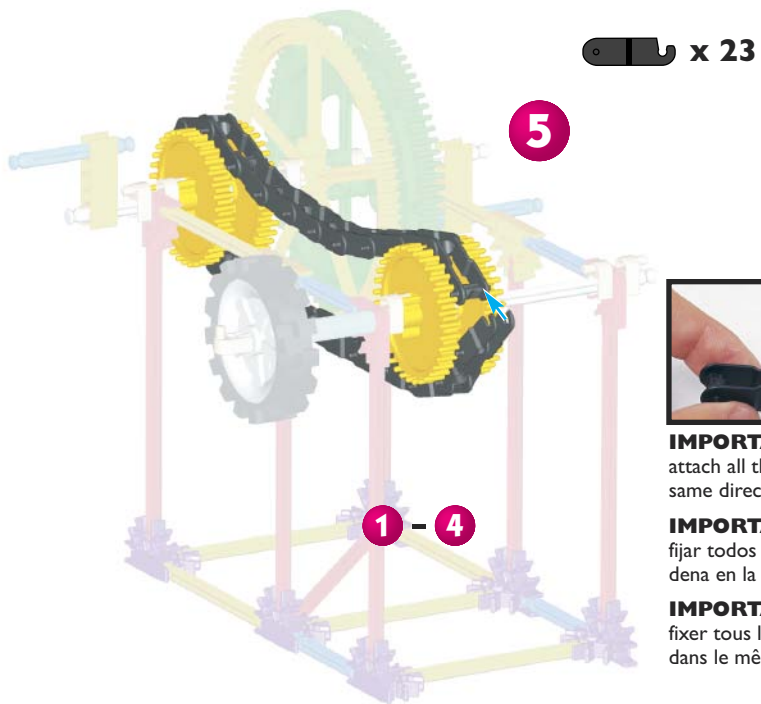
2



K'NEX Education

10		28		4		1	
4		28		1		1	
4		6		1		1	
2		7					
12		7		1			
		2					





x 23

5

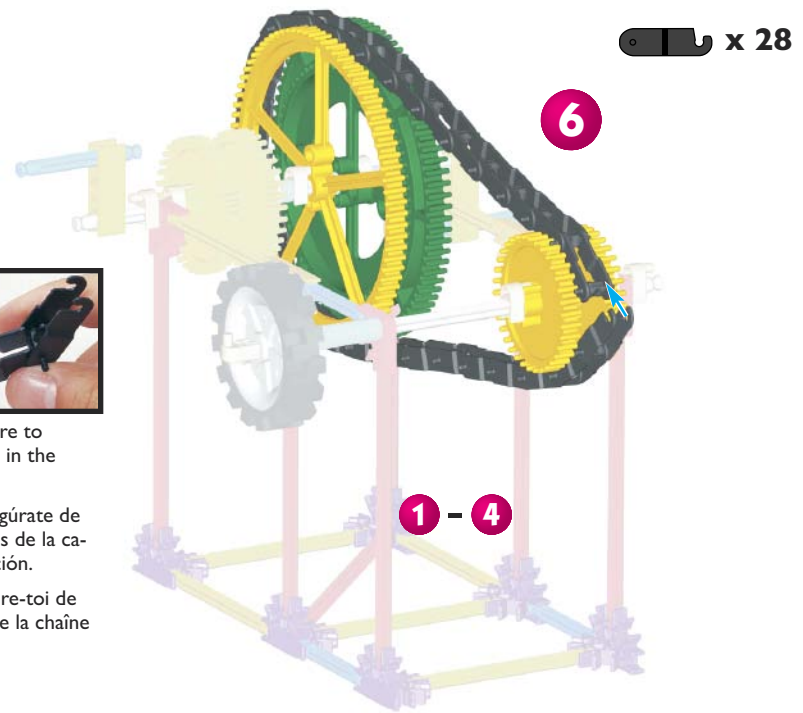
1 - 4



IMPORTANT: Be sure to attach all the chain links in the same direction.

IMPORTANT: Asegúrate de fijar todos los elementos de la cadena en la misma dirección.

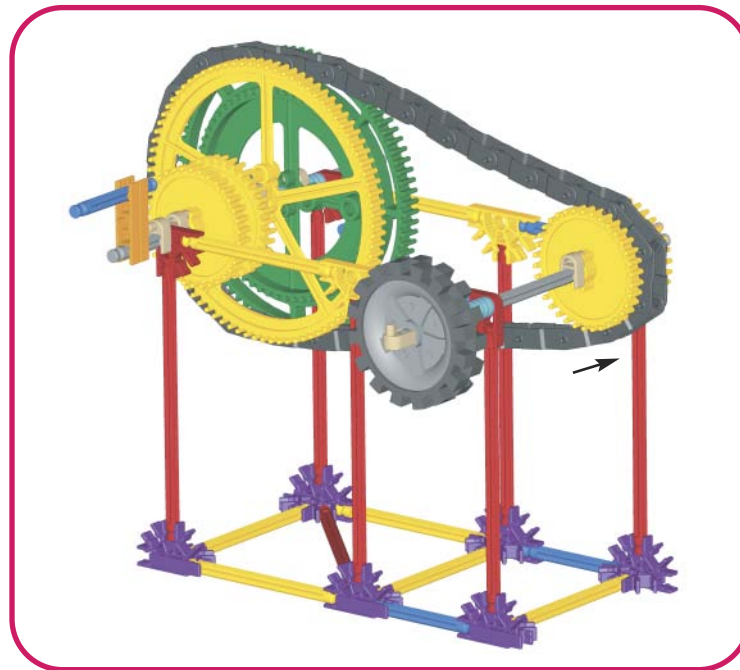
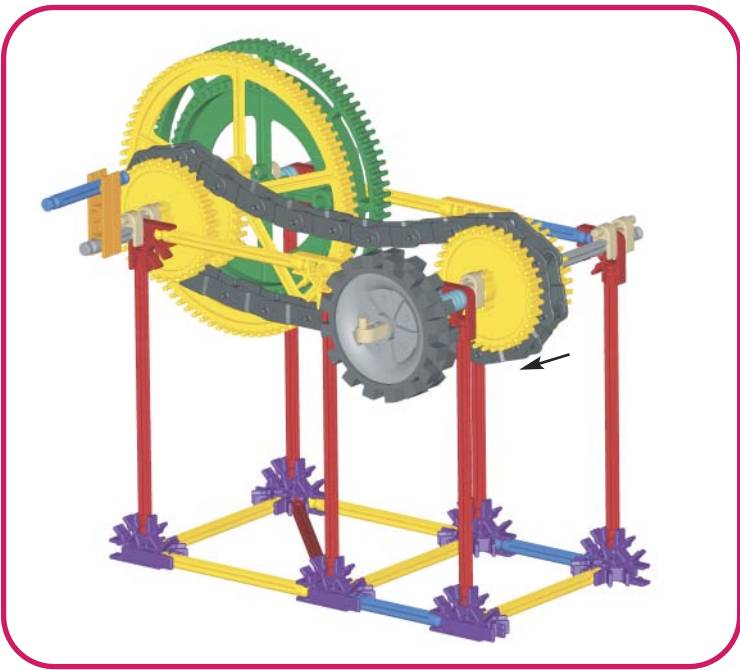
IMPORTANT : Assure-toi de fixer tous les maillons de la chaîne dans le même sens.



x 28

6

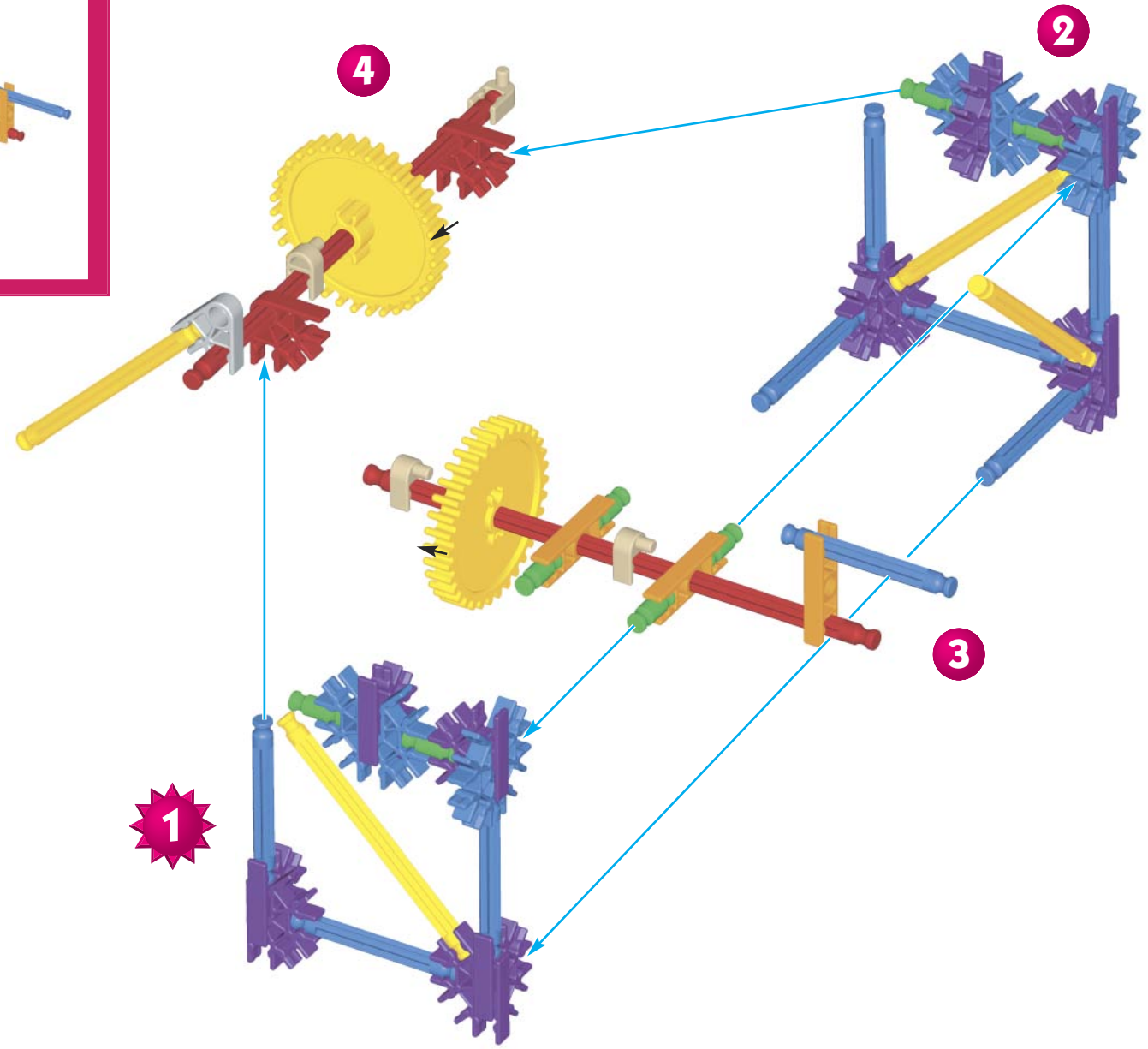
1 - 4



Crown Gear

Engranajes de corona

Engrenages de couronne



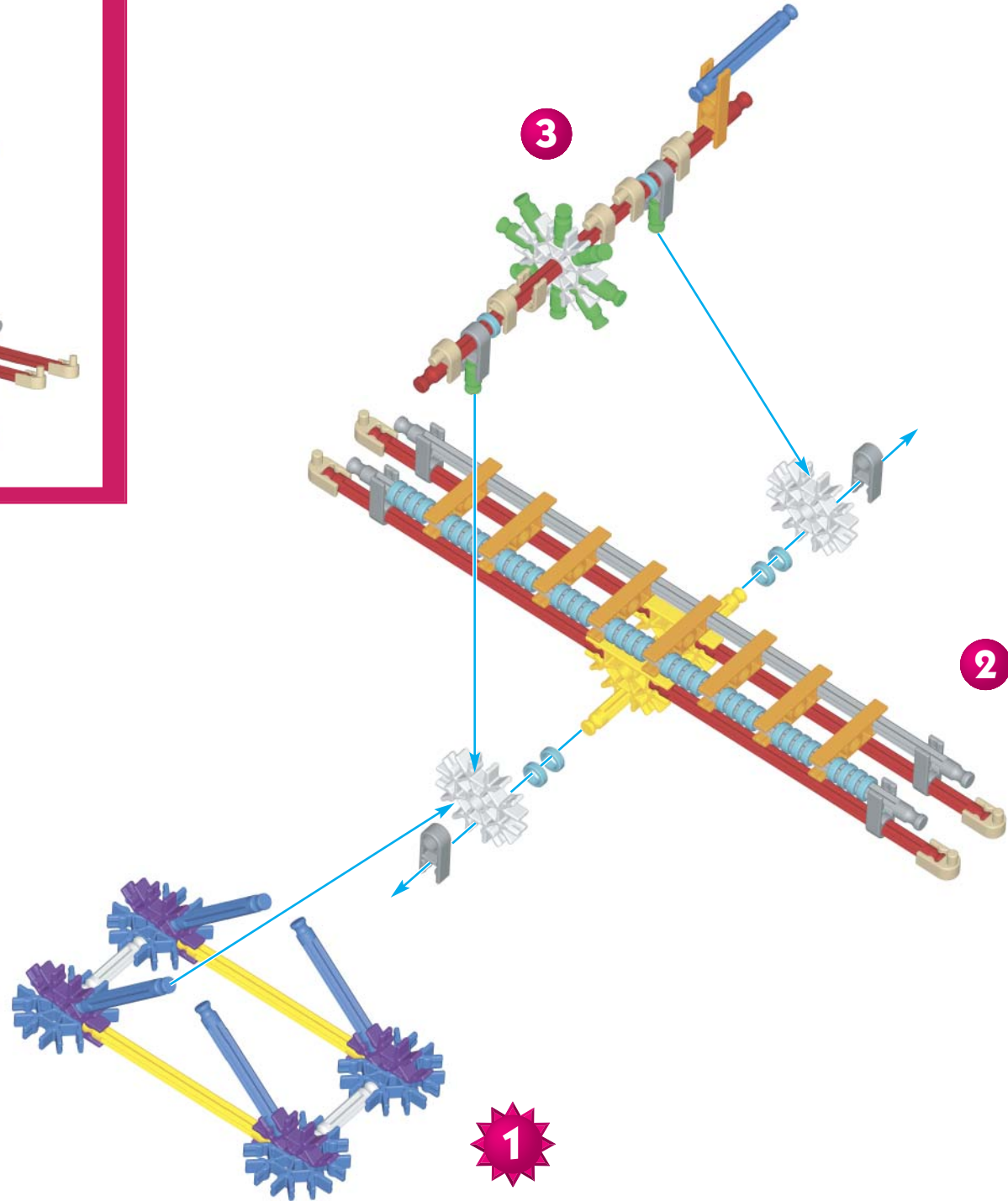
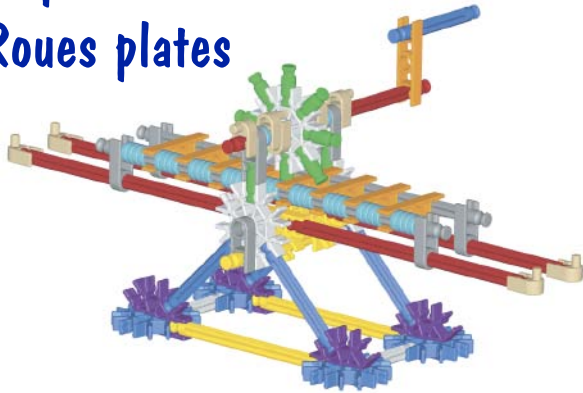
K'NEX Education

4		8		2	
3		9			
1		4			
2		2			
12					
4					

Rack and Pinion

Cremallera y engranaje de piñón

Roues plates



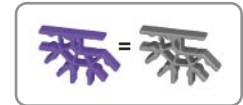
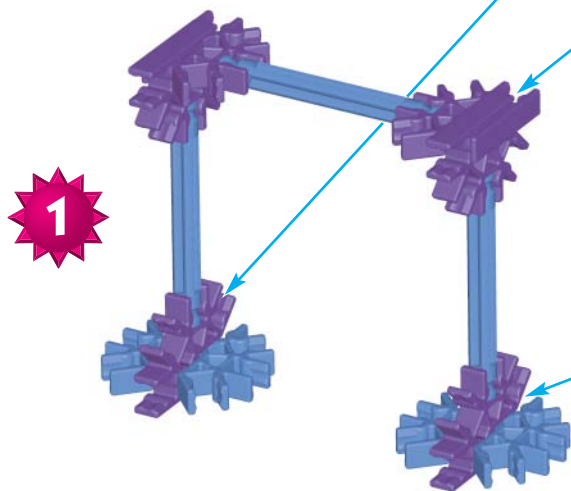
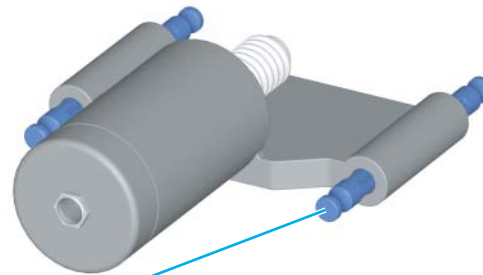
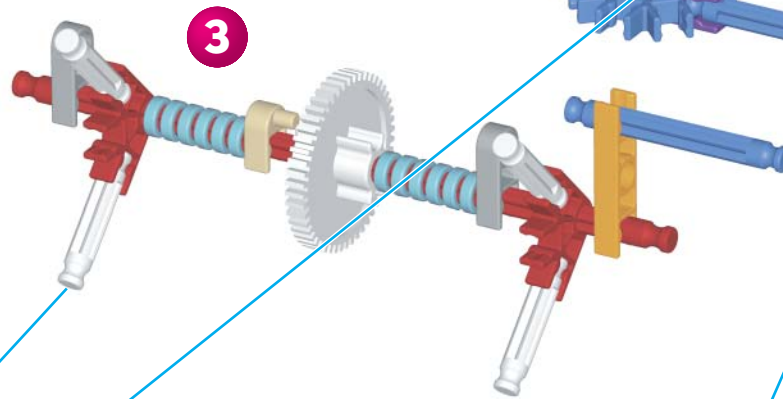
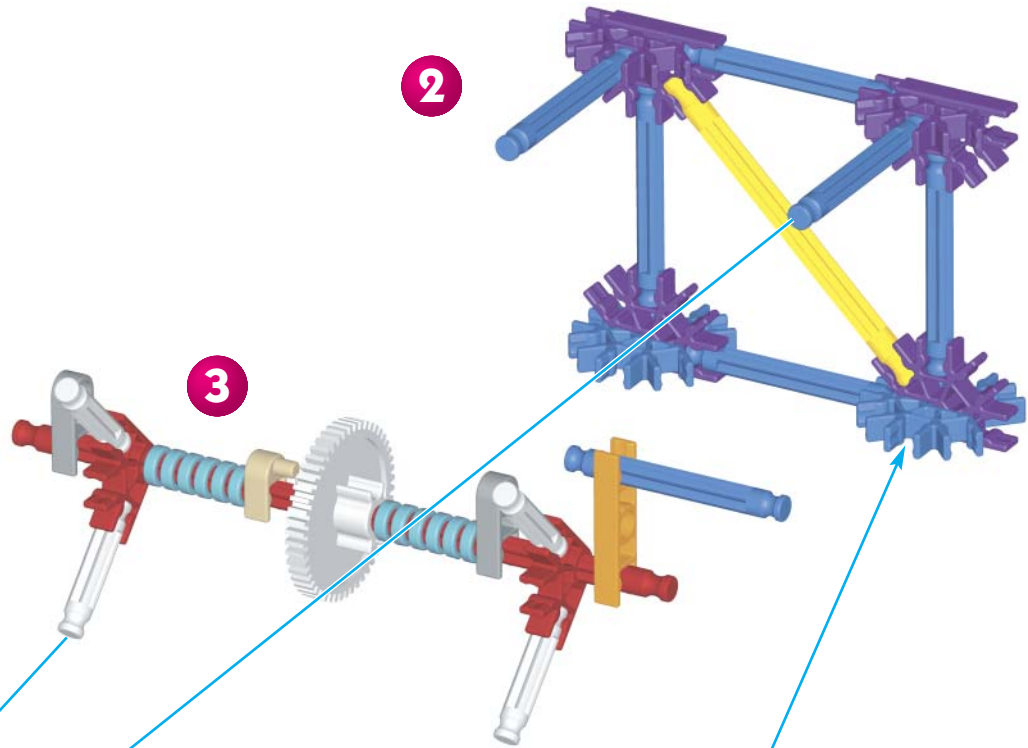
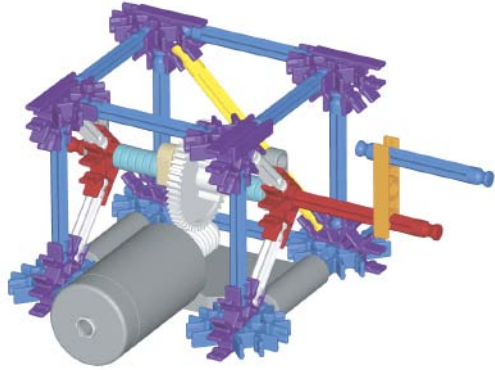
K'NEX Education

10	⇒	42	○
8	≡	10	—
9	≡	2	≡
2	⊙	5	—
4	⊙	3	—
4	⊙	5	—
3	⊙	2	—

Simple Worm & Worm Gear

Gusano y engranaje

Roue à vis



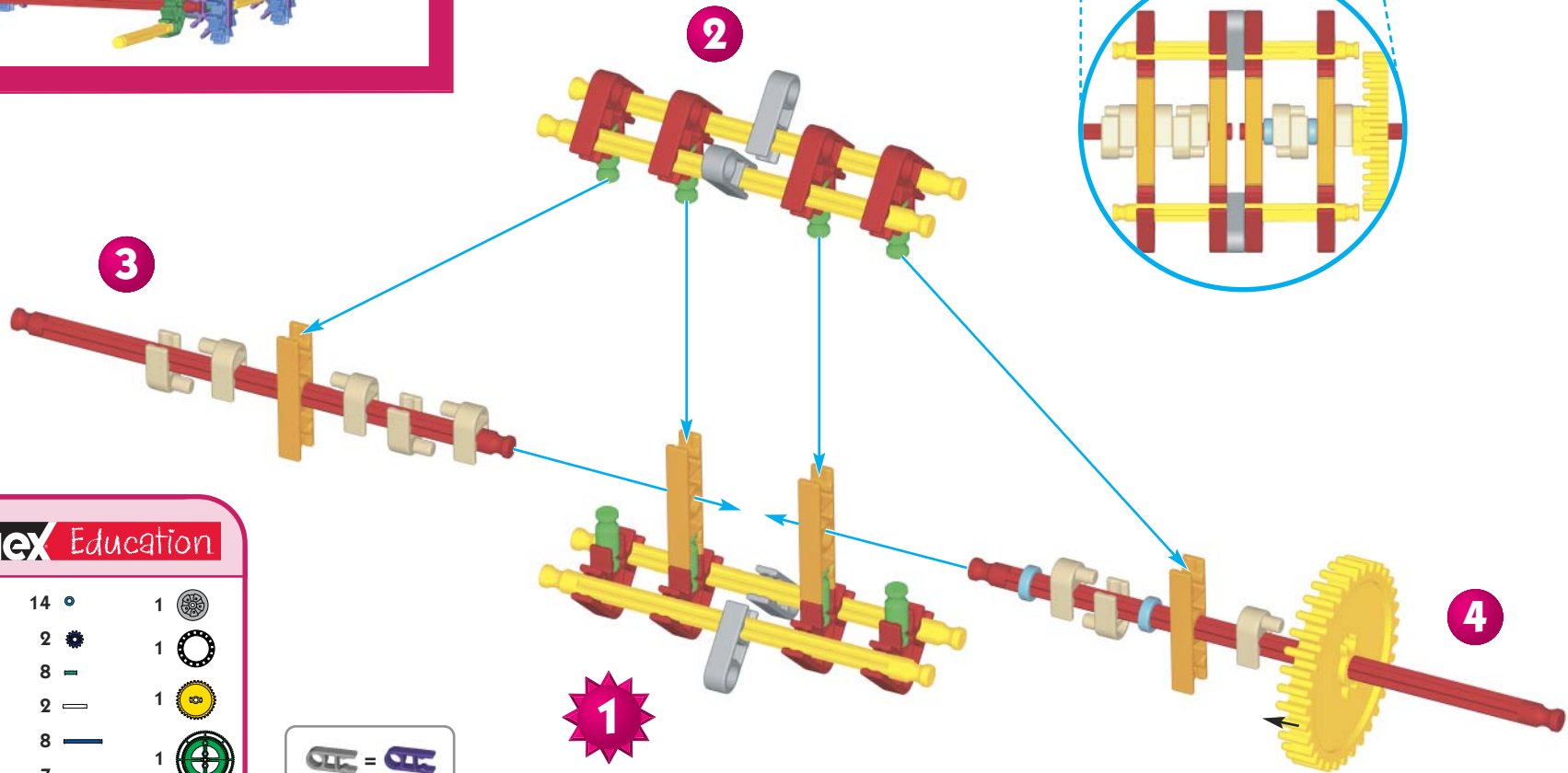
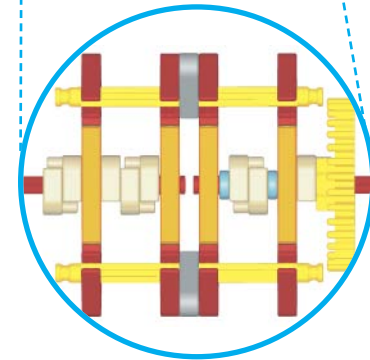
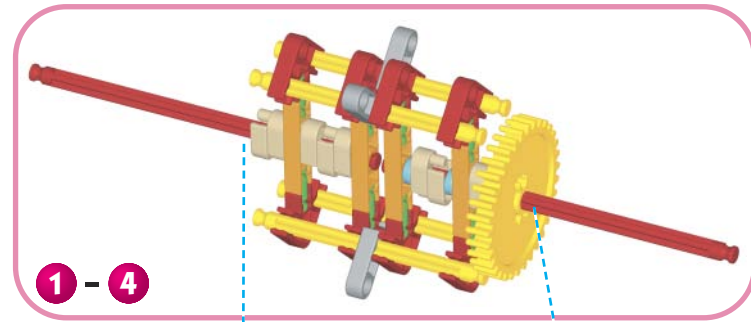
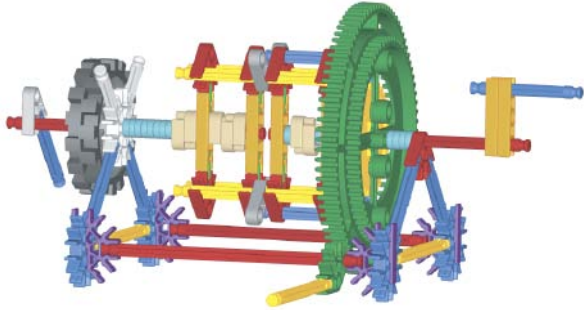
K'NEX Education

1	12	1
2	4	1
1	12	1
2	1	1
12	1	1
4		

Planetary Gear

Engranajes planetarios

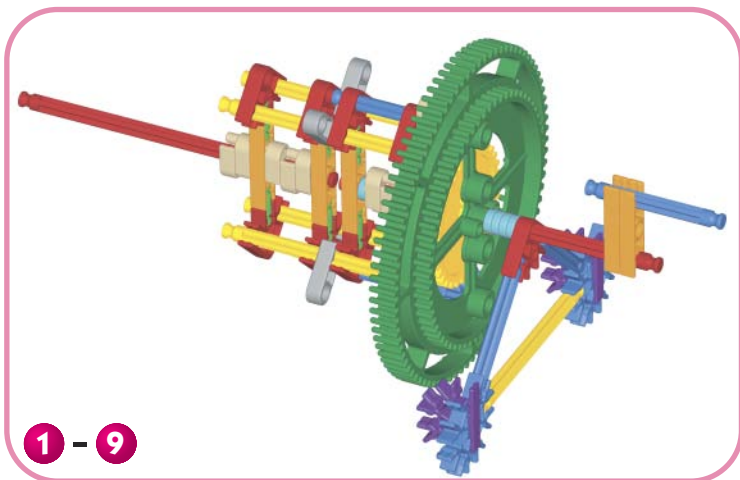
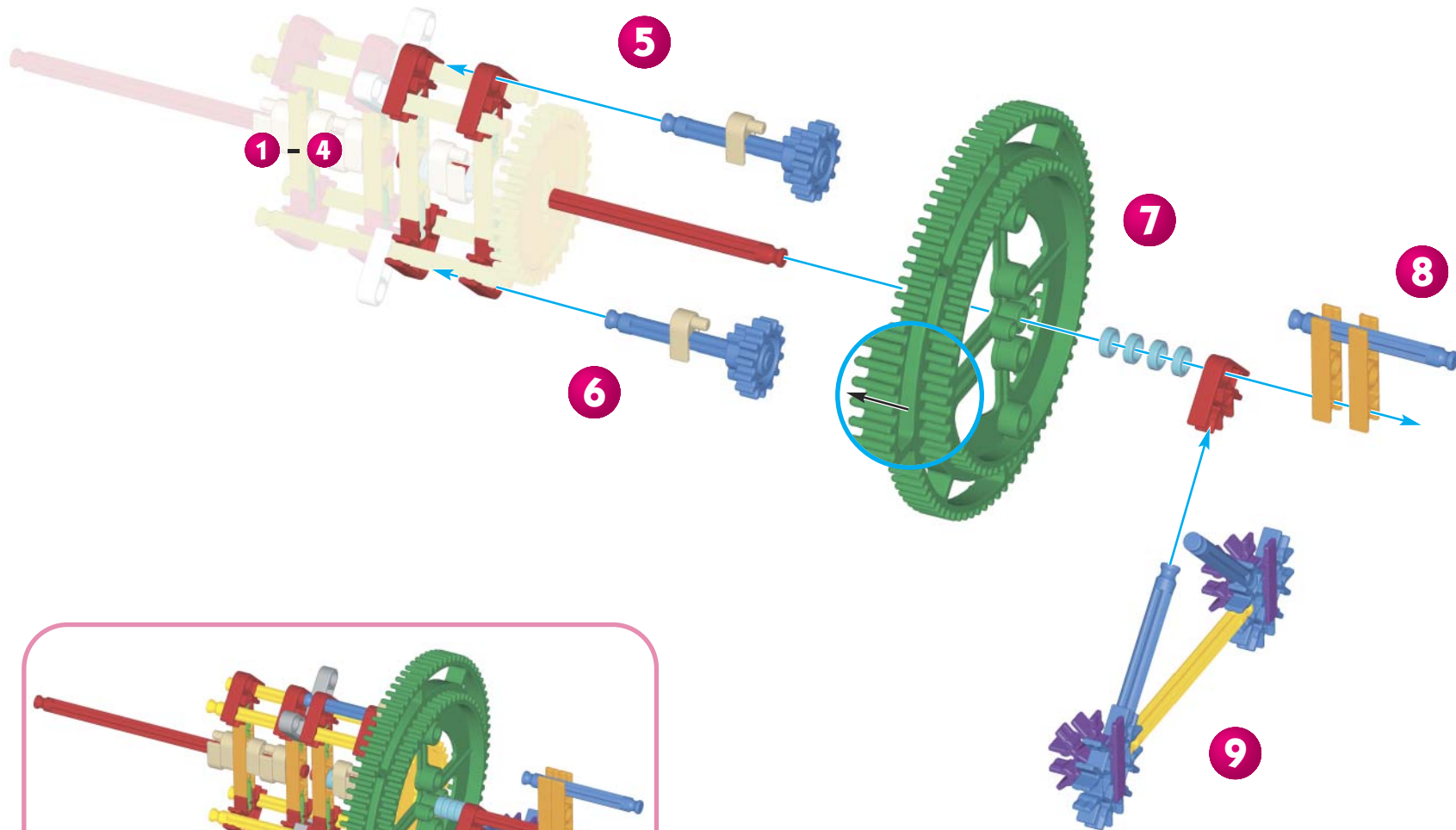
Engrenages planétaires

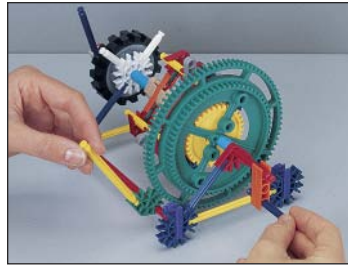


K'NEX Education

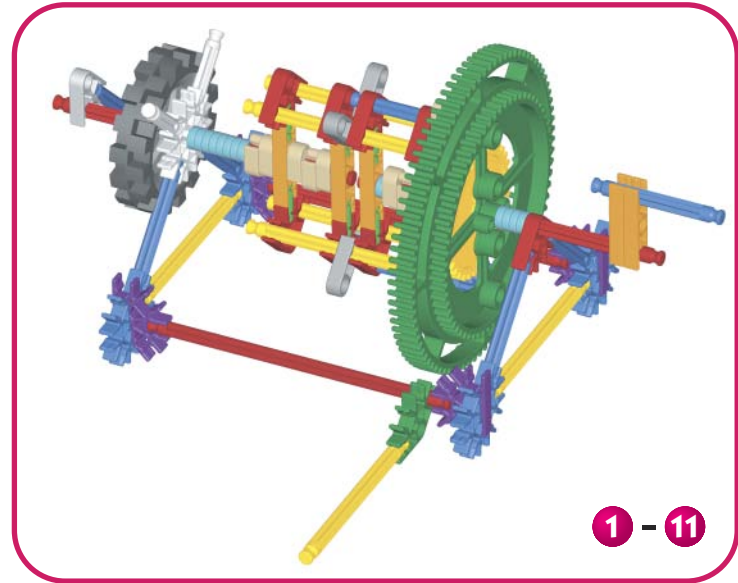
11	14	1
4	2	1
6	8	1
1	2	1
9	8	1
1	7	1
4	4	
4		
1		



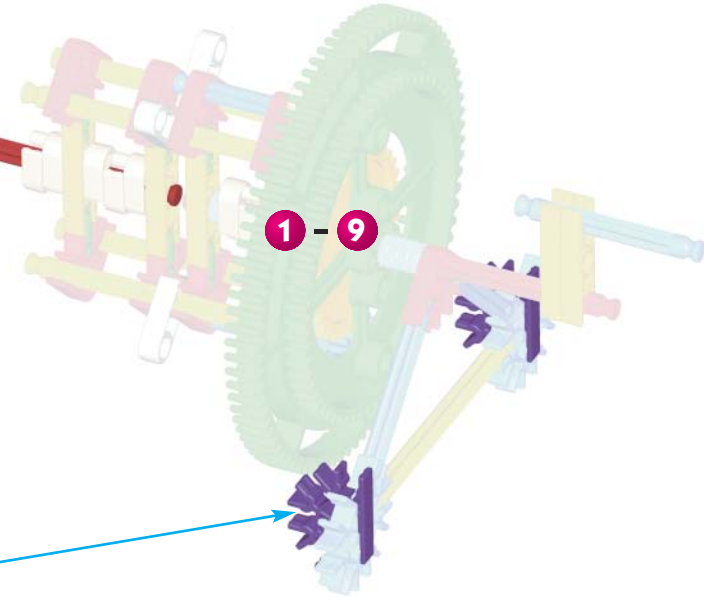
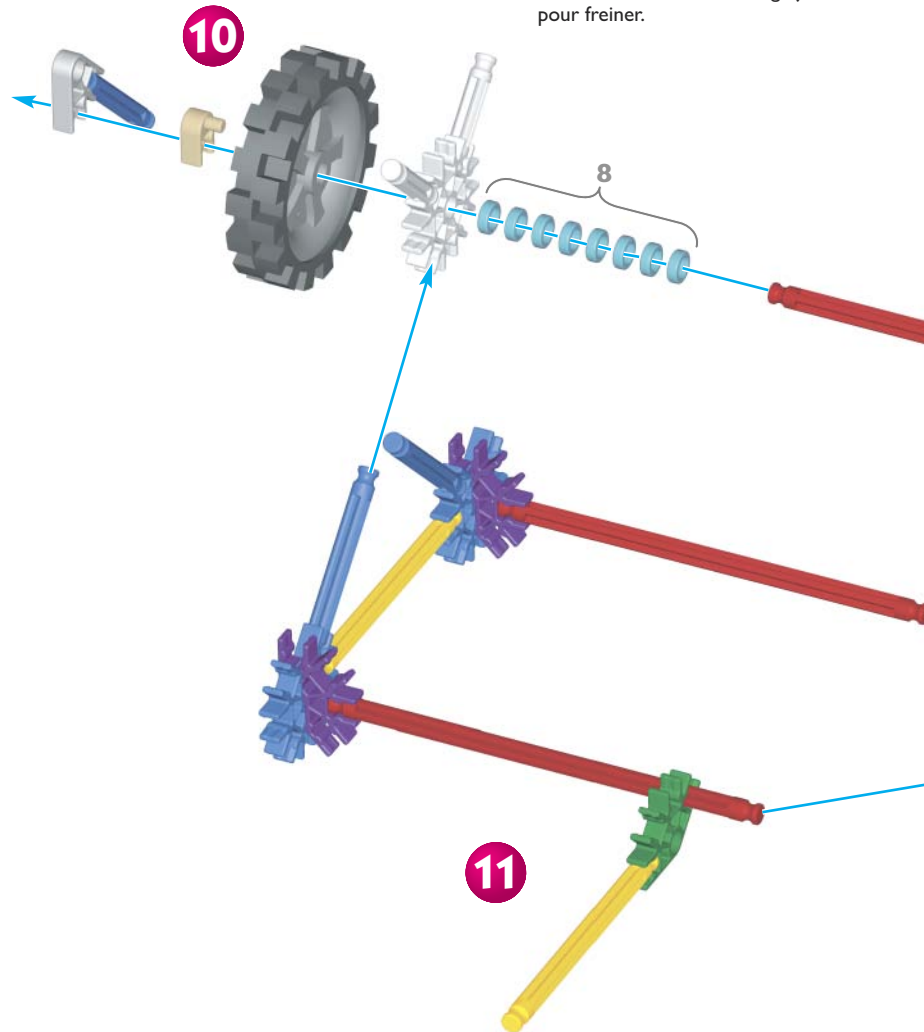




Pull up on yellow Rod to apply "brake".
 Tire de la barra amarilla para aplicar "freno".
 Tirer sur la barre de relevage jaune pour freiner.



1 - 11

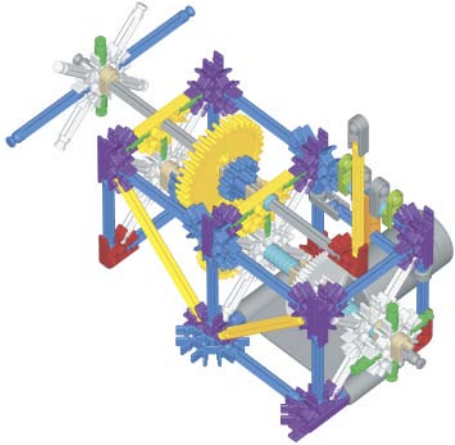


1 - 9

Simple Transmission

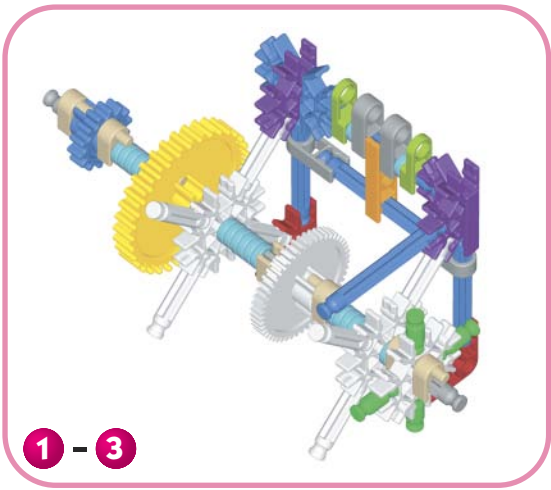
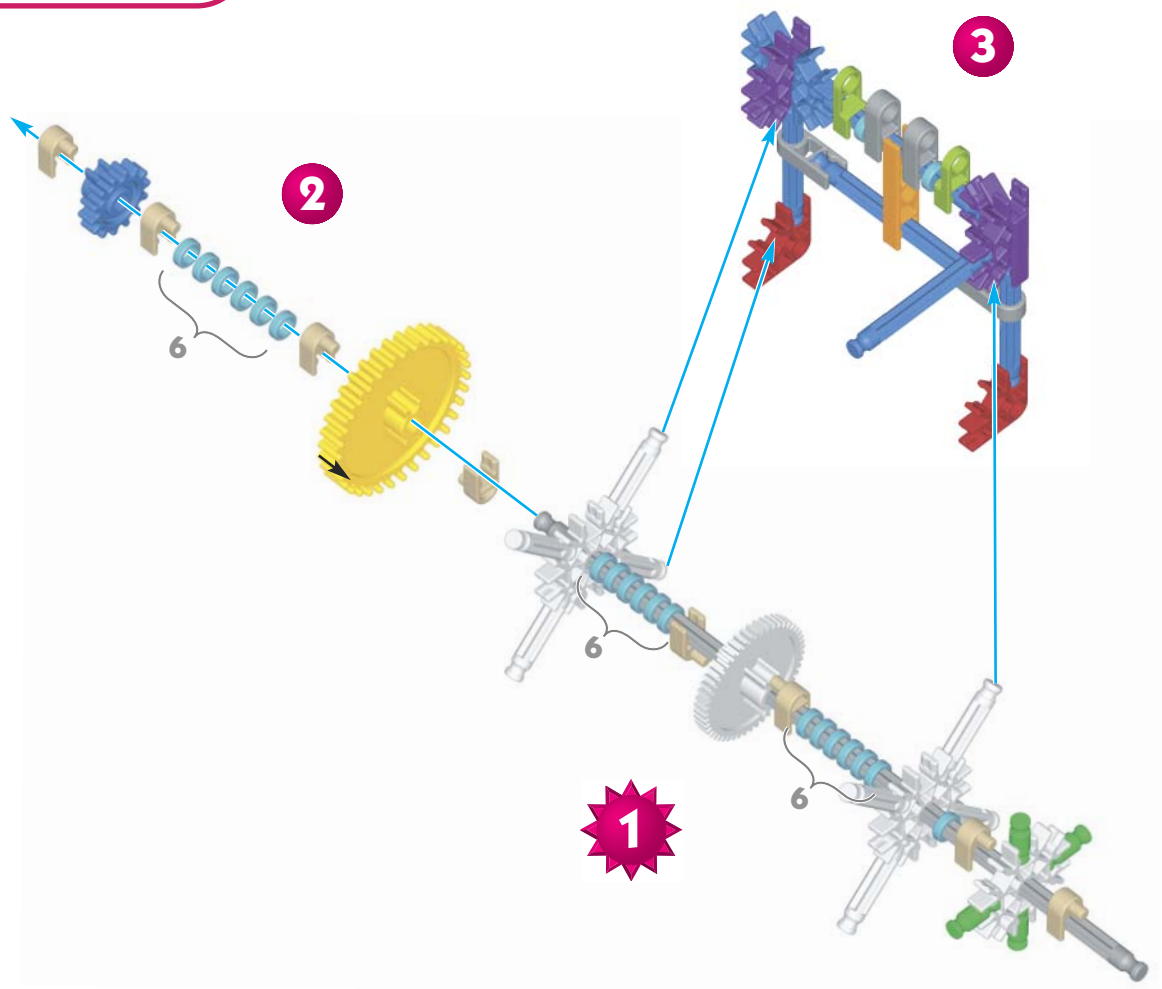
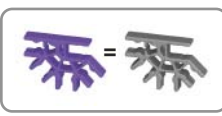
Transmisión simple

Transmission unique

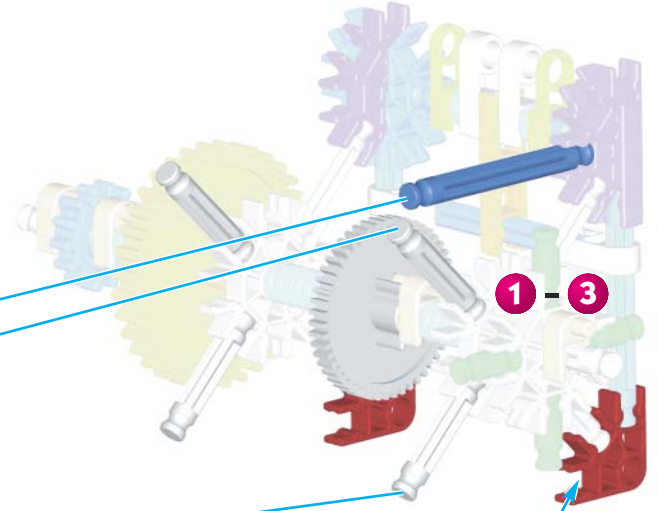
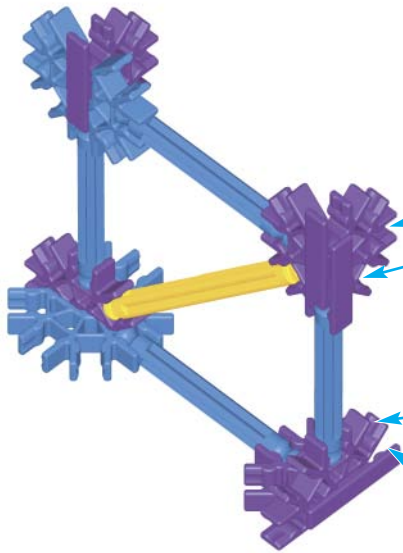


K'NEX Education

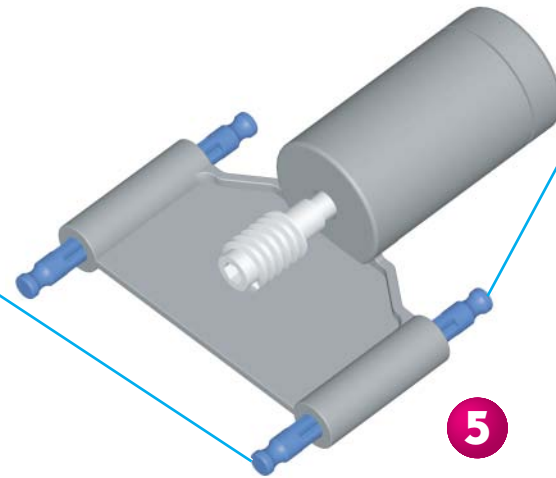
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|----|--|----|--|---|--|
| 13 | | 2 | | 1 | |
| 5 | | 2 | | 2 | |
| 1 | | 22 | | 1 | |
| 5 | | 12 | | 1 | |
| 2 | | 16 | | 1 | |
| 13 | | 18 | | 1 | |
| 3 | | 3 | | | |
| 5 | | 2 | | | |



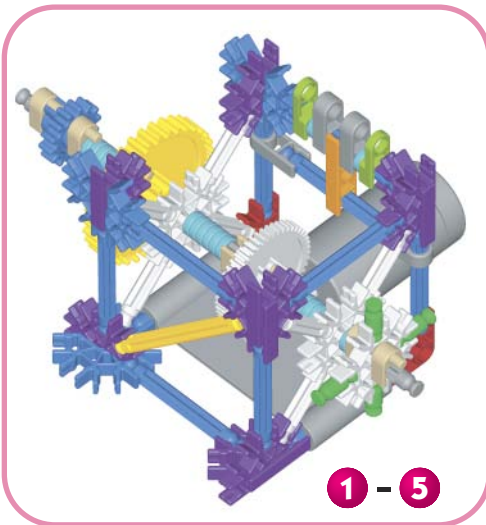
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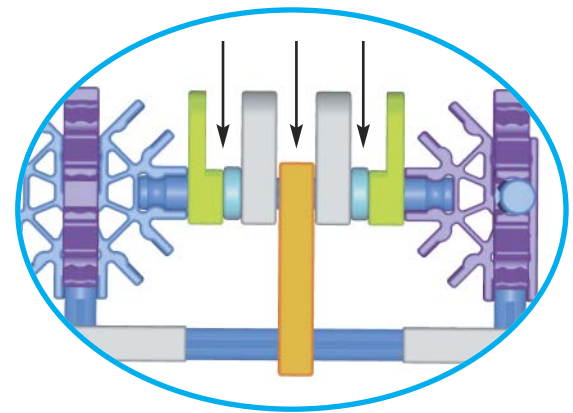
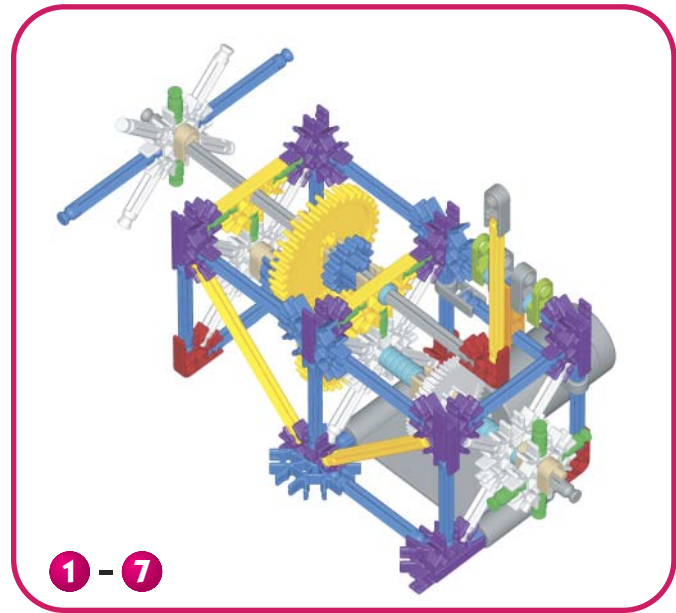
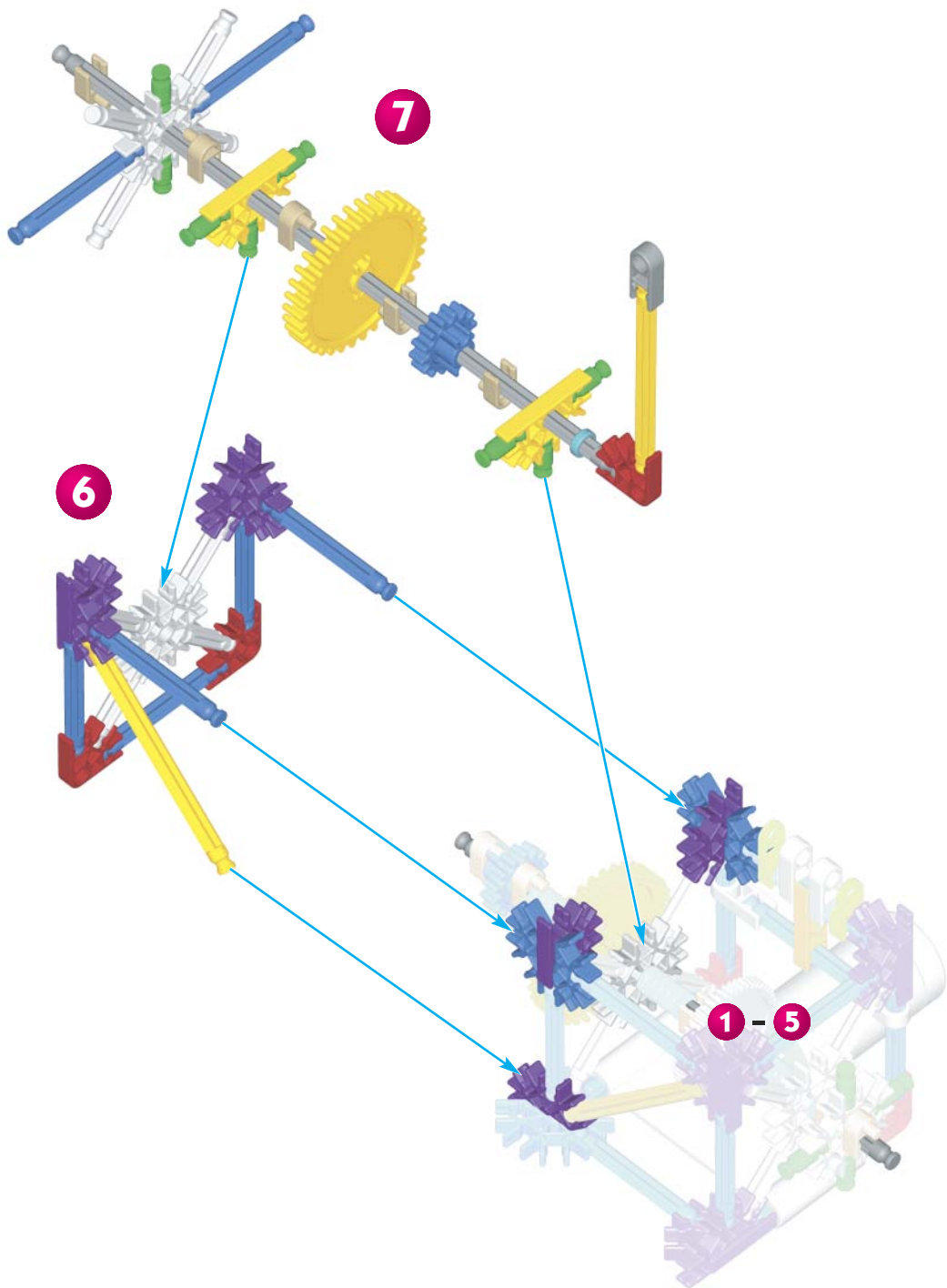
1 - 3



5



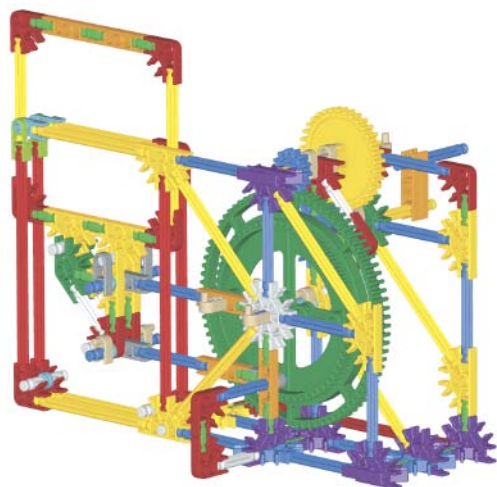
1 - 5



Car Window

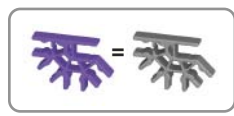
Ventanilla de coche

Fenêtre d'auto

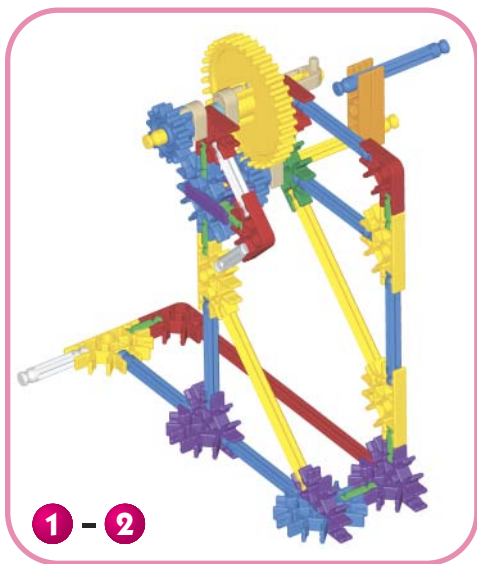
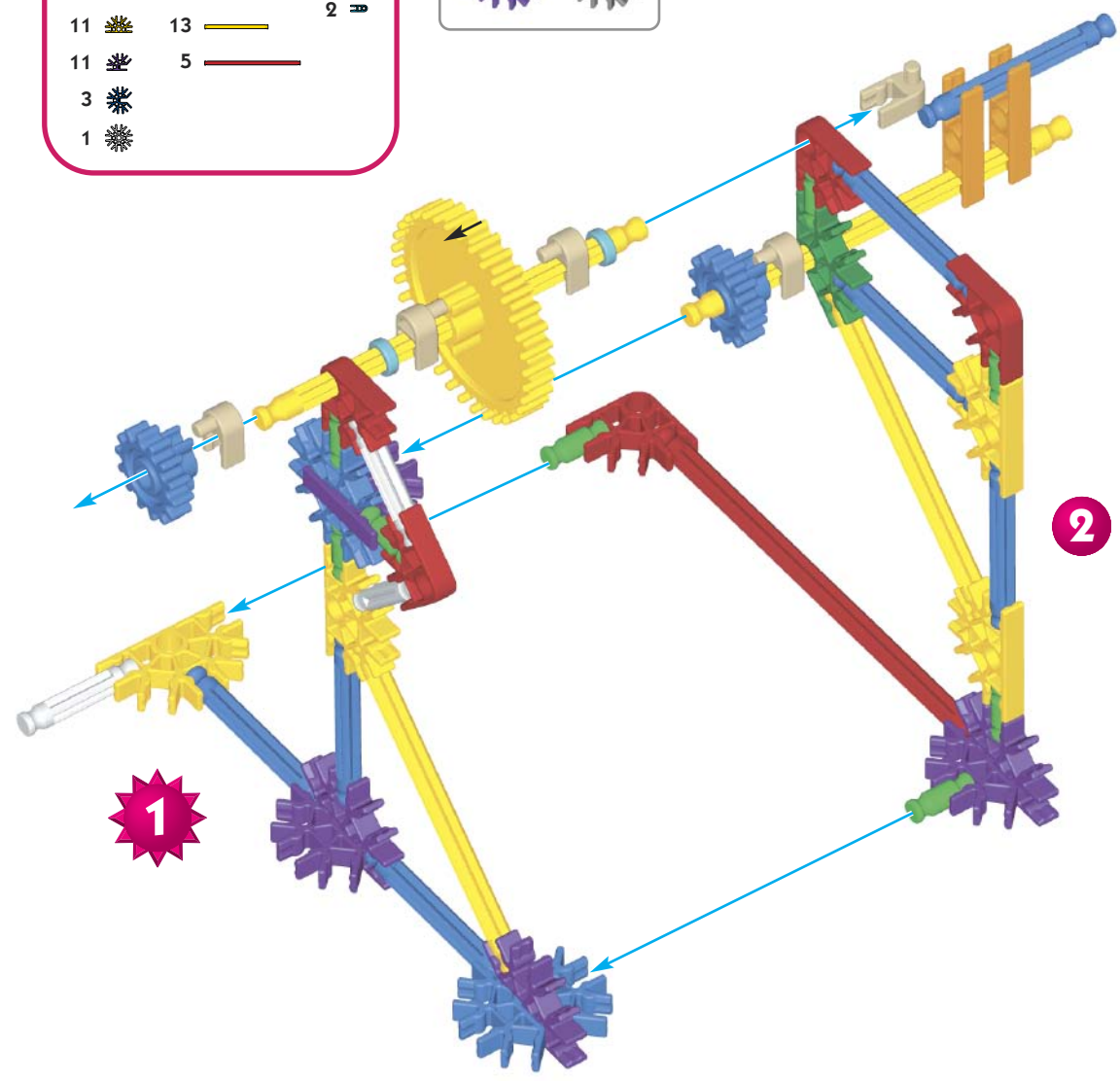


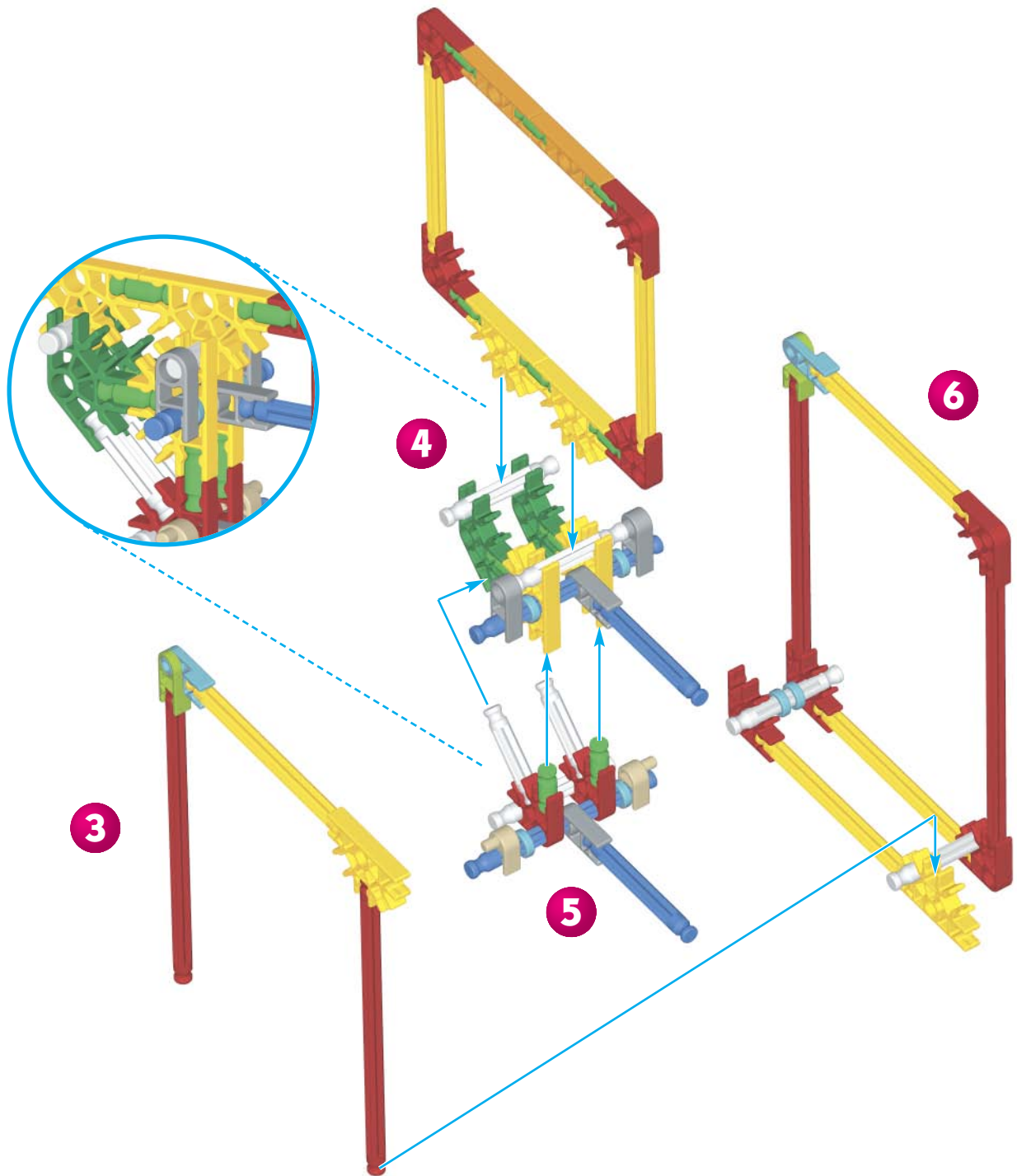
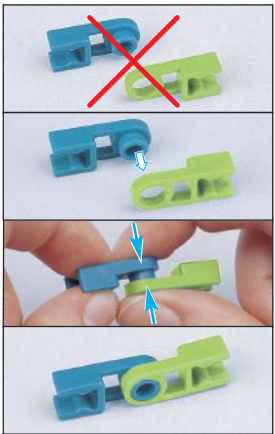
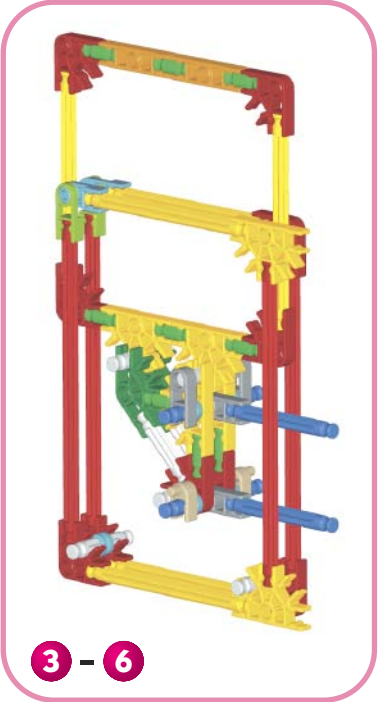
K'NEX Education

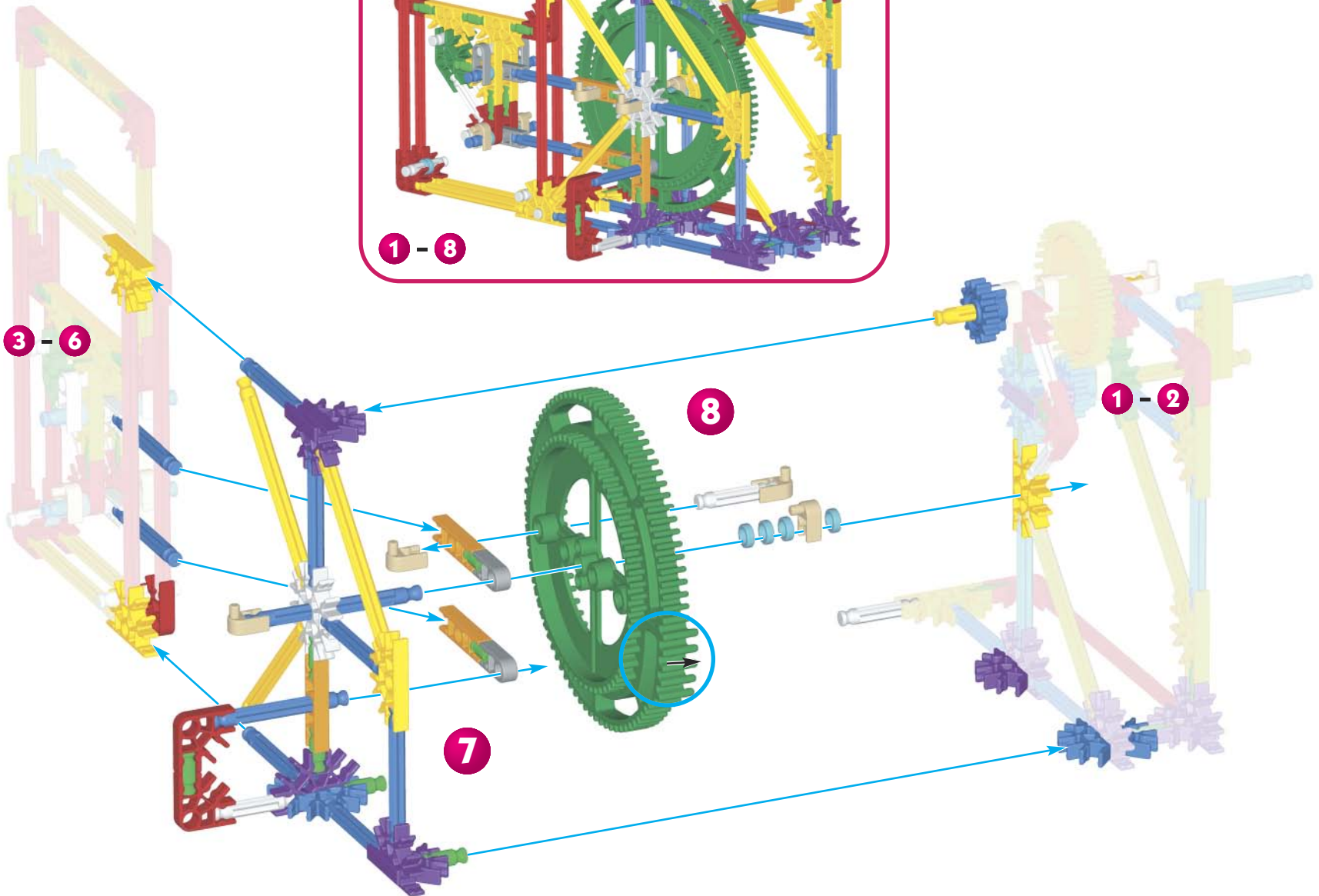
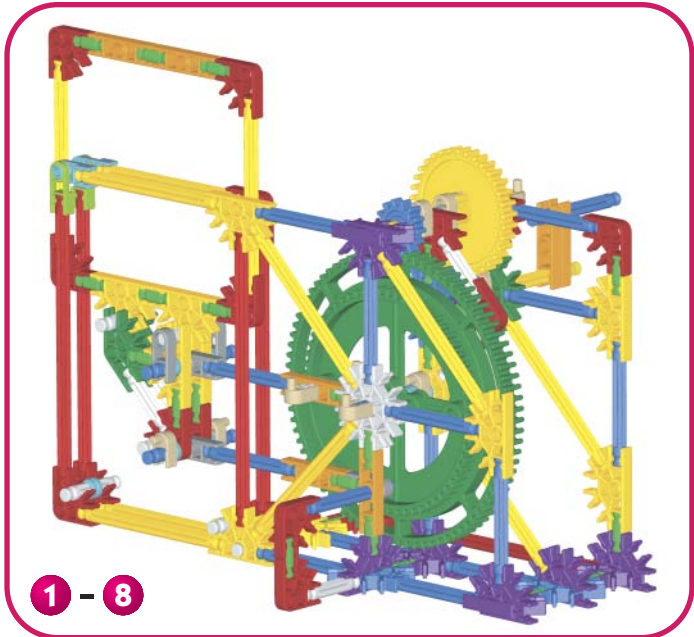
- | | | | | | |
|----|---|----|---|---|---|
| 11 | ⇒ | 12 | ○ | 1 | |
| 6 | ≡ | 2 | ⊙ | | |
| 7 | ≡ | 25 | — | 1 | |
| 17 | ≡ | 12 | — | | |
| 3 | ≡ | 19 | — | 2 | ≡ |
| 11 | ≡ | 13 | — | 2 | ≡ |
| 11 | ≡ | 5 | — | | |
| 3 | ≡ | | | | |
| 1 | ≡ | | | | |



Note: Do not overwind car window.
Nota: No gire demasiado la ventanilla del coche.
Note : Ne pas sur enrrouler la fenêtre de la voiture.



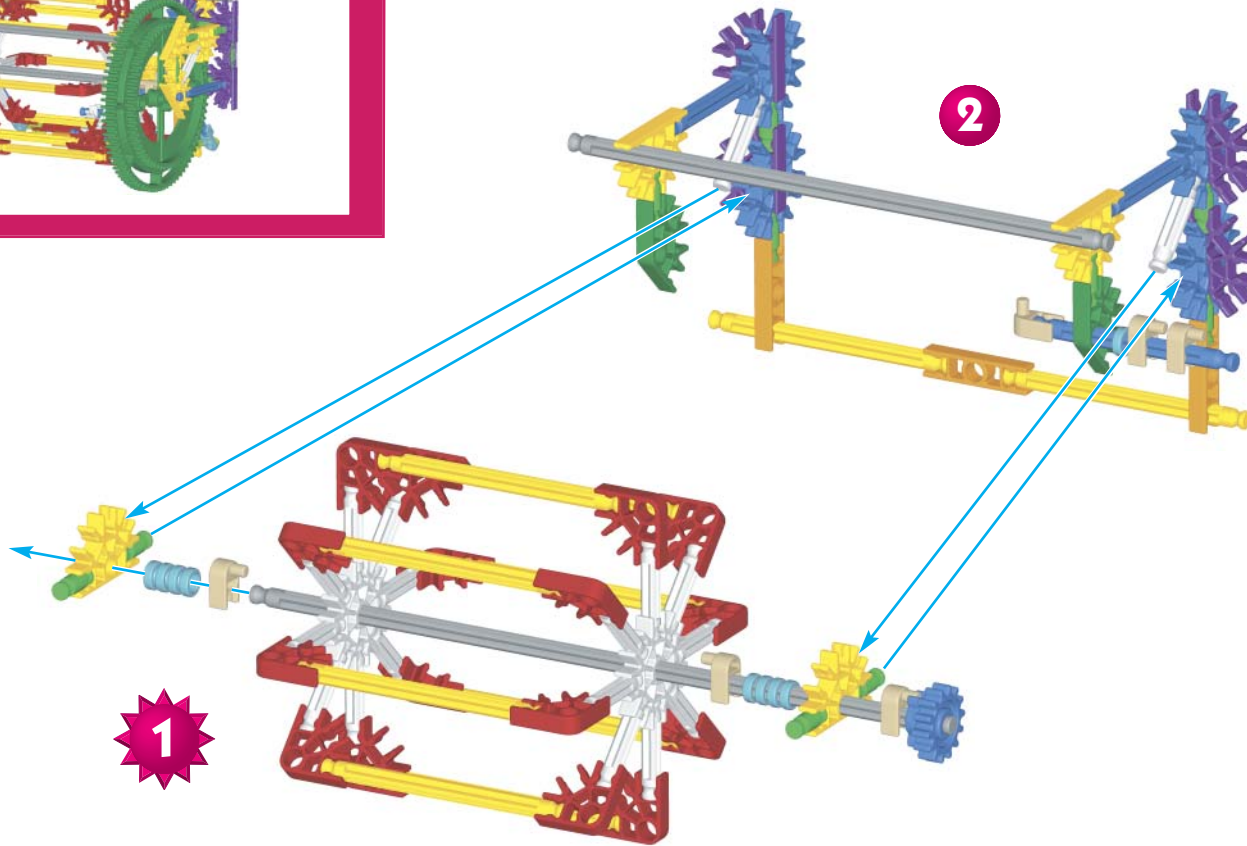
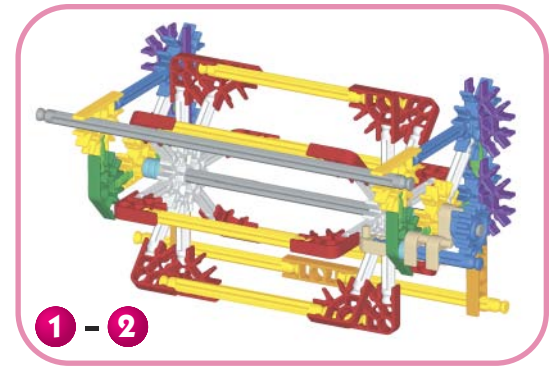




Lawnmower

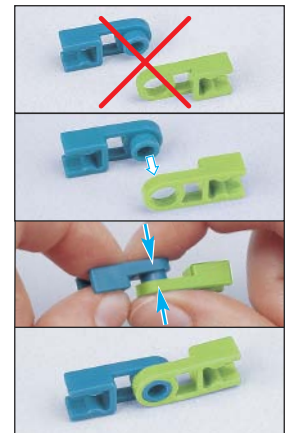
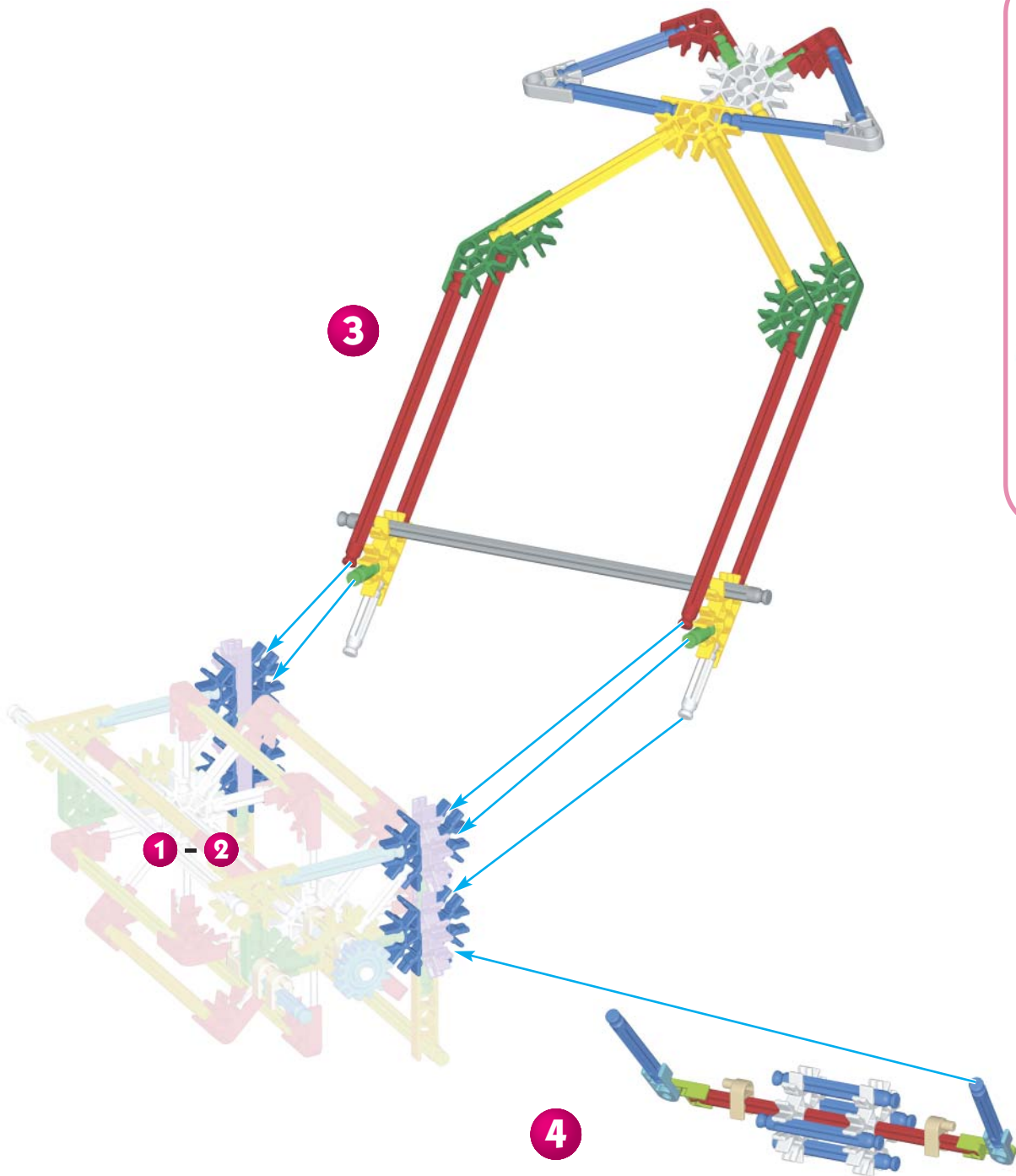
Cortadora de césped

Tondeuse à gazon

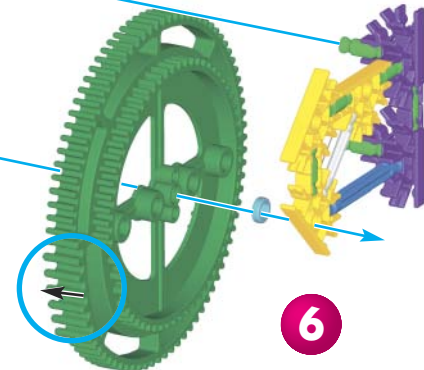
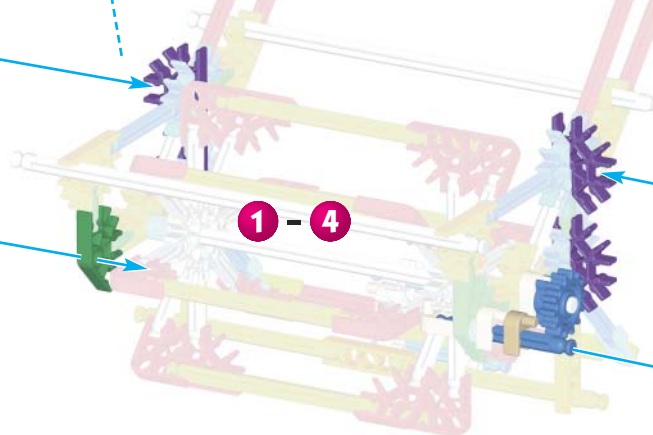
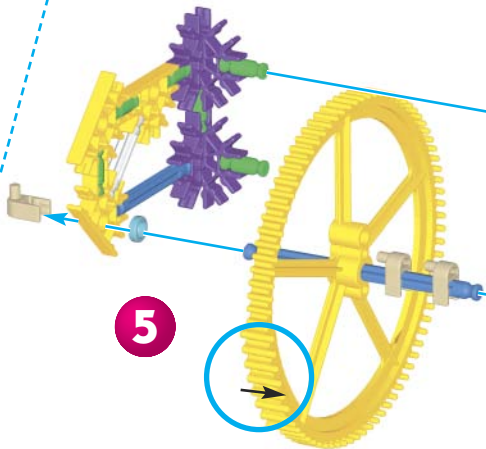
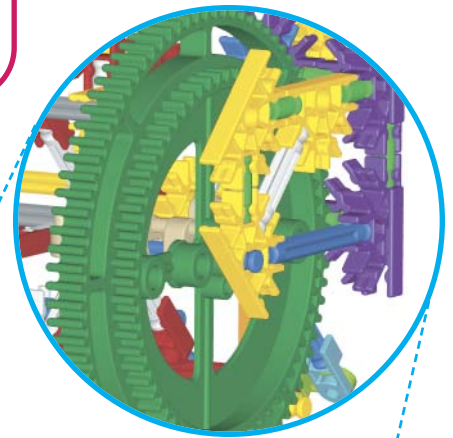
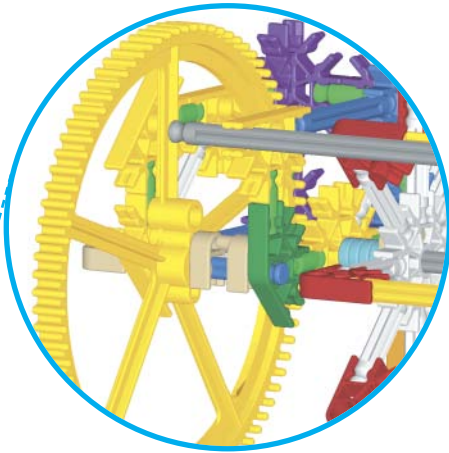
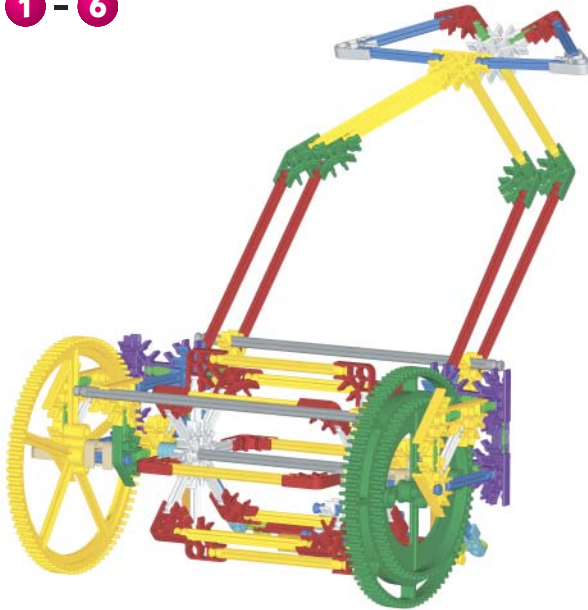


K'NEX Education

11		11		1	
3		1			
2		26		1	
18		22			
6		16		2	
13		14		2	
12		5			
4		3			
5					



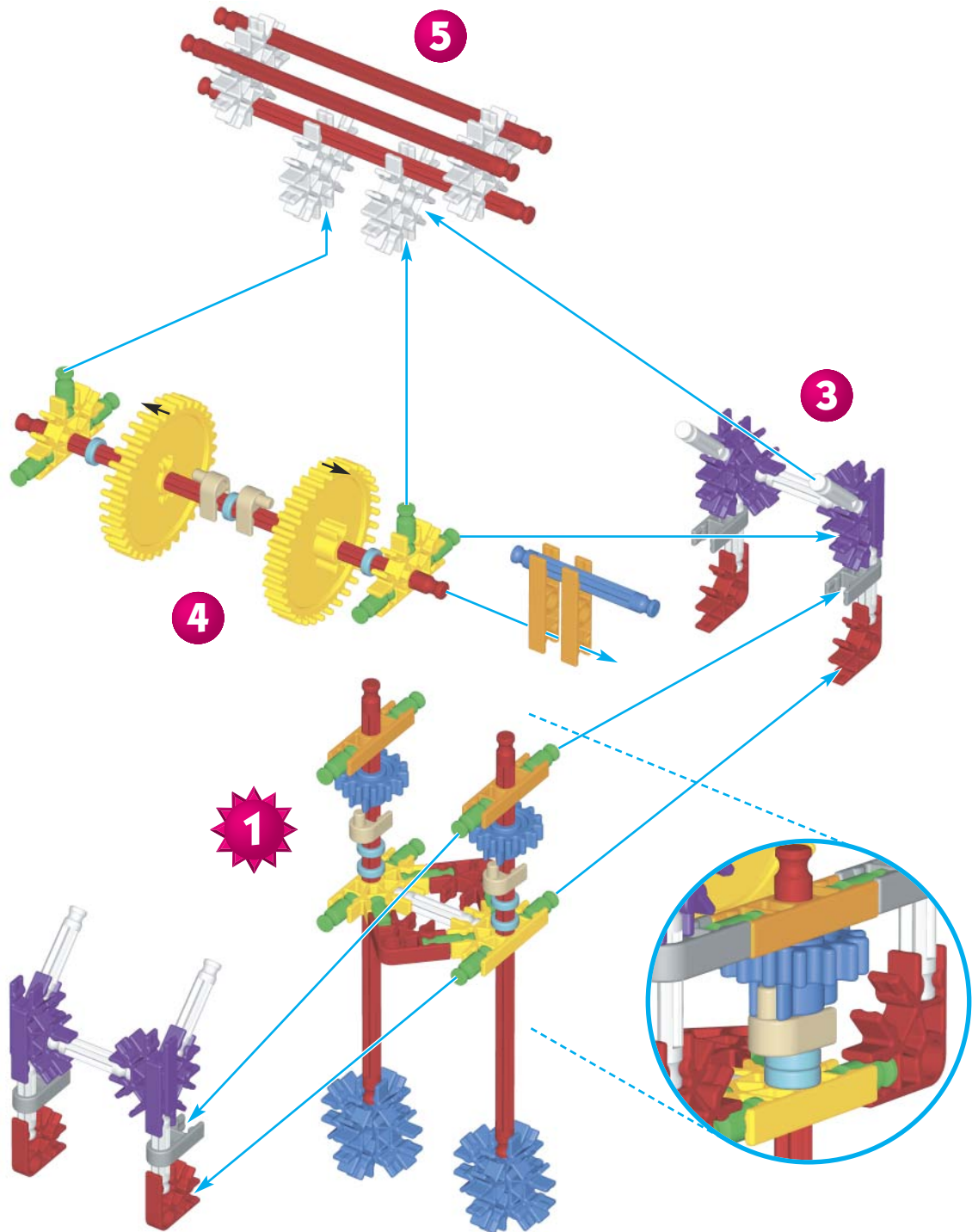
1 - 6



Eggbeater

Batidora de huevos

Fouet à oeufs



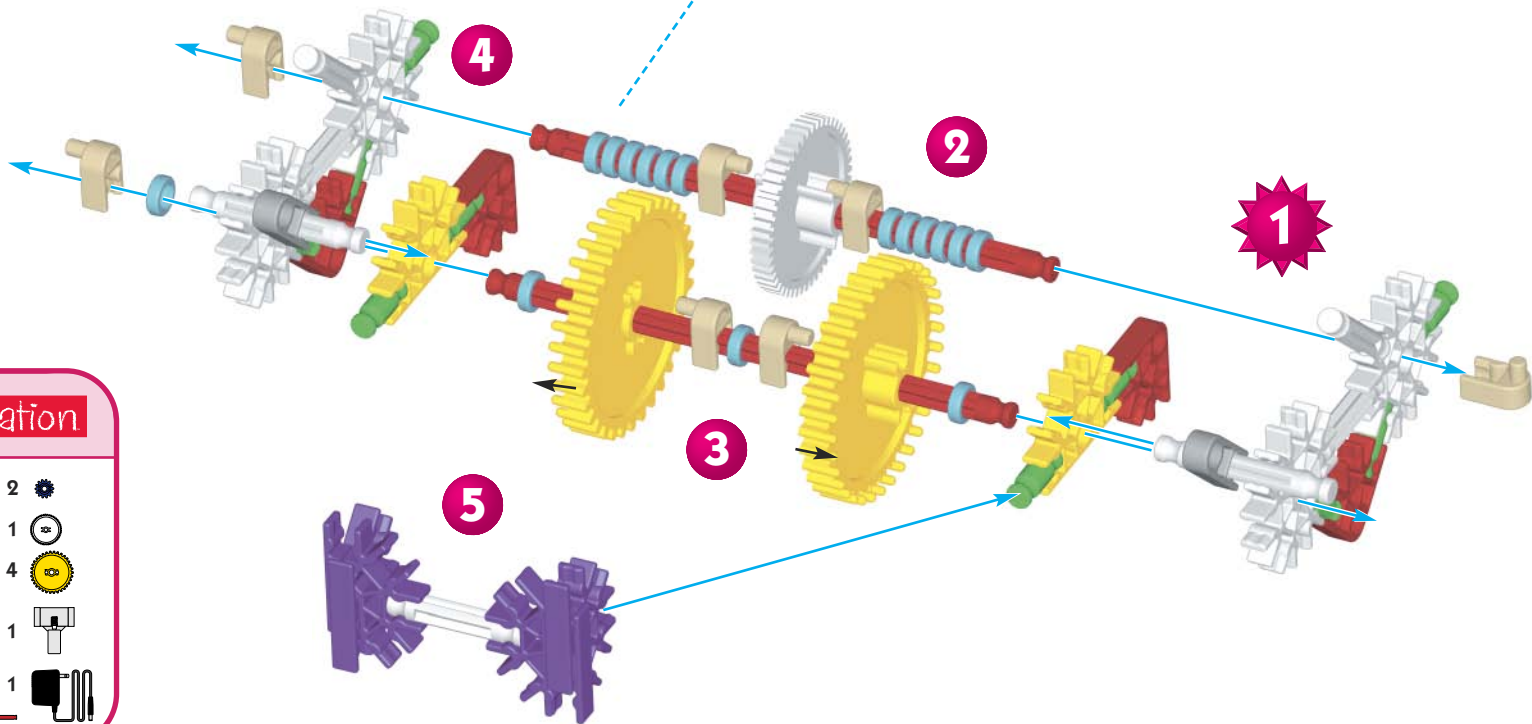
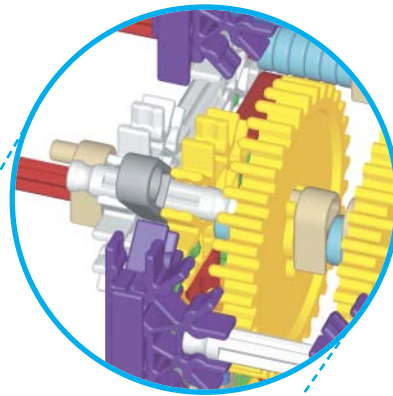
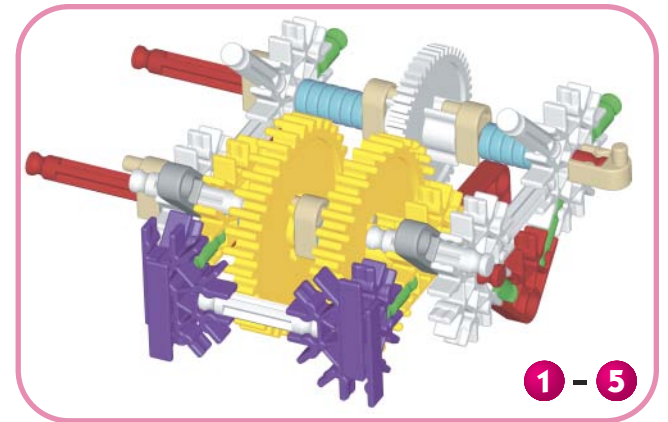
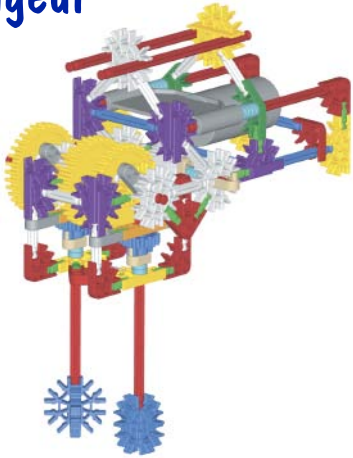
K'NEX Education

- | | | | | | |
|---|--|----|--|---|--|
| 4 | | 7 | | 2 | |
| 4 | | 2 | | | |
| 4 | | 18 | | | |
| 6 | | 11 | | | |
| 4 | | 1 | | | |
| 8 | | 6 | | | |
| 4 | | | | | |
| 4 | | | | | |

Food Mixer

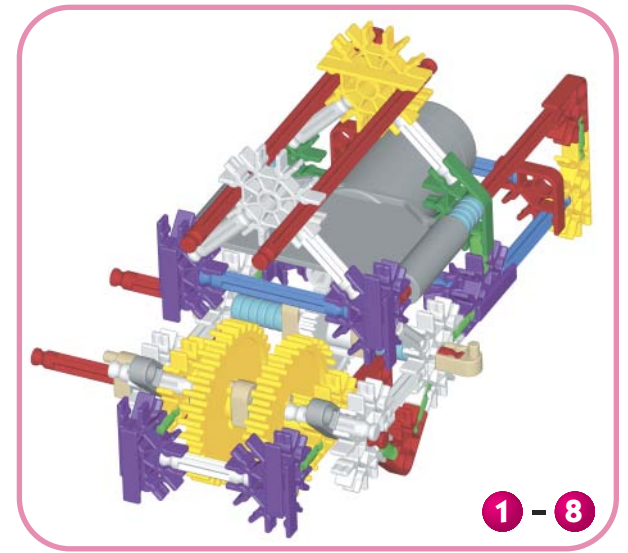
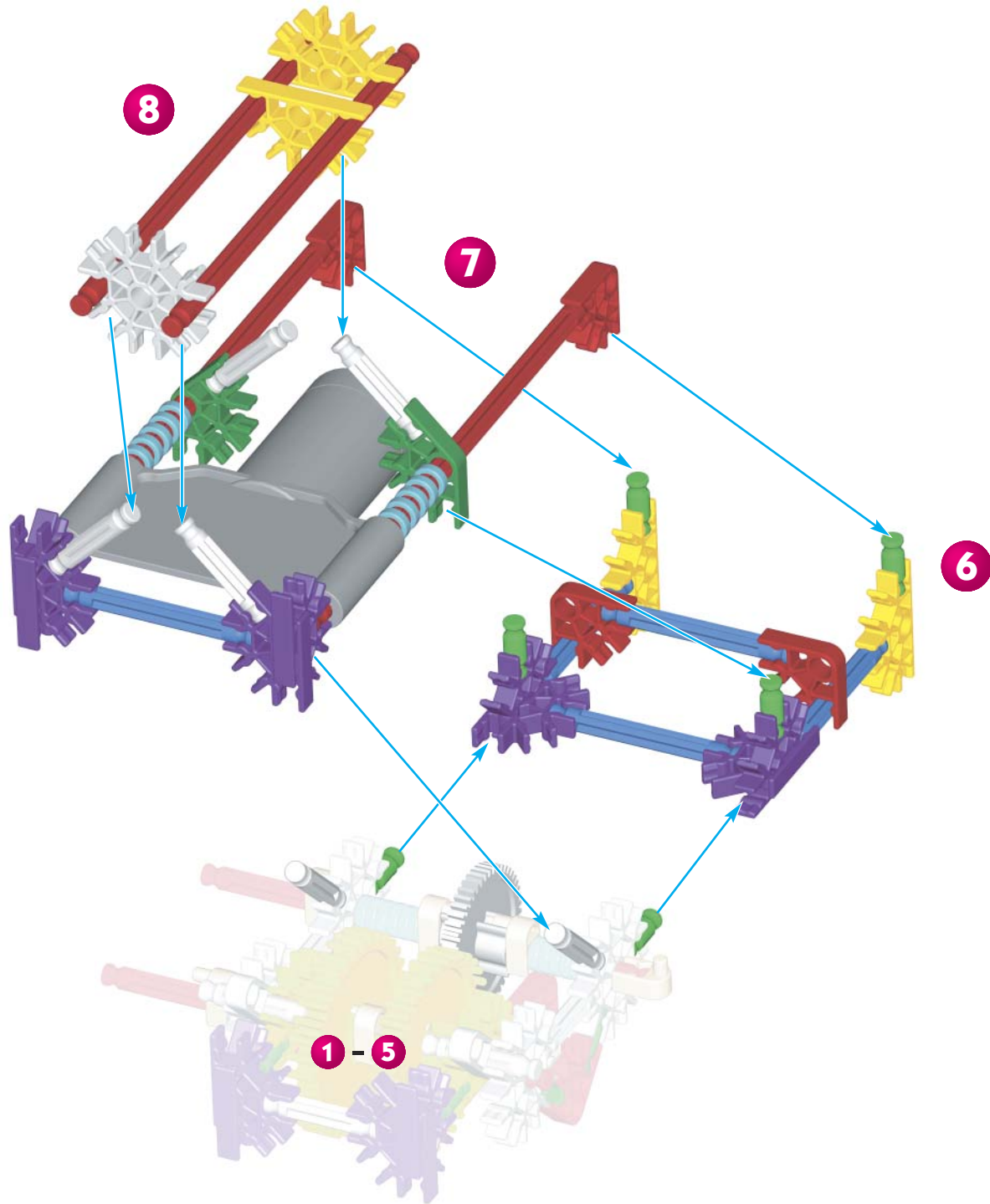
Mezclador de alimentos

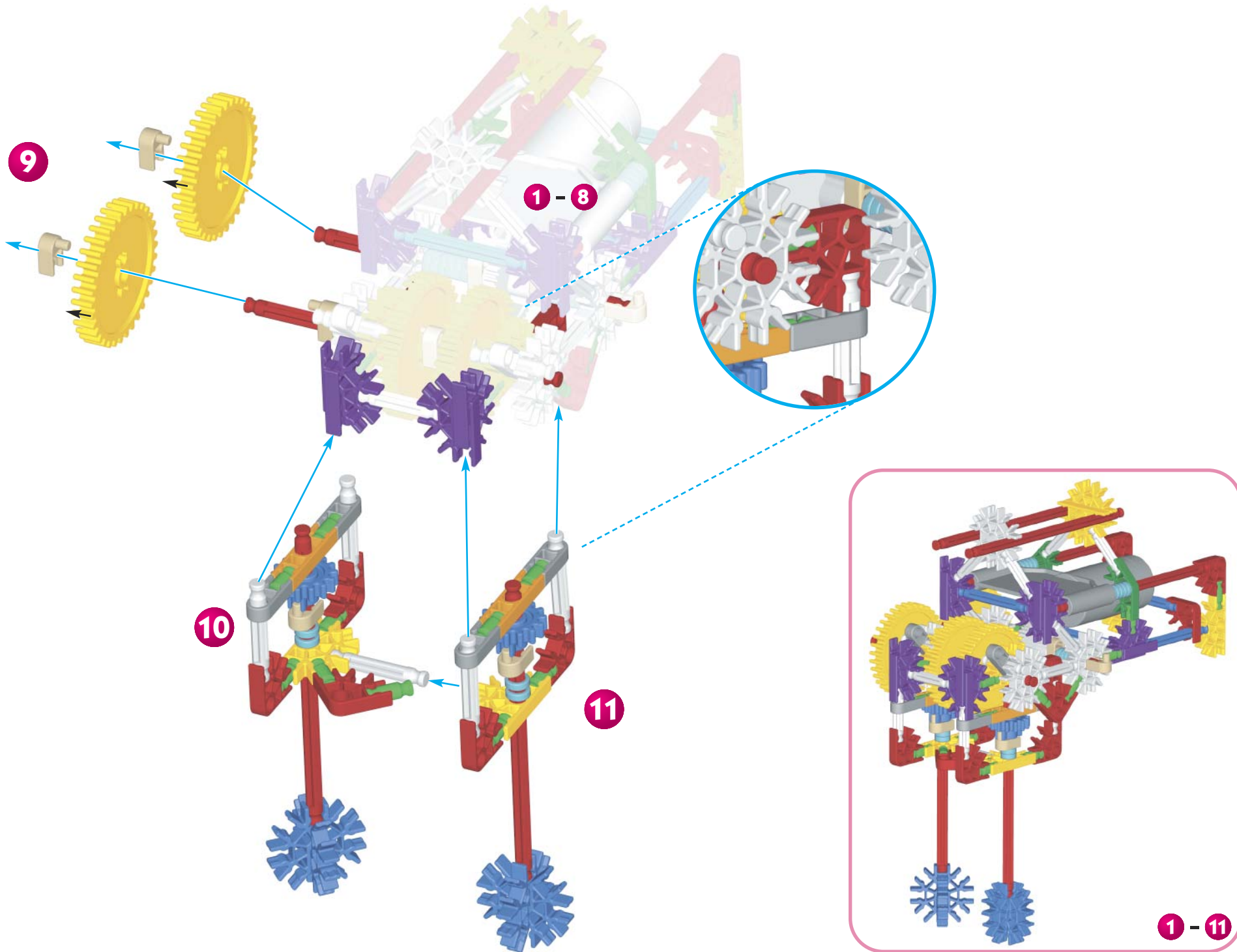
Mélangeur



K'Nex Education

11		4		2	
6		5		1	
2		30		4	
13		24		1	
2		16		1	
8		5		1	
12		8			

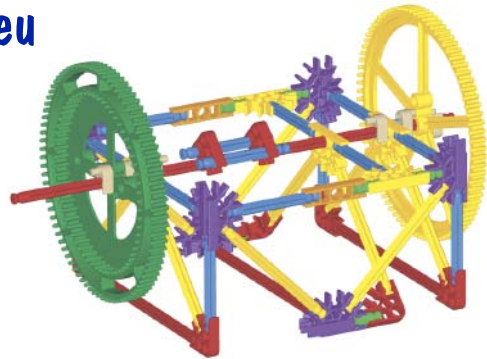




Axle and Axle with Differential

Eje y eje con diferencial

L'essieu et l'essieu avec différentiel

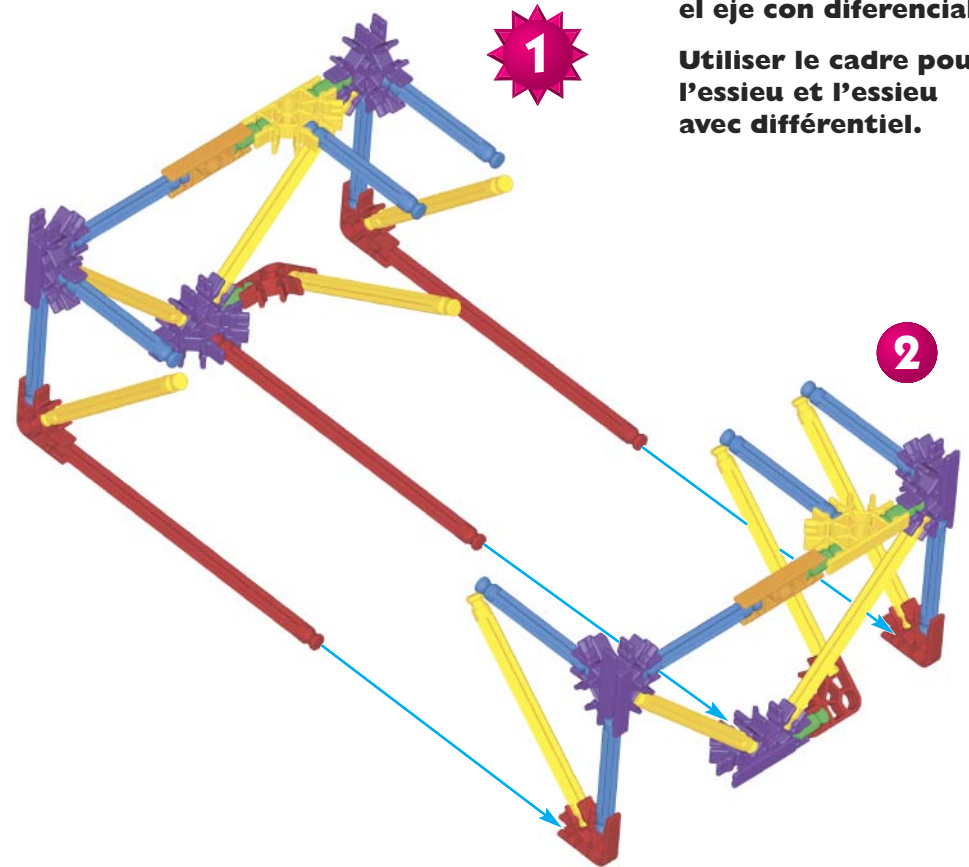
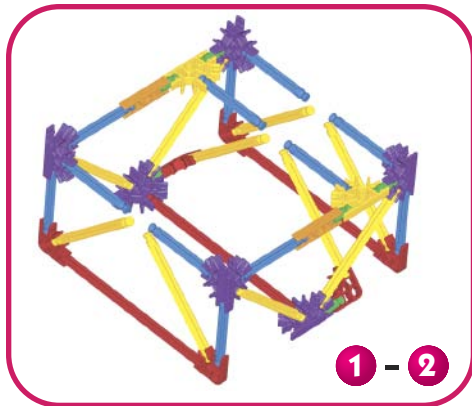


Use this frame for both Axle and Axle with Differential.

Use este marco, tanto para el eje como para el eje con diferencial.

Utiliser le cadre pour l'essieu et l'essieu avec différentiel.

Axle Frame
Marco del eje
Cadre d'essieu

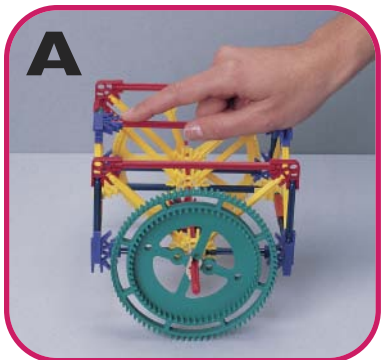
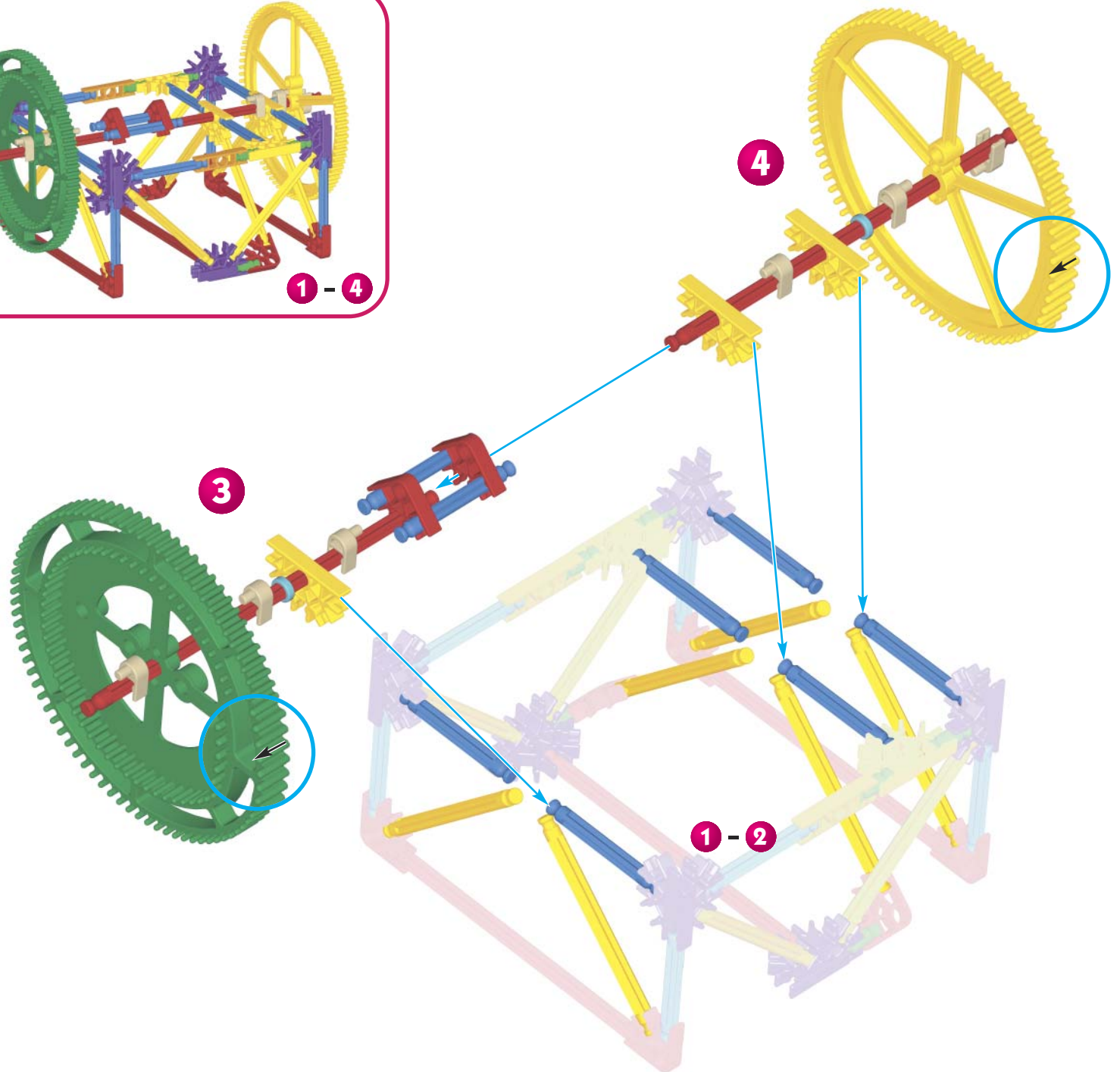


K'NEX Education

12	27	4
2	10	1
2	6	1
10	15	1
8	10	1
12	5	
1		



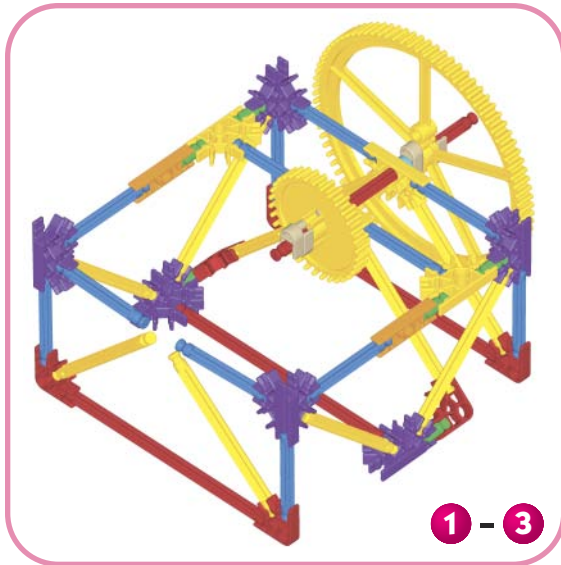
Axle
Eje
L'essieu



Axle with Differential

Eje con diferencial

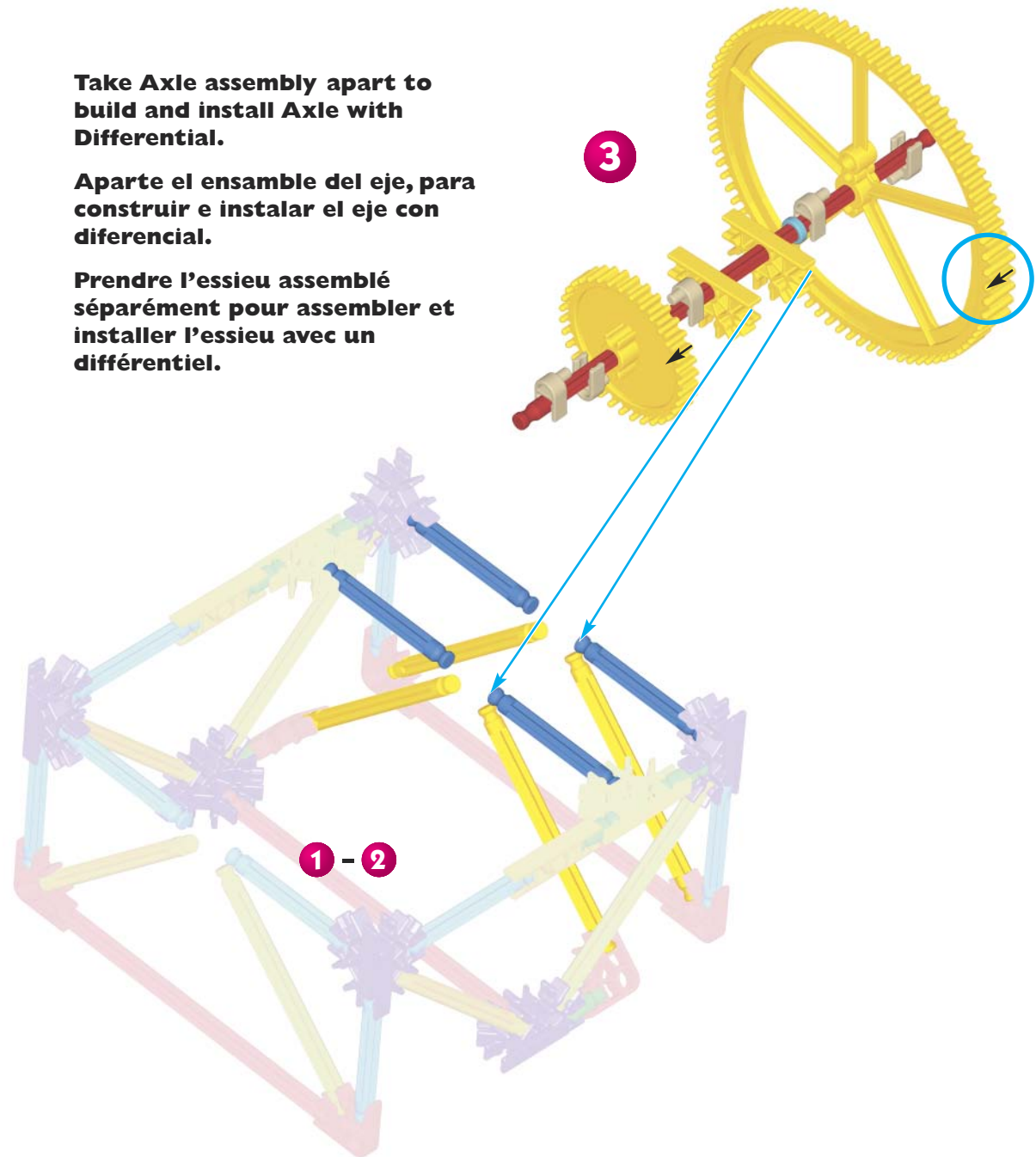
L'essieu avec différentiel

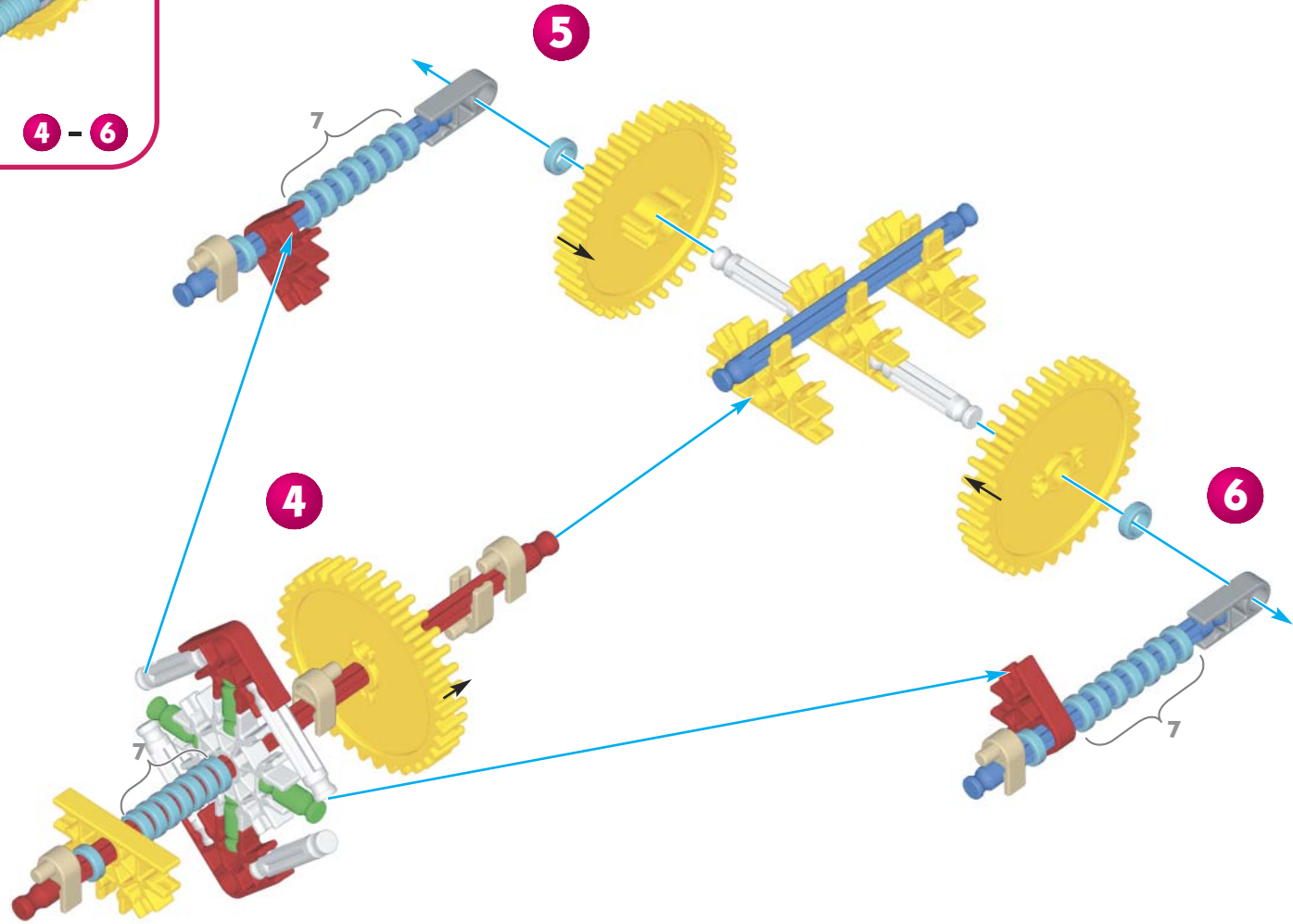
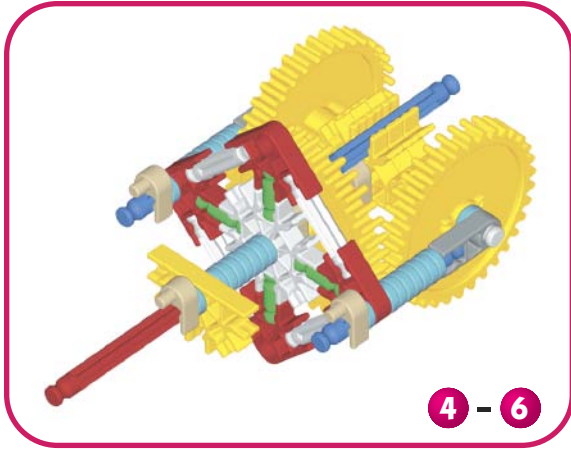


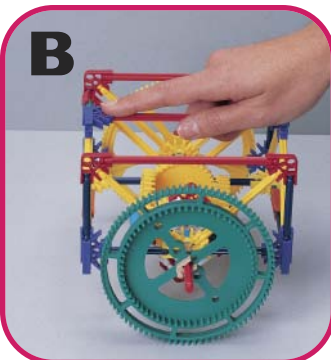
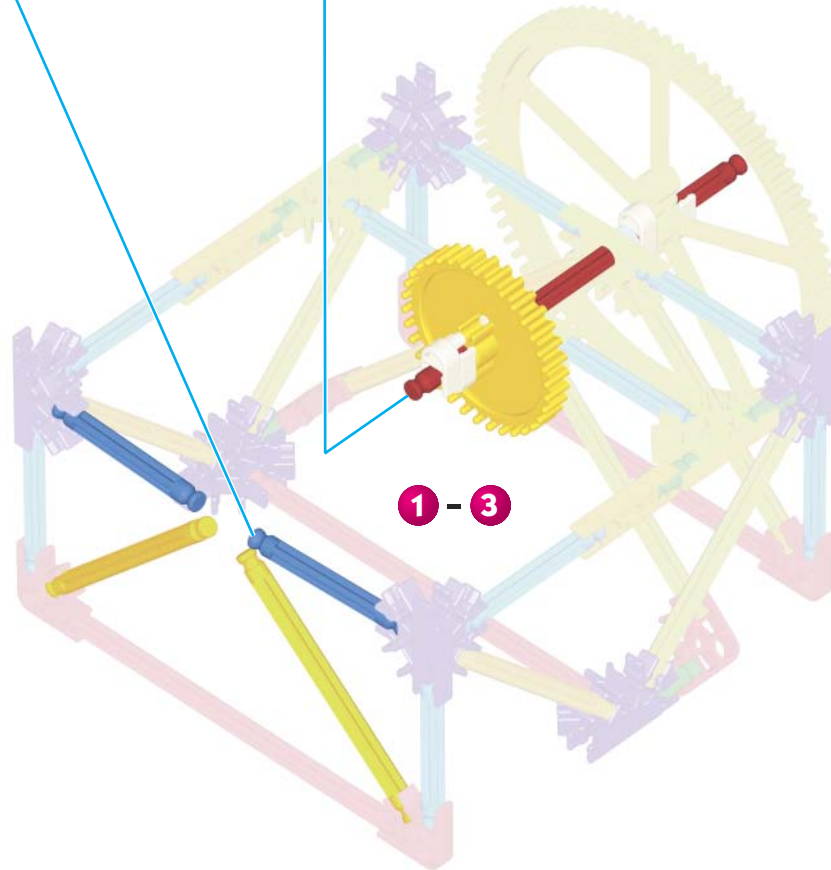
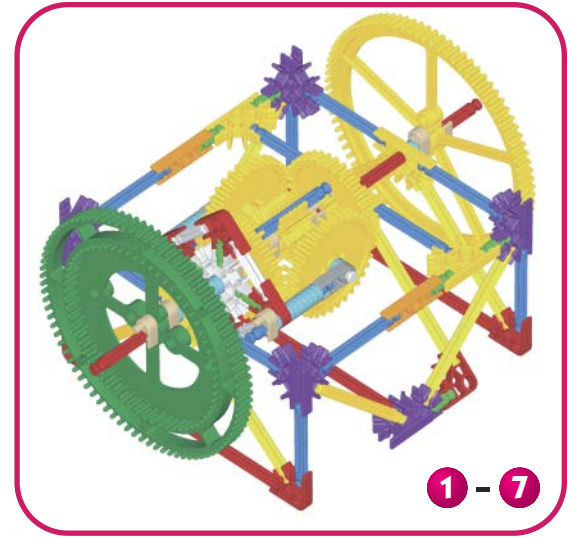
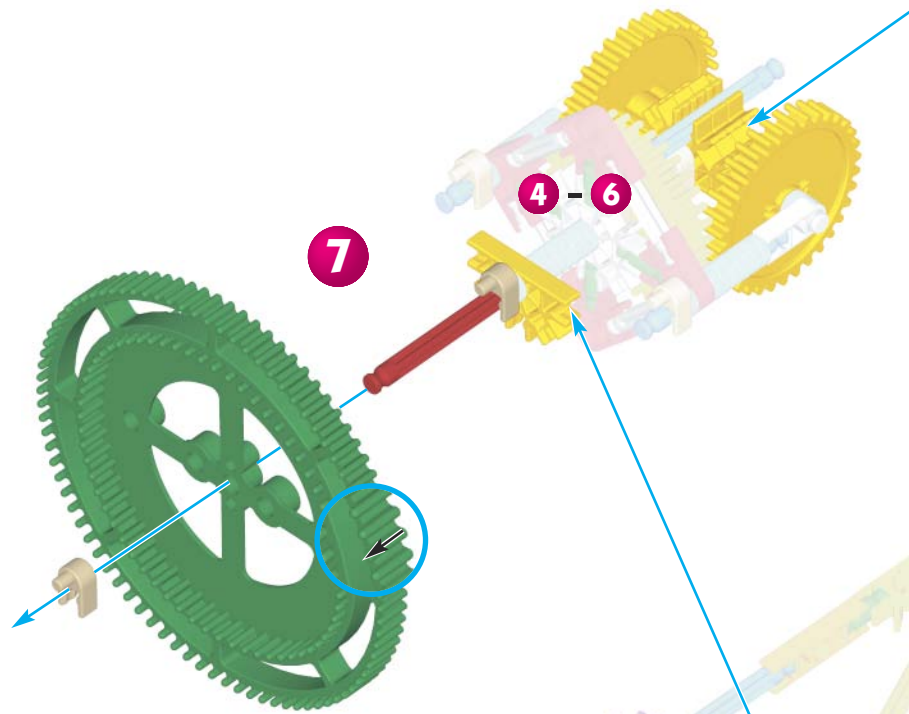
Take Axle assembly apart to build and install Axle with Differential.

Aparte el ensamble del eje, para construir e instalar el eje con diferencial.

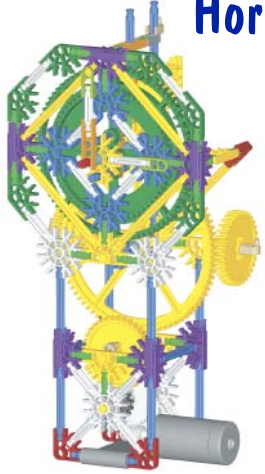
Prendre l'essieu assemblé séparément pour assembler et installer l'essieu avec un différentiel.







Clock Reloj Horloge



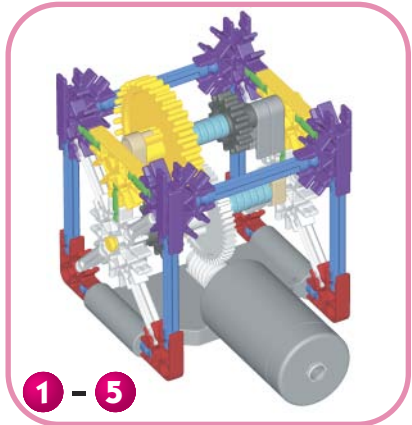
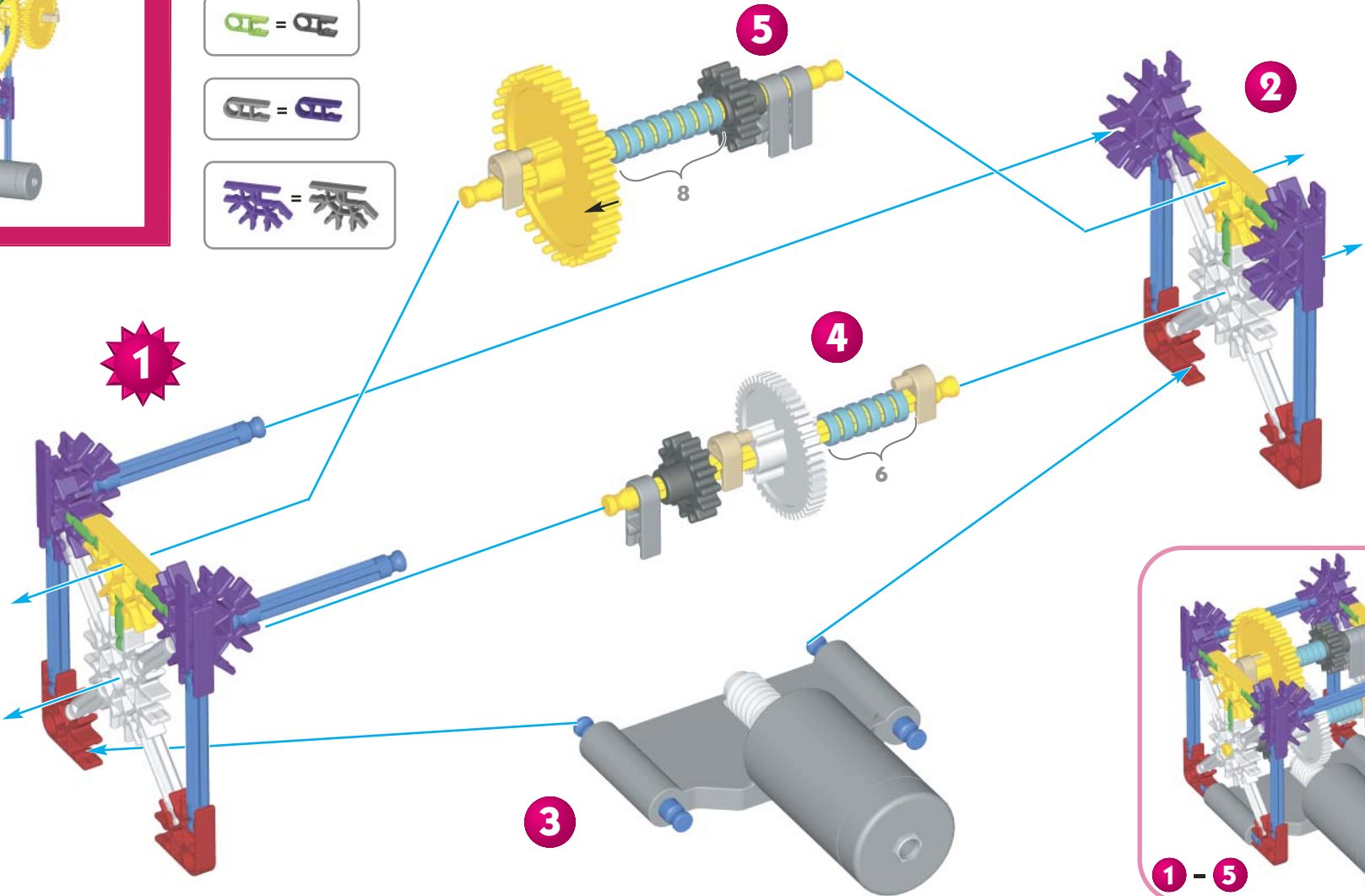
K'NEX Education

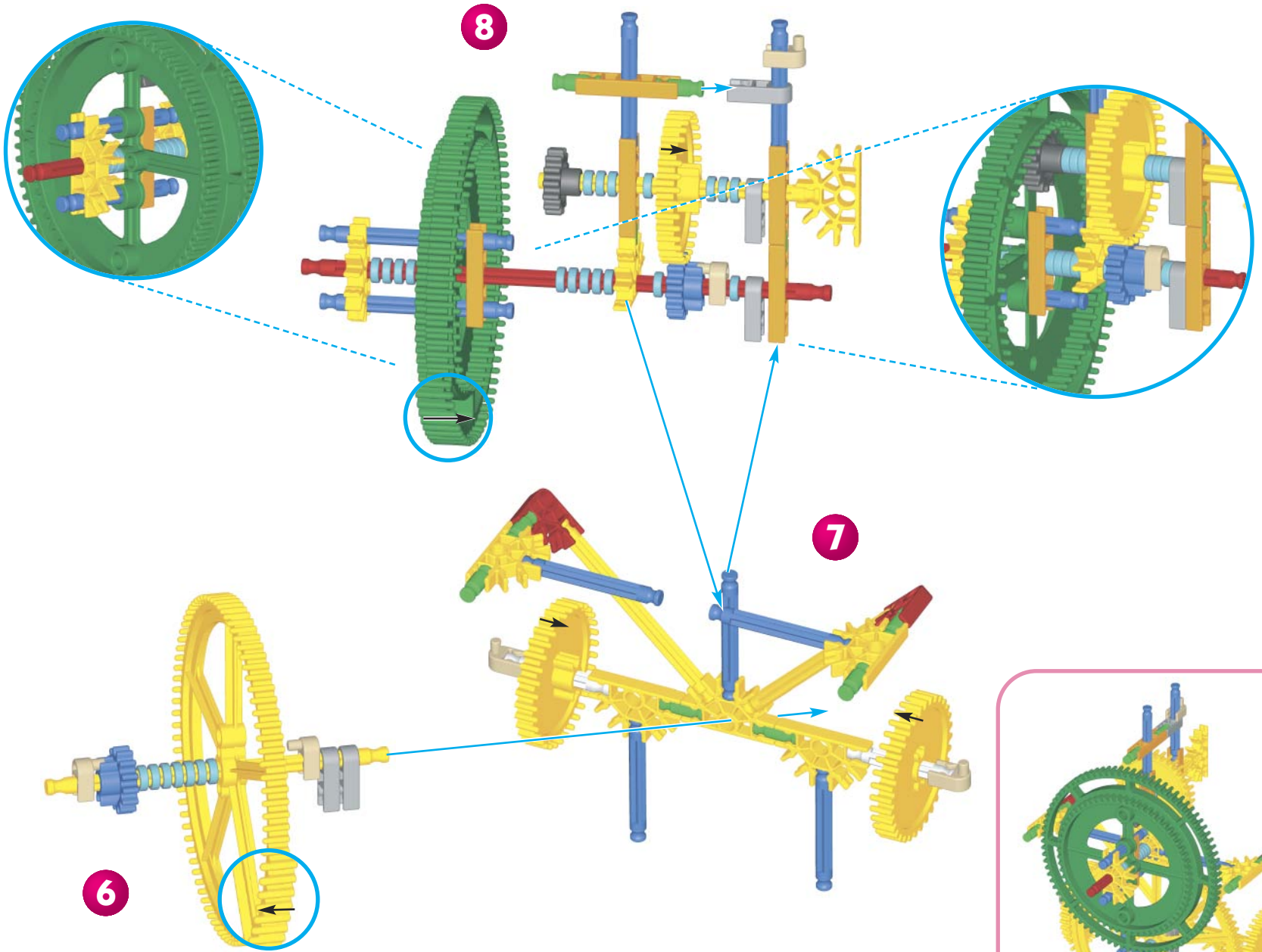
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8	14	20	2	1	1
6	4	19	3	1	1
6	4	10	1	1	1
6	2	1	4	1	1

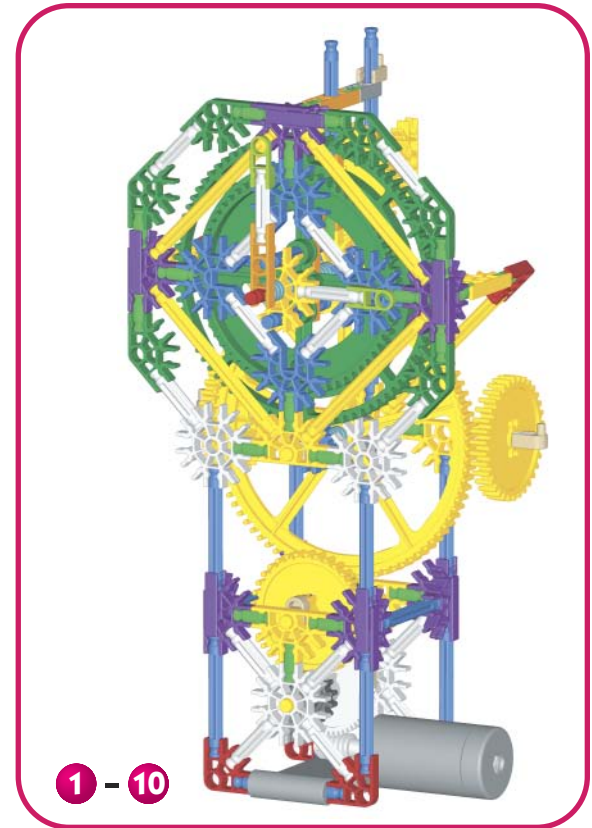
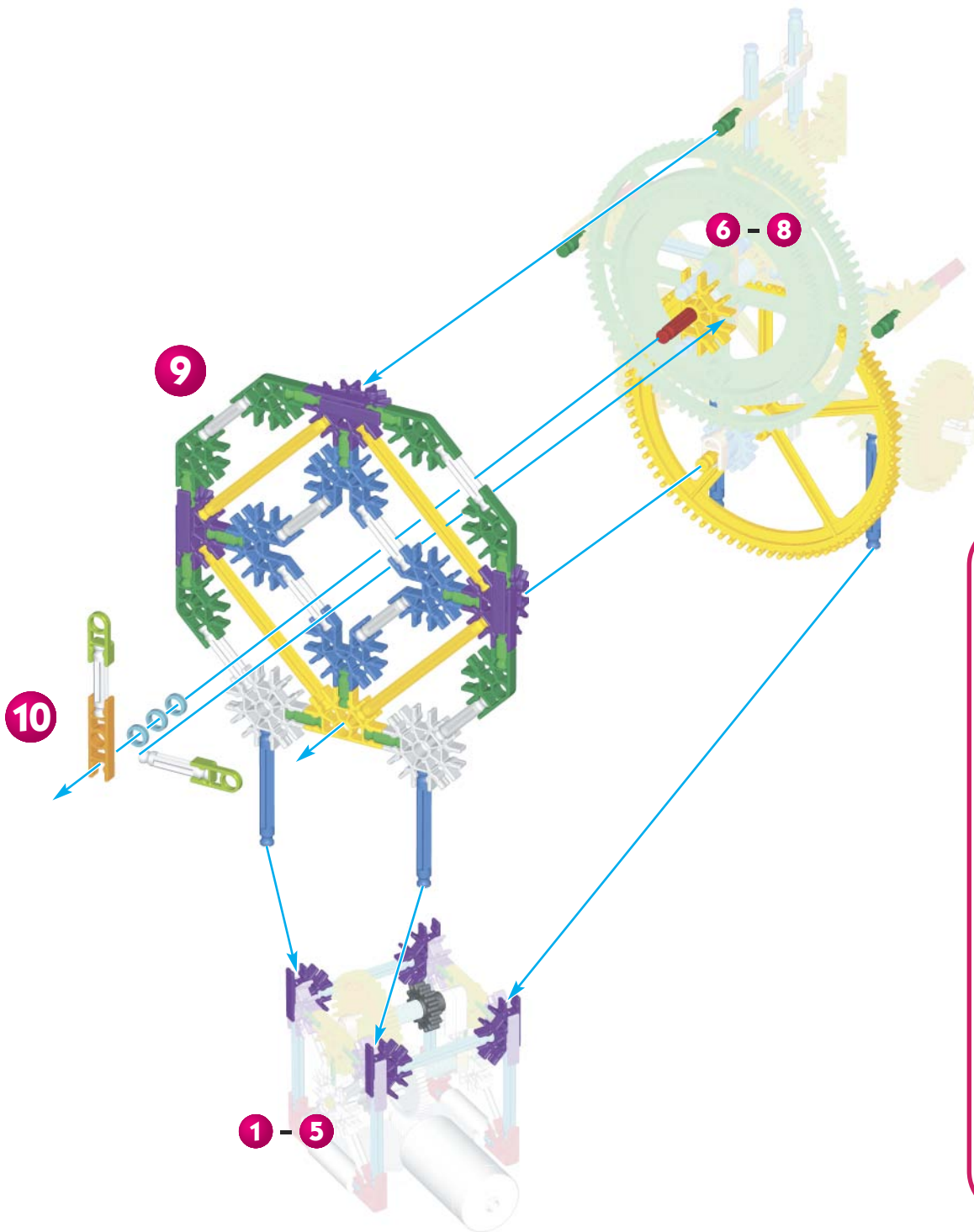
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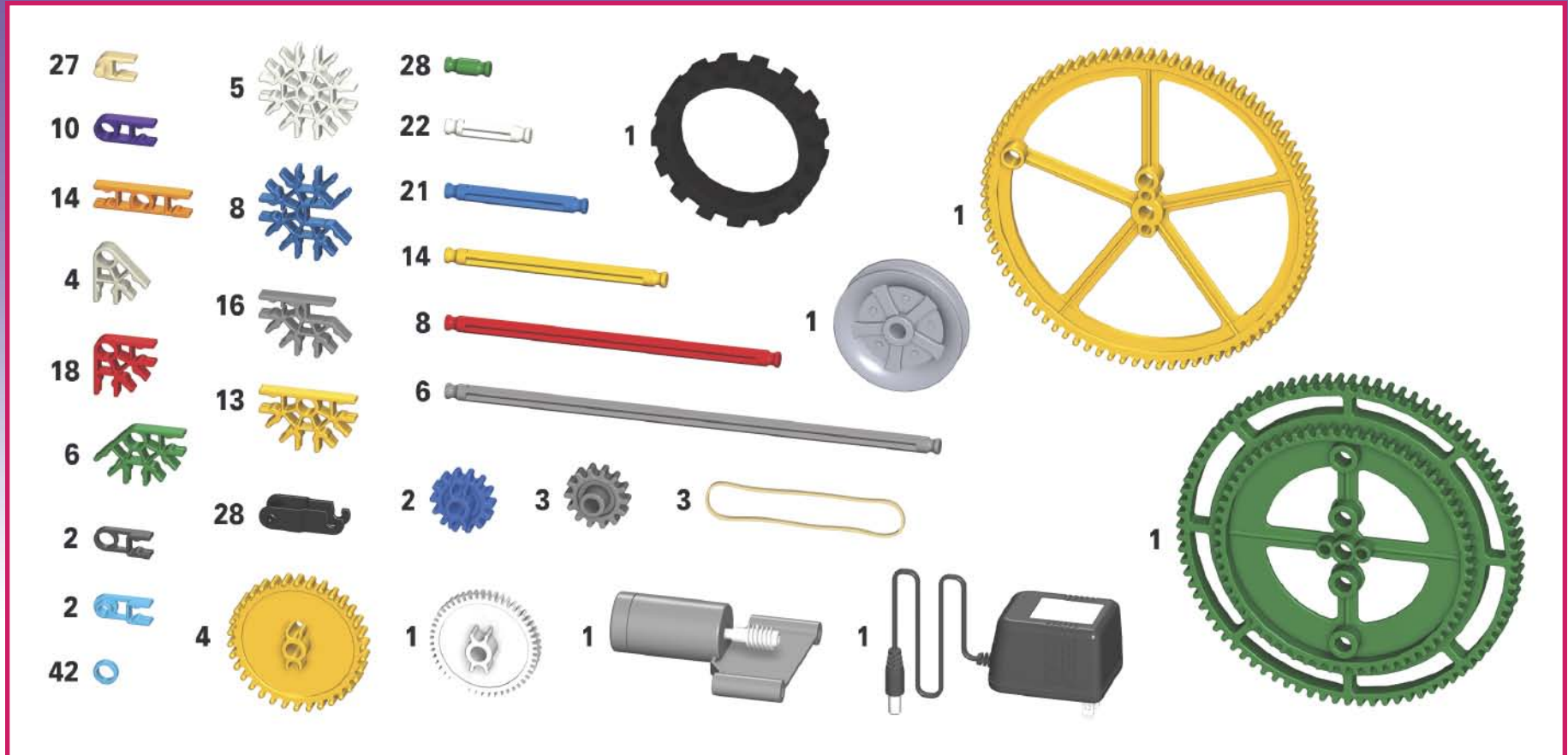




GEARS – Parts List

ENGRANAJES – Lista de Partes

ENGRENAGES – Liste de Pièces



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