



# INSTRUCTIONS

Intermediate Set 50015

If you can imagine it, you can build it!

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you can build it!***

# **K'NEX™**



Your K'NEX™ building set is different from any other construction set you've ever seen. It has parts called Connectors, Rods, Tires and Pulleys that let you build everything from simple flat models to complex constructions that actually move and spin. K'NEX parts can be put together in hundreds of different ways, so you can build almost anything you can imagine.

There is no "right" or "wrong" way to build with K'NEX. In this book, you'll find directions and pictures you can follow easily. Or you can build whatever you can design, using your own imagination.

The secret to K'NEX is that all Connectors and Rods are color-coded. So when you're following the instructions, just match the colors in your set to the same color pieces you see in the pictures. Start in the middle, at either end, or make smaller combinations to join together later to complete your model. As long as you snap Rods and Connectors together the way they're shown, your finished model will look just like the one in the instructions.

Each kind of Connector and each Rod has its own special color and size that never changes. For example, all red Connectors are alike, all blue Rods are the same length, and so on. So whenever you see a red Connector in the instructions, use the same red Connector from your set. That's true for every single Connector and Rod.

## Let's look at all the parts of your K'NEX™ set.

*These are Connectors.*



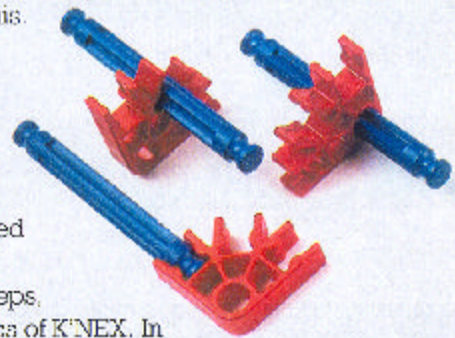
For practice, take a red Connector and a blue Rod. Snap them together like this.

Now snap them apart, and put them together like this.

Snap them apart again, and put the blue Rod through the hole in your red Connector.

In these three simple steps, you've mastered the basics of K'NEX. In even the most complex models, Connectors and Rods always go together in one of these ways.

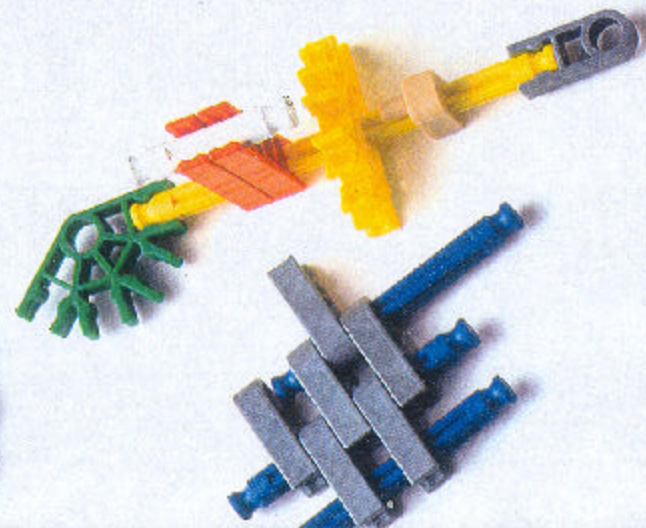
As you build, you'll find Connectors and Rods can form all kinds of shapes. Here are a few to try.



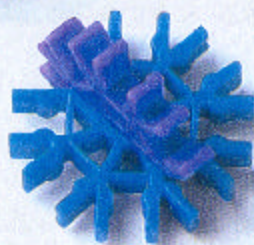
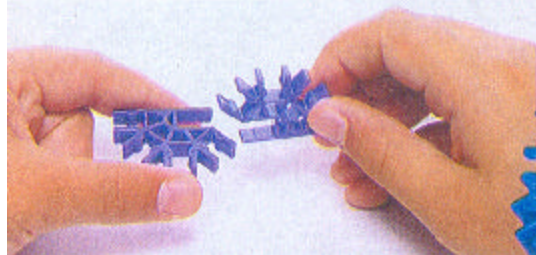
*These are Rods.*



*These are Tires, Hub Caps and Pulleys.*

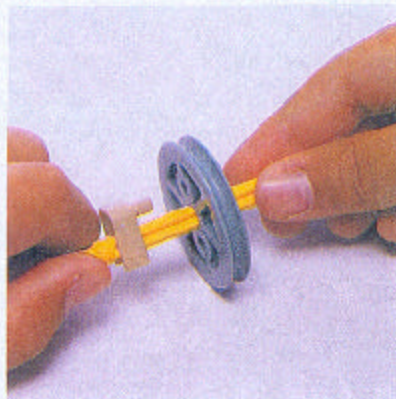


While most Connectors are joined with a Rod in between, blue and purple Connectors can fit each other directly. These are special combinations you should practice before you begin building.



This small tan Connector† is important when you build a model with moving parts. The small "arm" that sticks out is inserted directly into another Connector or Hub Cap to control your model's motion.

Tires and Hub Caps are easy to put together. Large and medium size Tires both fit the larger Hub Caps. Small Tires take the small Hub Caps.



In some advanced models, Hub Caps may be used as Pulley Wheels. These guide the rubber band that sets your model in motion.

Because K'NEX™ Connectors and Rods snap together tightly, your models won't break apart when you move them. And when you're finished with a model, it's easy to snap it apart to make something new with the same pieces.

As you become an experienced builder, you'll learn tricks to putting parts together. You'll see that, while black\* and gray Rods are the same length, you can curve the gray ones slightly to make special shapes. With practice, even the most challenging models will become easier to construct. Don't worry if you make a "mistake" or want to change your design. Just snap the pieces apart, and make your changes easily.

Now you're ready to begin building with K'NEX. As you follow the directions, remember to match the colors in the pictures to the colors of your K'NEX parts. It's smart to build your model facing in the same direction as the example in the book. Use *all* of the instructions to guide you, both sub-assemblies and the picture of the finished model.

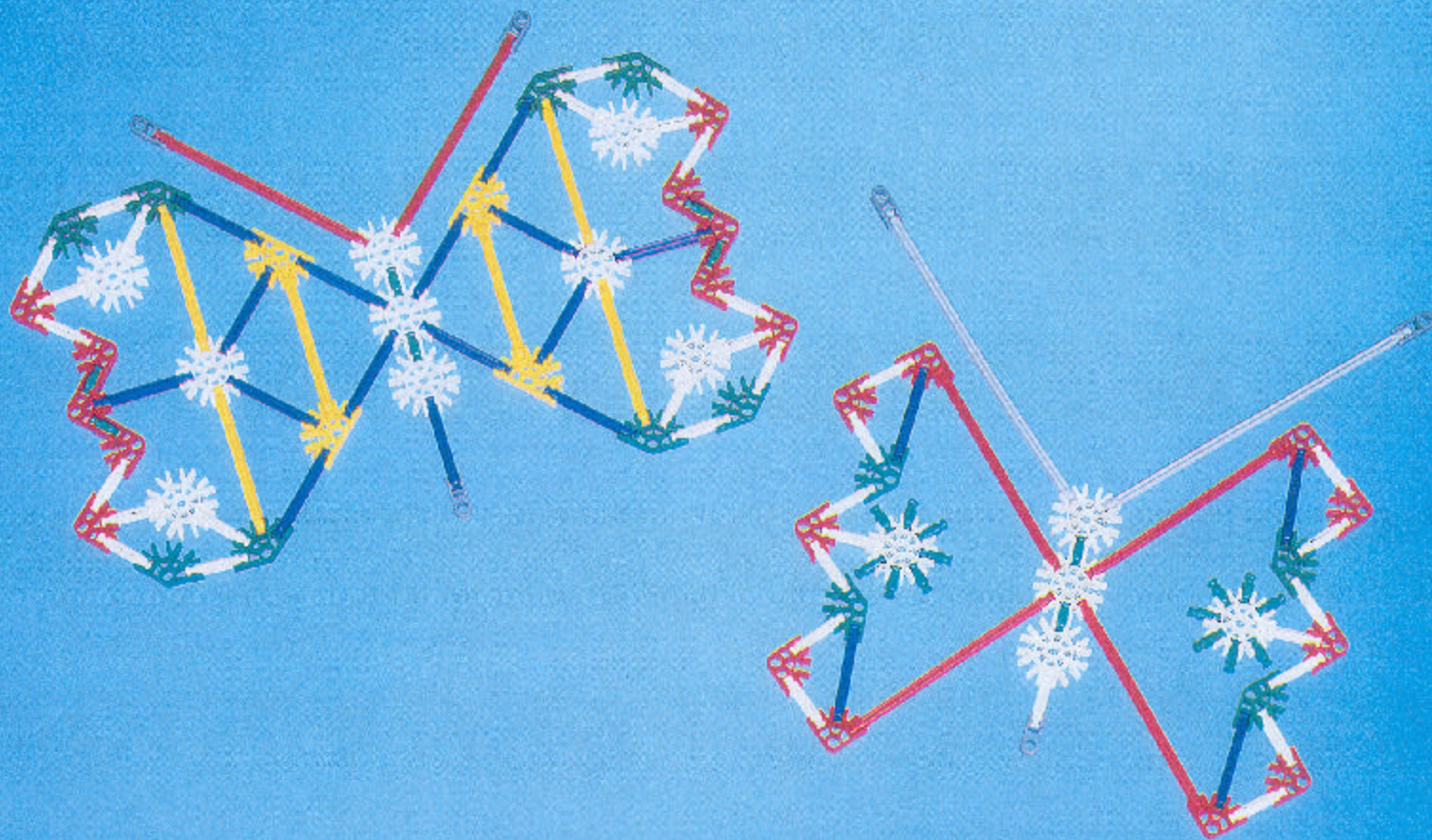
K'NEX lets you choose what to make and where to start. So get ready to explore the exciting world of K'NEX. If you can imagine it, you can build it with K'NEX!



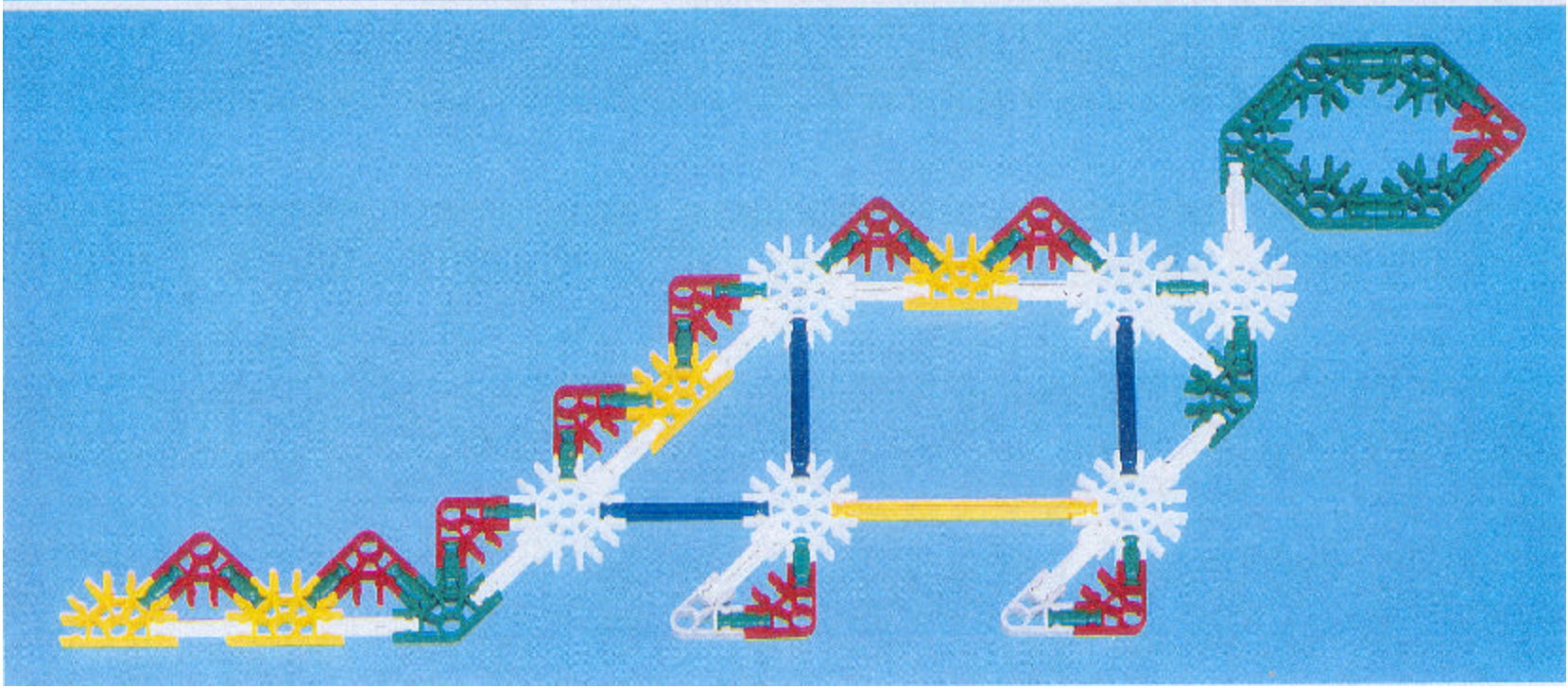
† The shape of the Tan Lock Connectors in your set may be different from the ones pictured in your instructions. No matter what the shape, all Tan Locks work the same way and are interchangeable.

\* Black Rods available only in Intermediate Set.

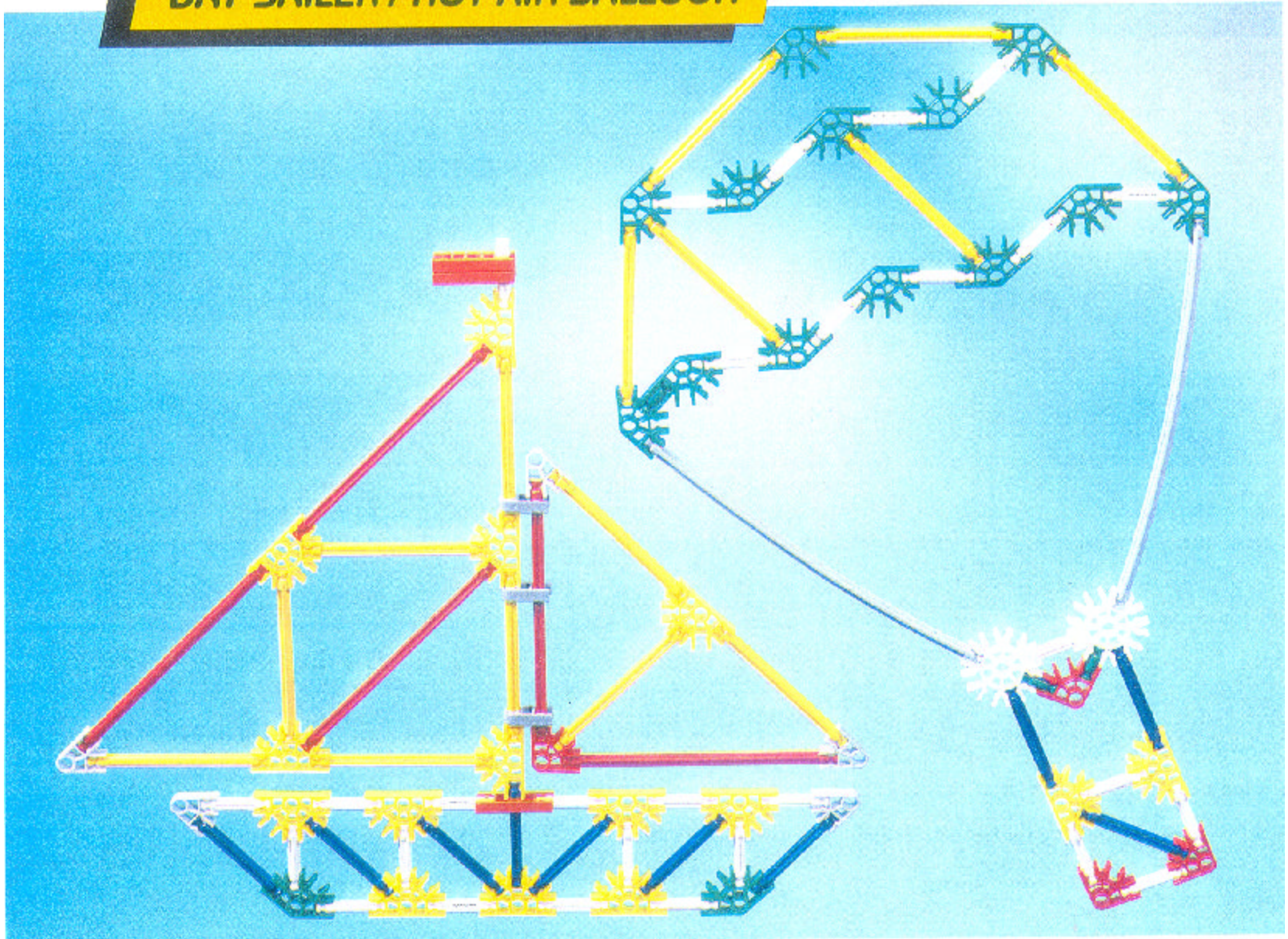
# BUTTERFLIES



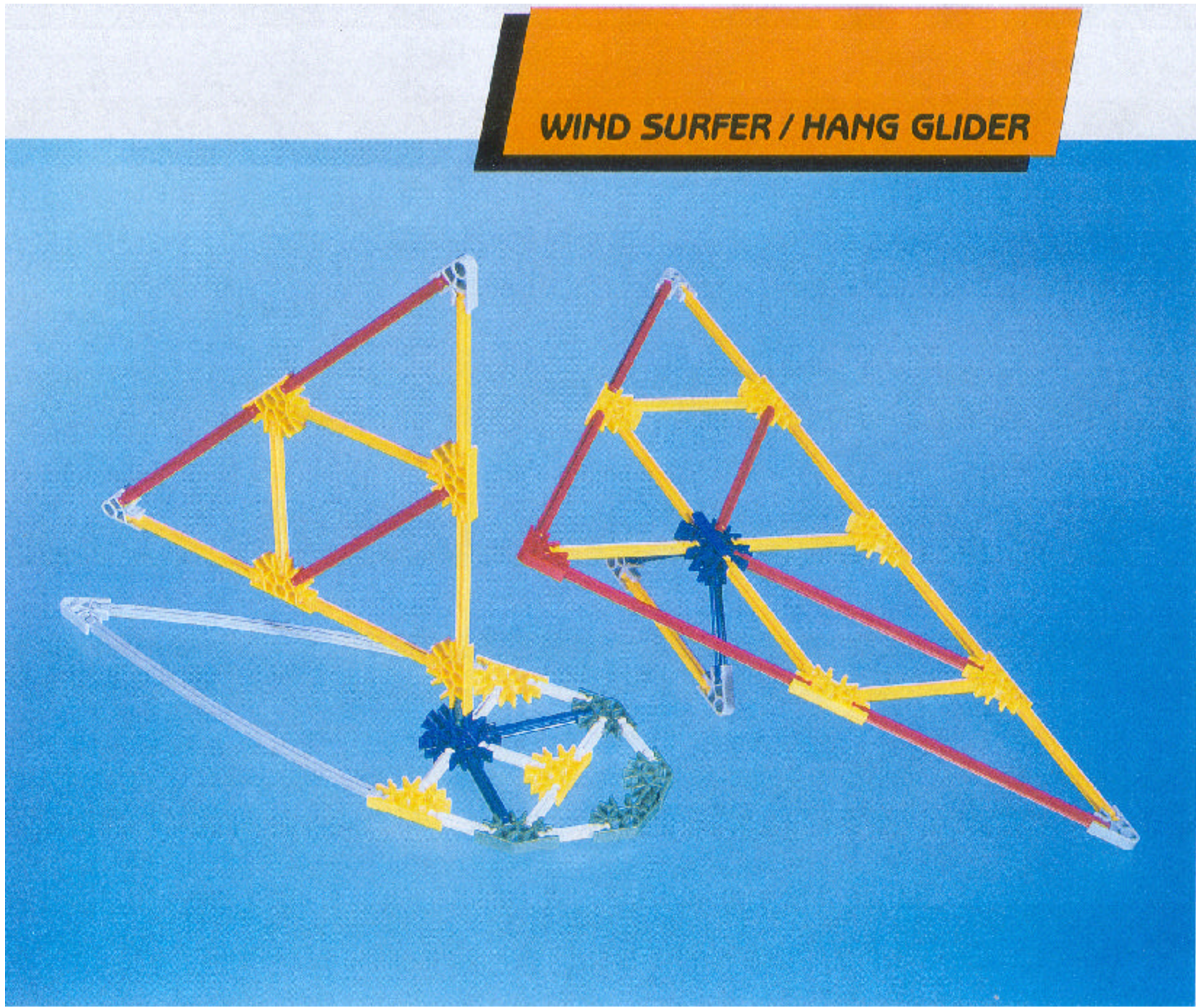
FISH / DINOSAUR



**DAY SAILER / HOT AIR BALLOON**

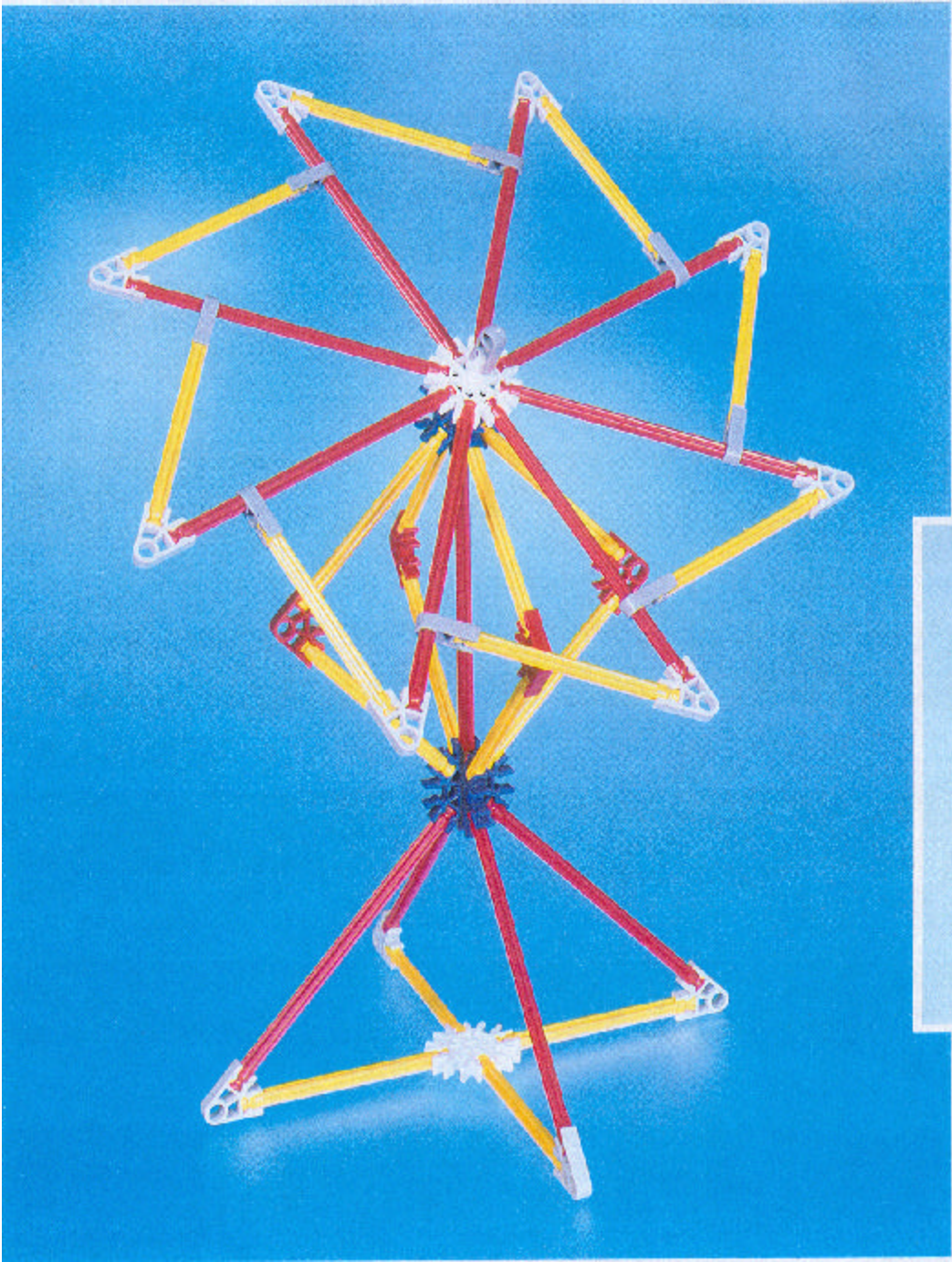


**WIND SURFER / HANG GLIDER**

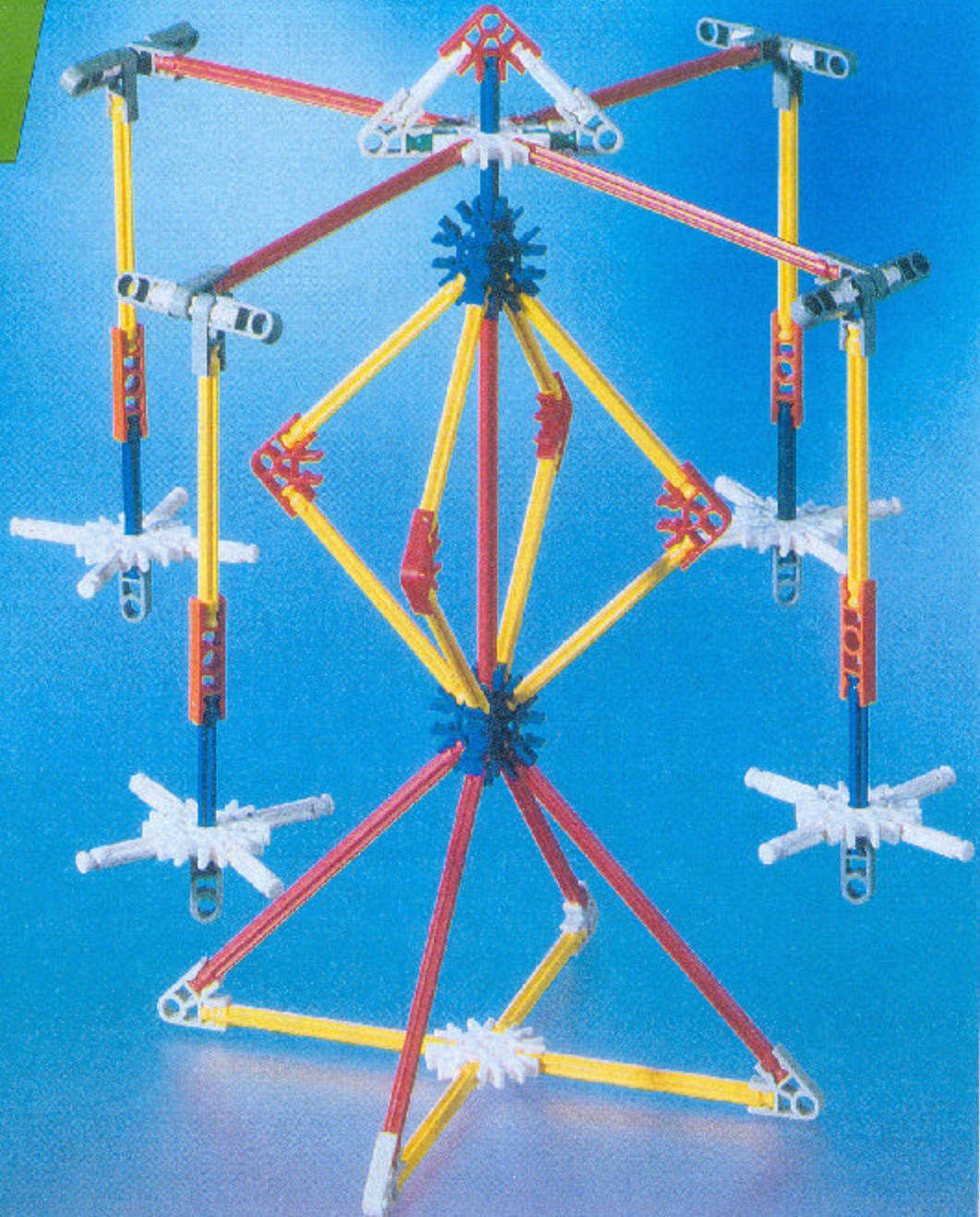
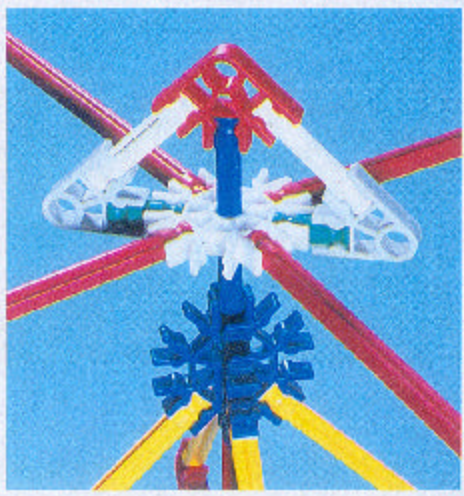




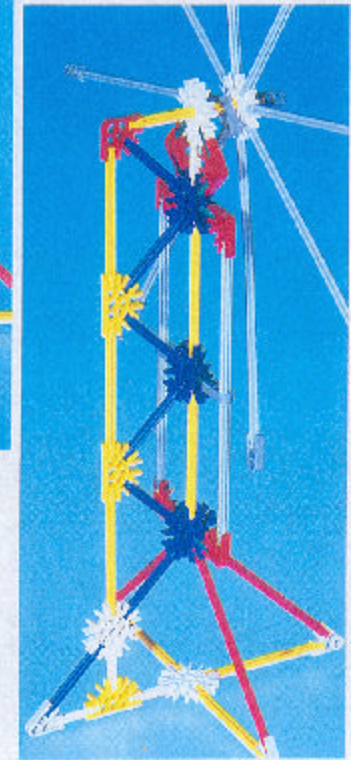
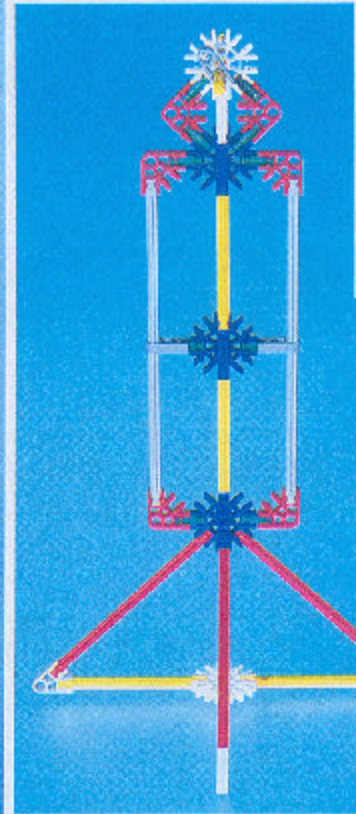
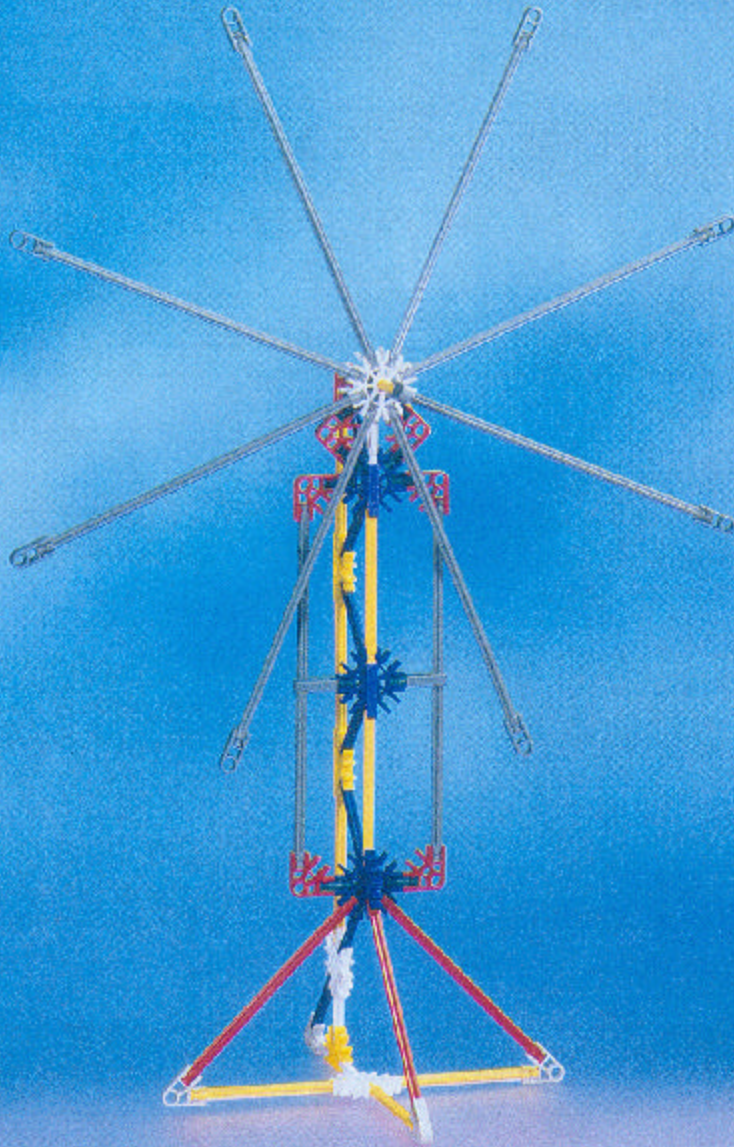
**WHIRLABOUT**



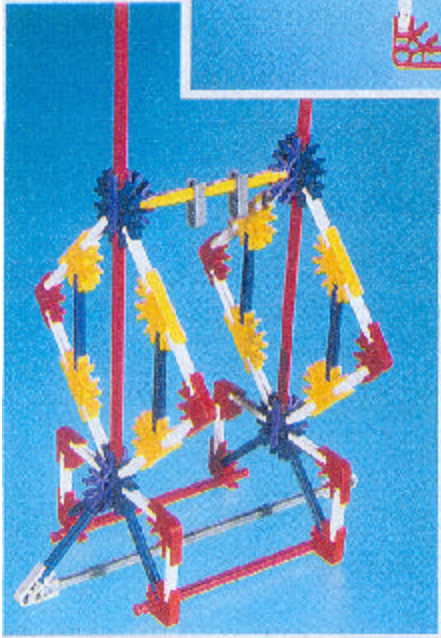
## GYRO SWINGS



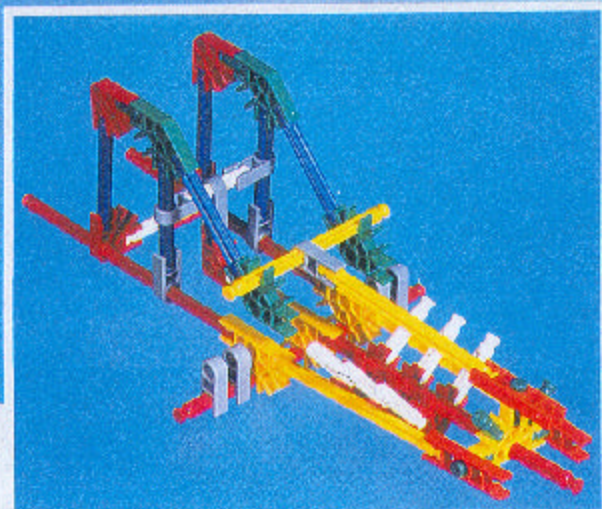
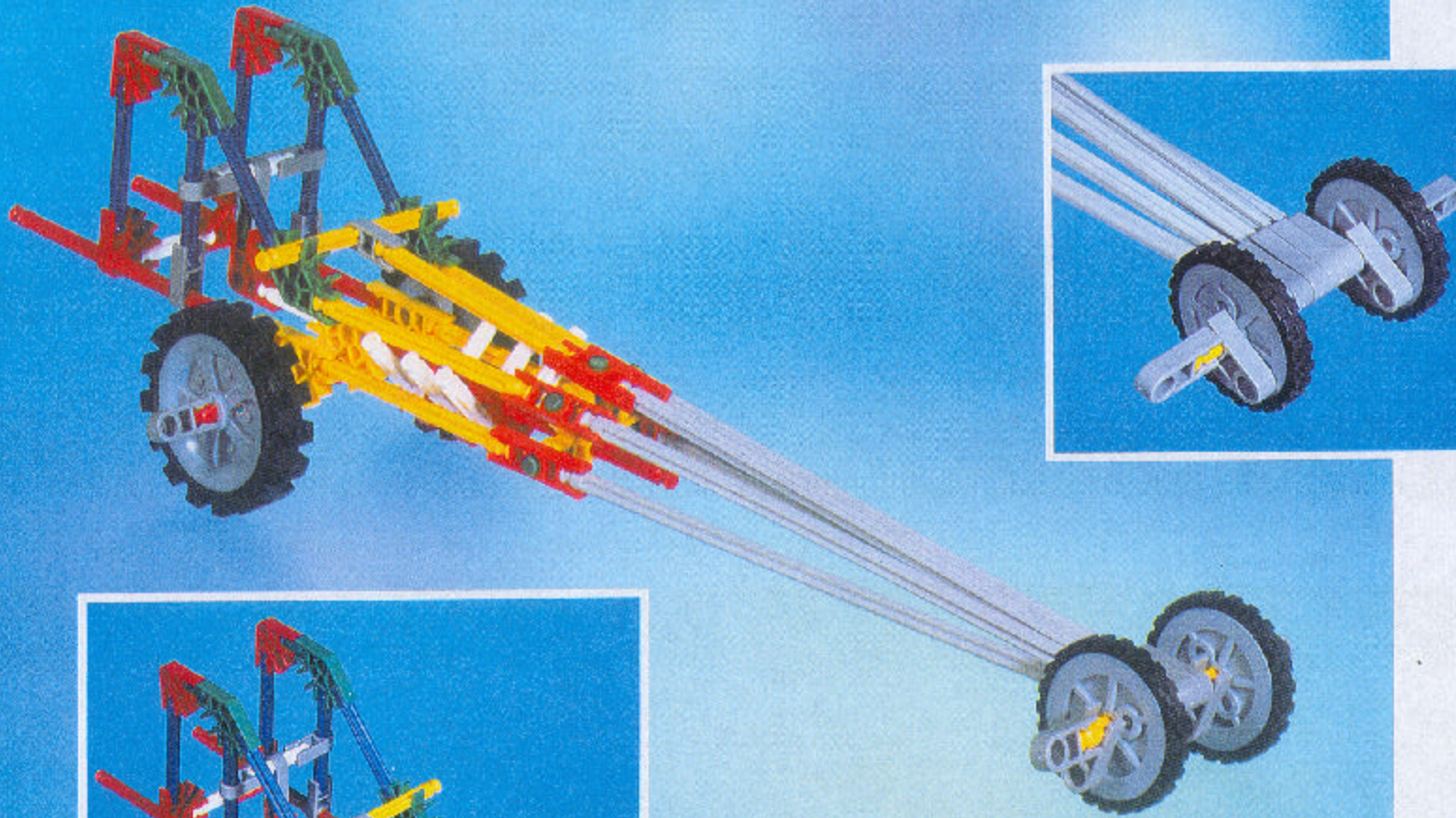
# WINDMILL



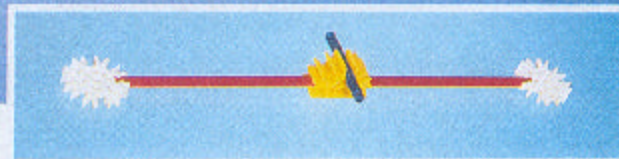
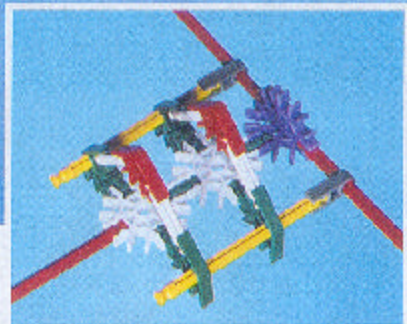
# FERRIS WHEEL



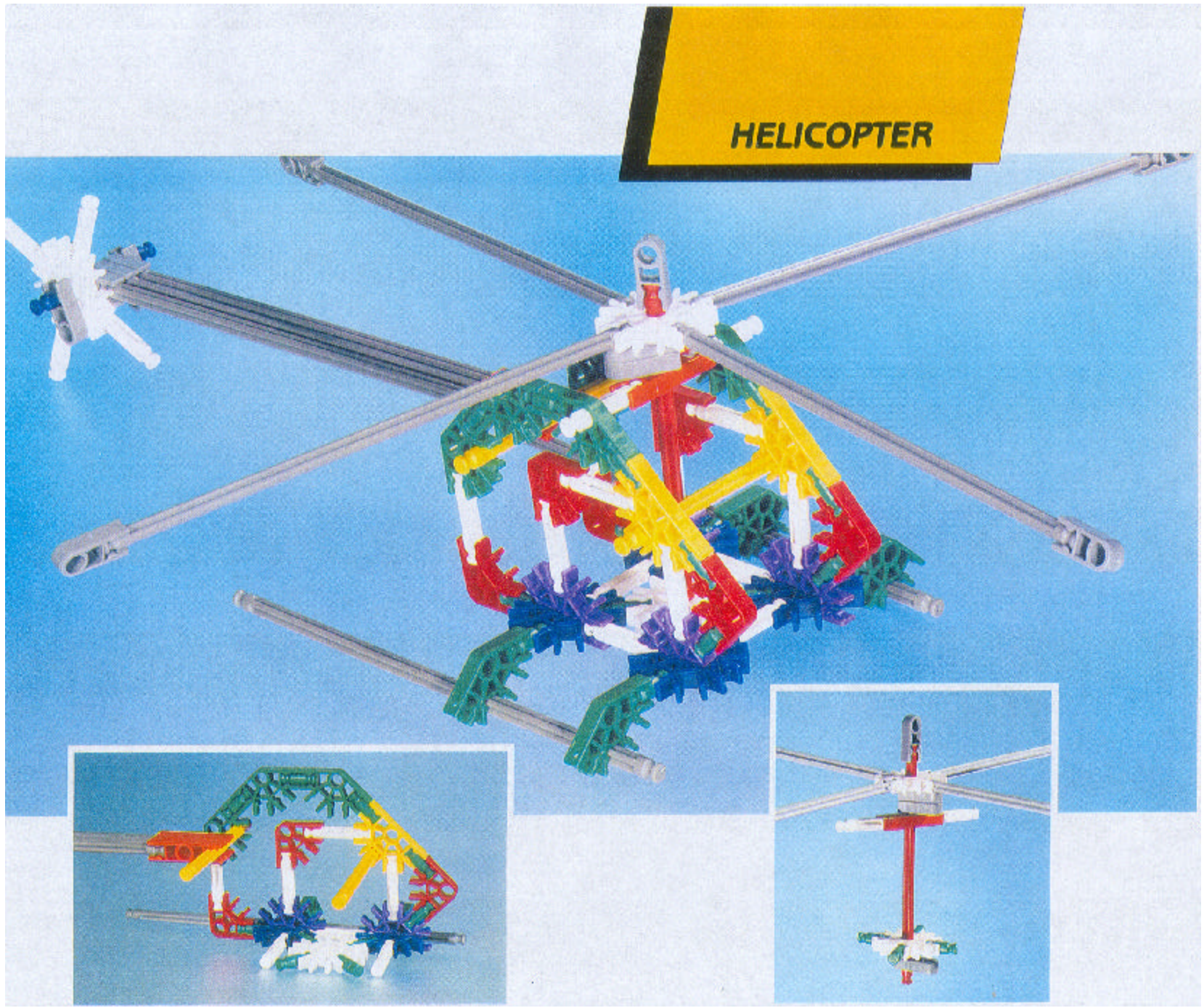
# DRAGSTER



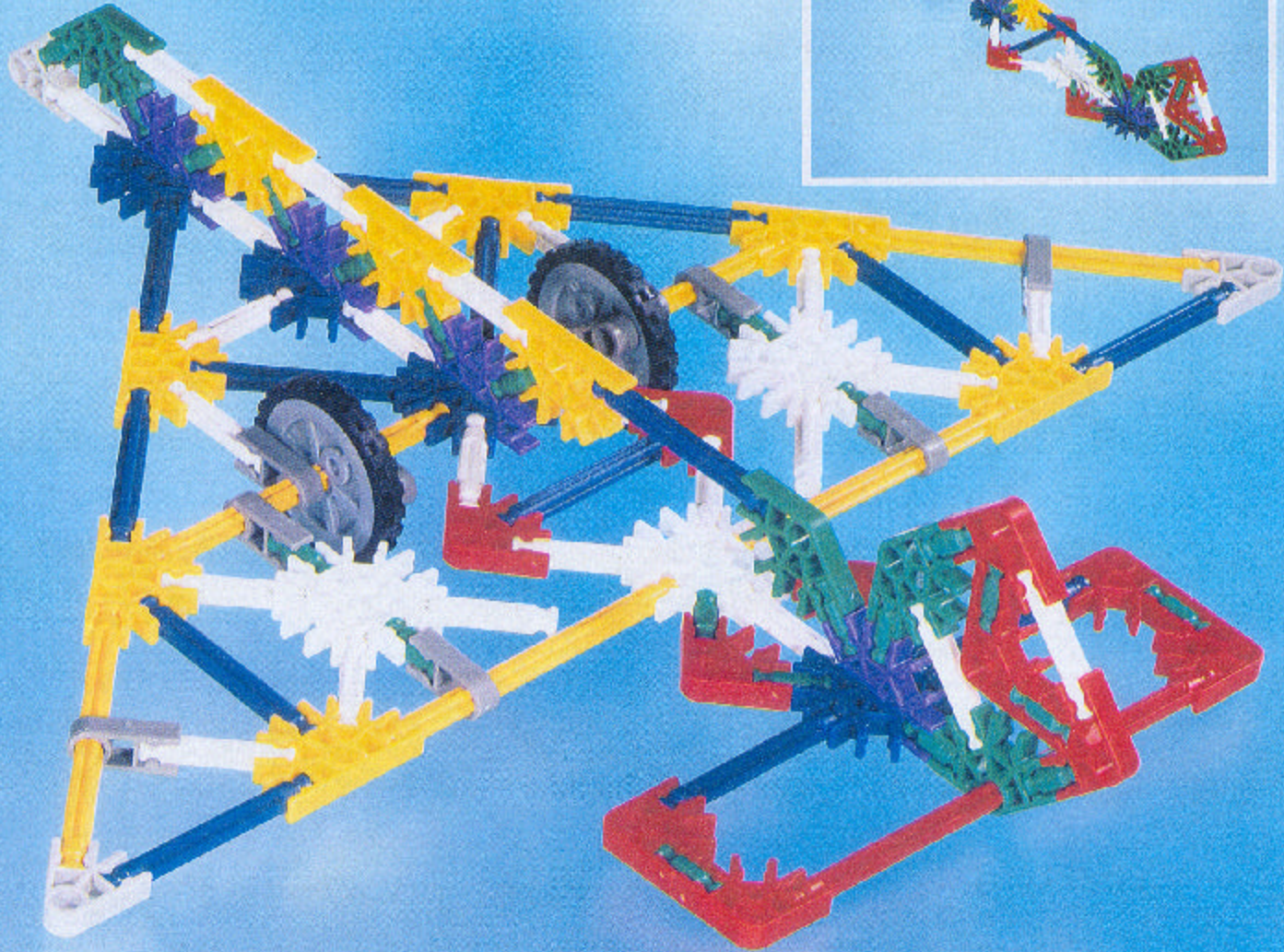
# PLAYGROUND SWING SET



# HELICOPTER

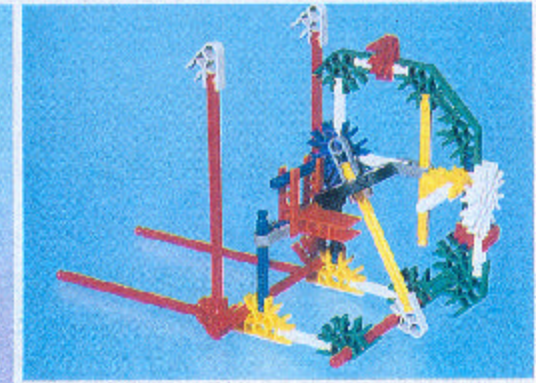
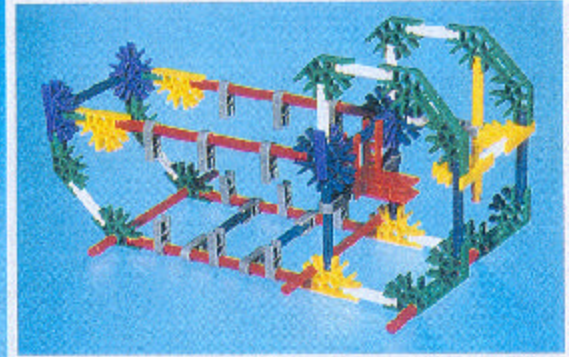
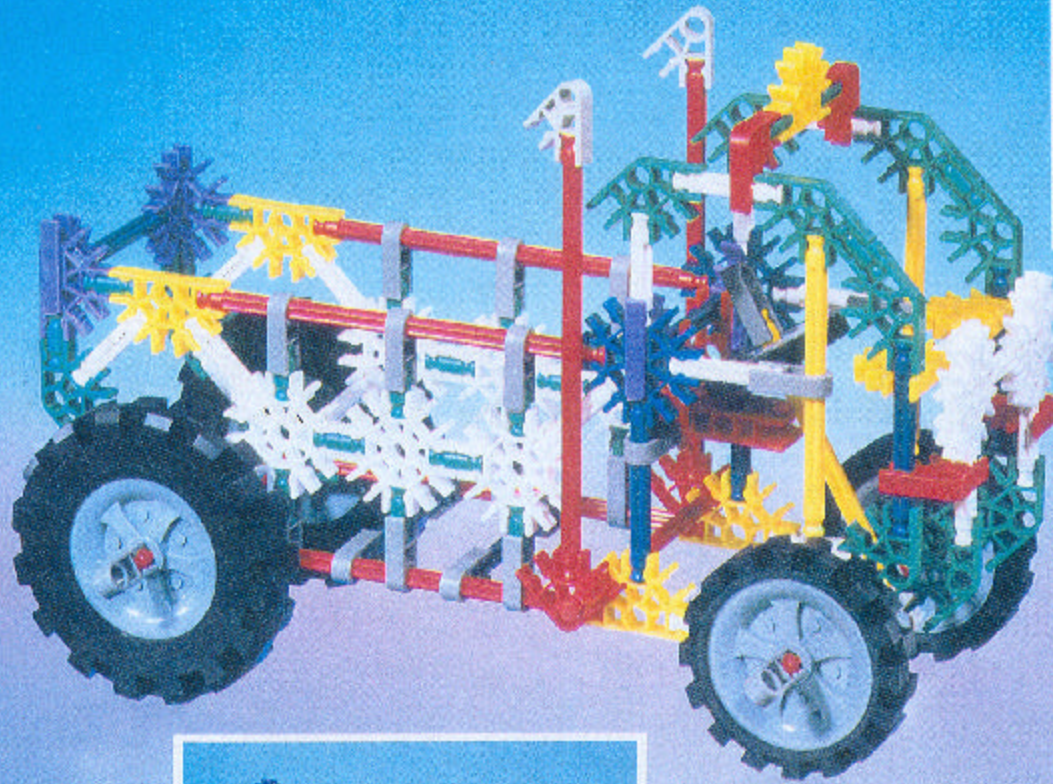


**SPACE SHUTTLE**





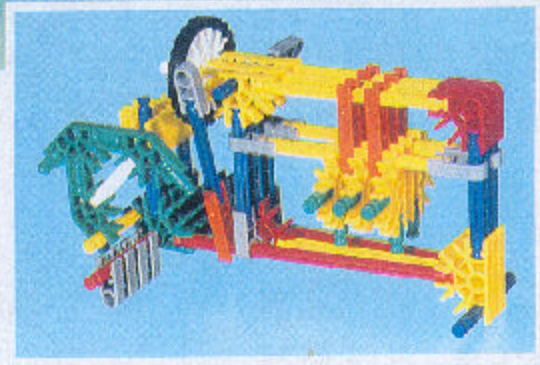
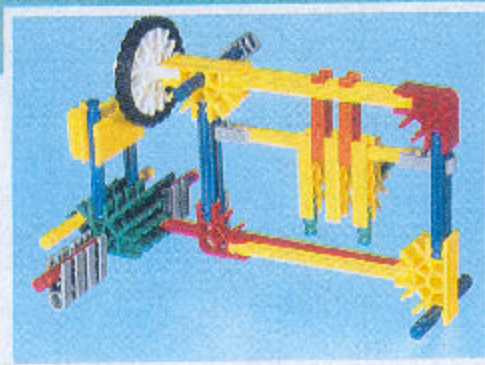
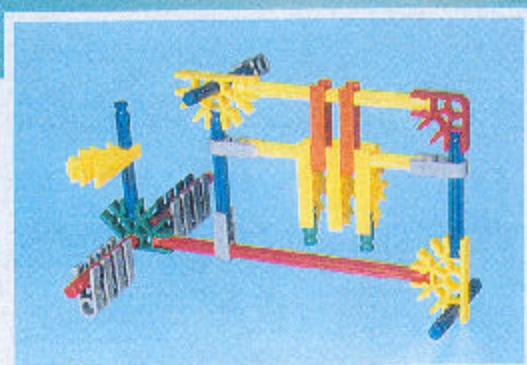
**TRUCK**



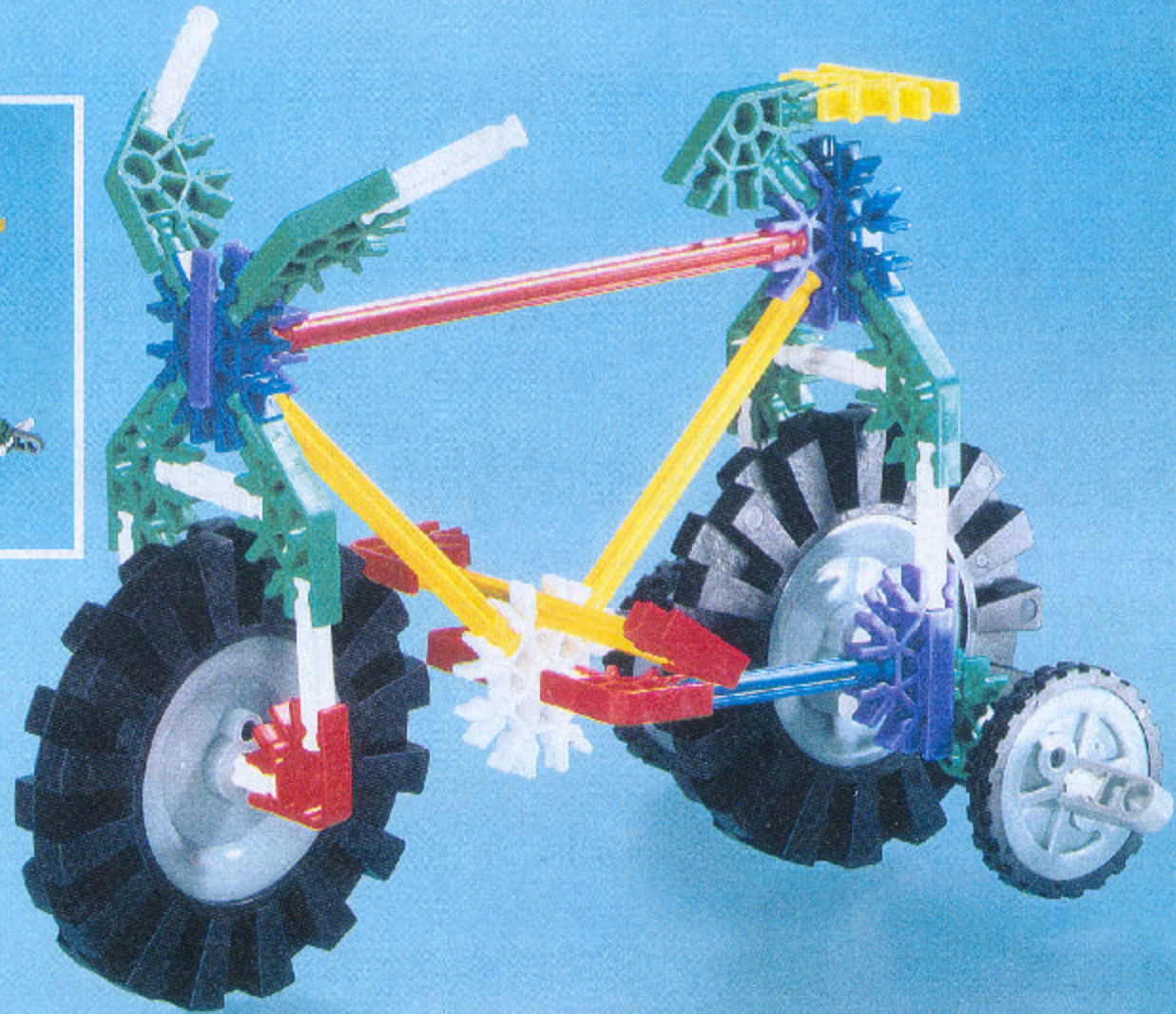
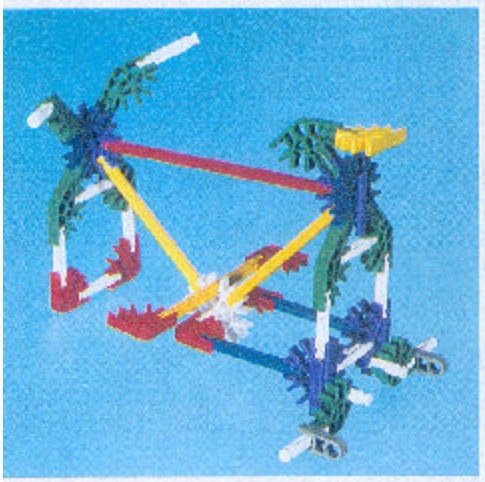
# SAND BUGGY



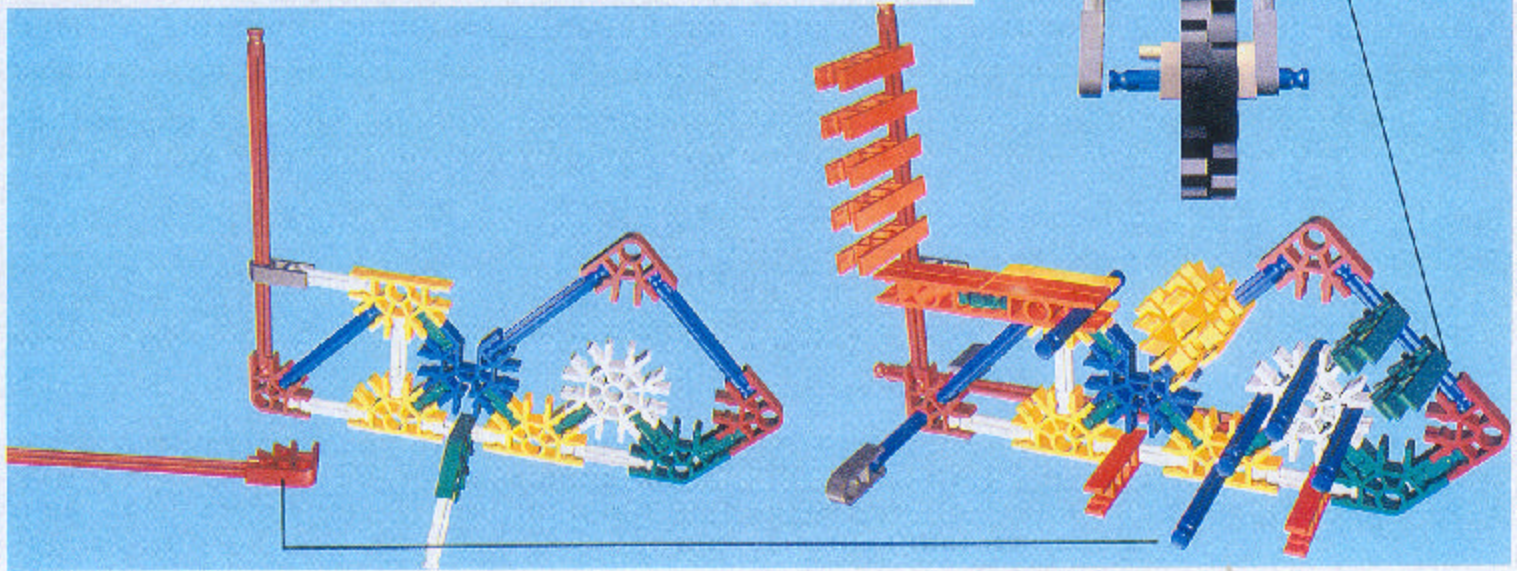
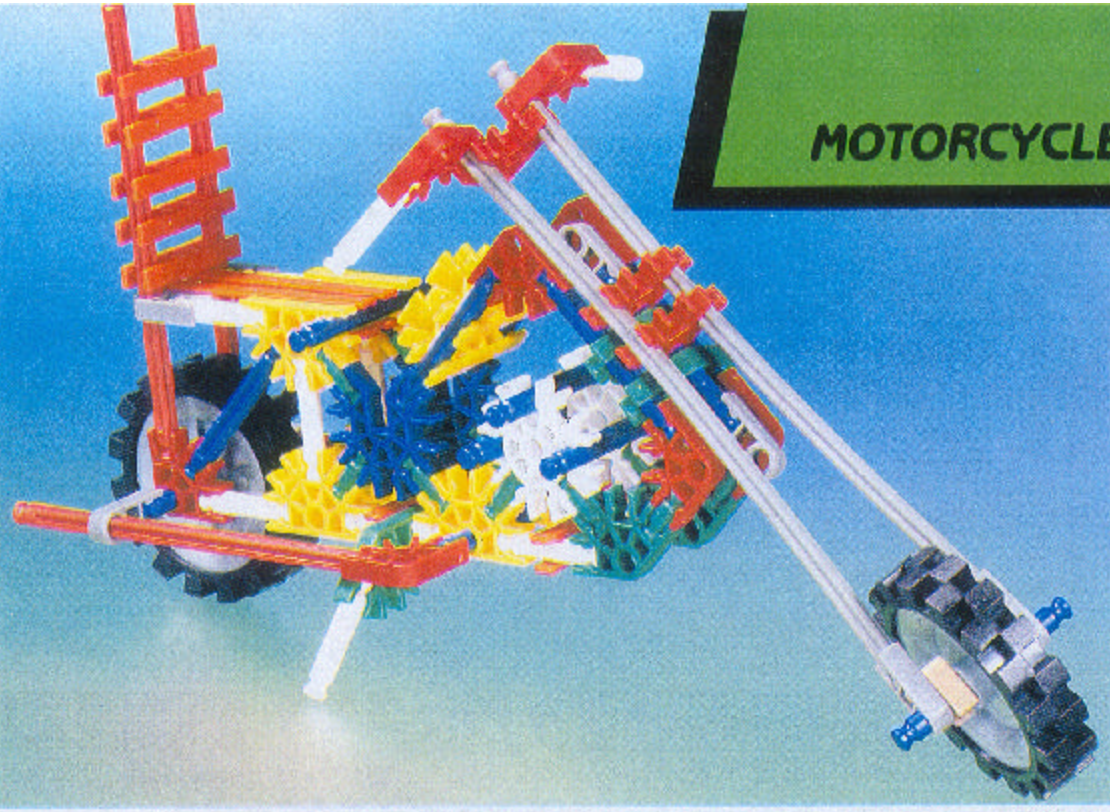
# TRACTOR



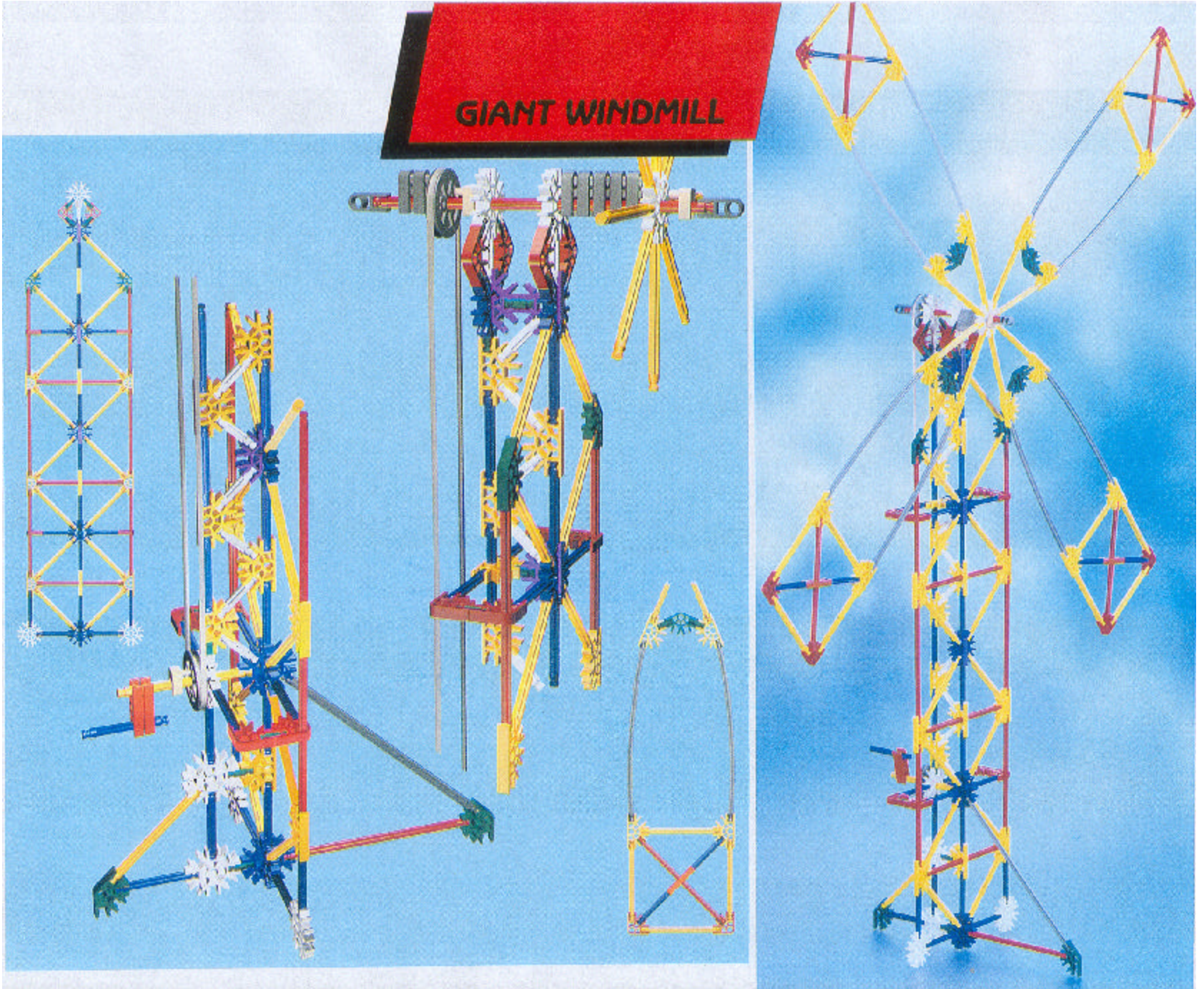
**PEDAL BIKE**



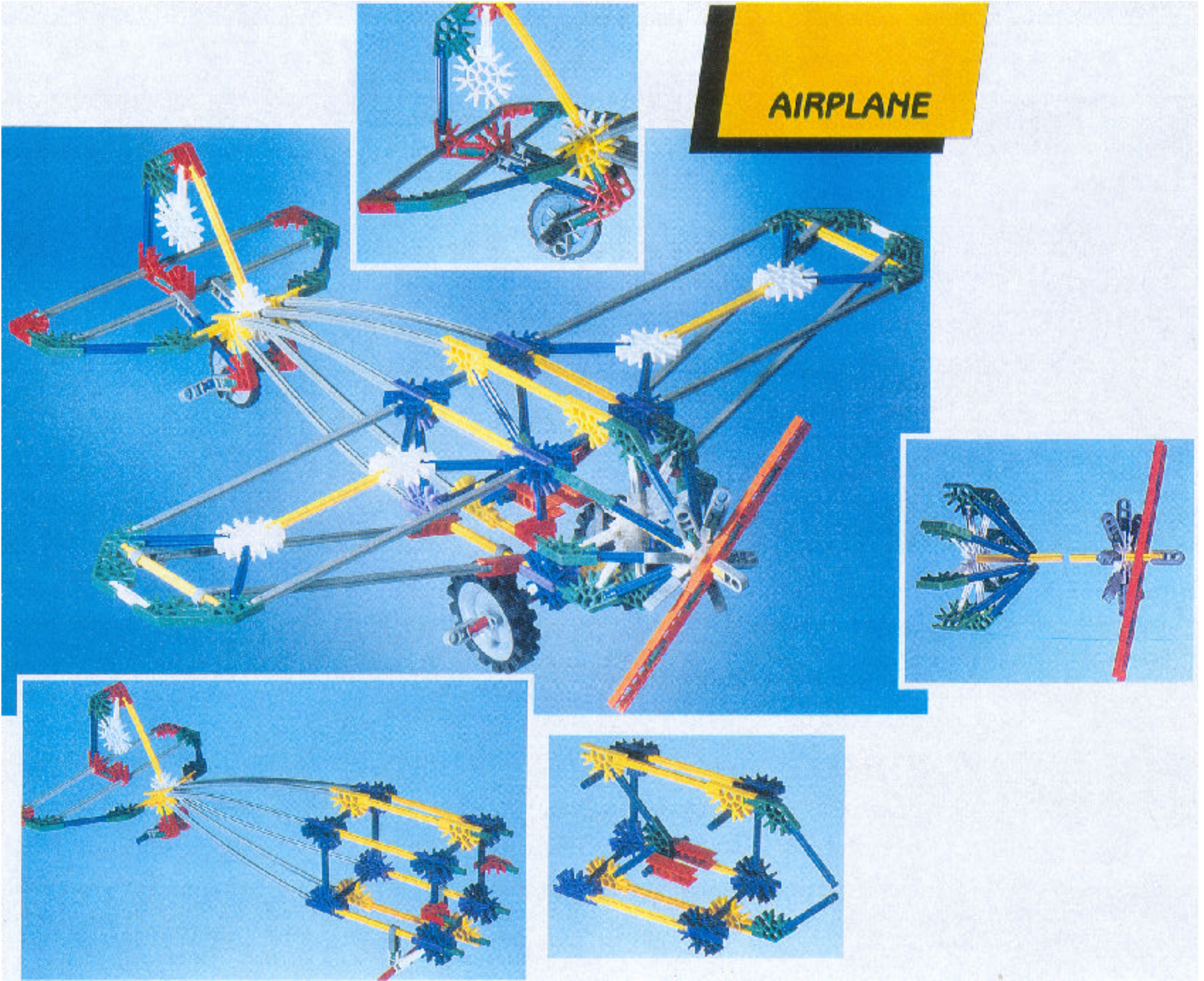
# MOTORCYCLE



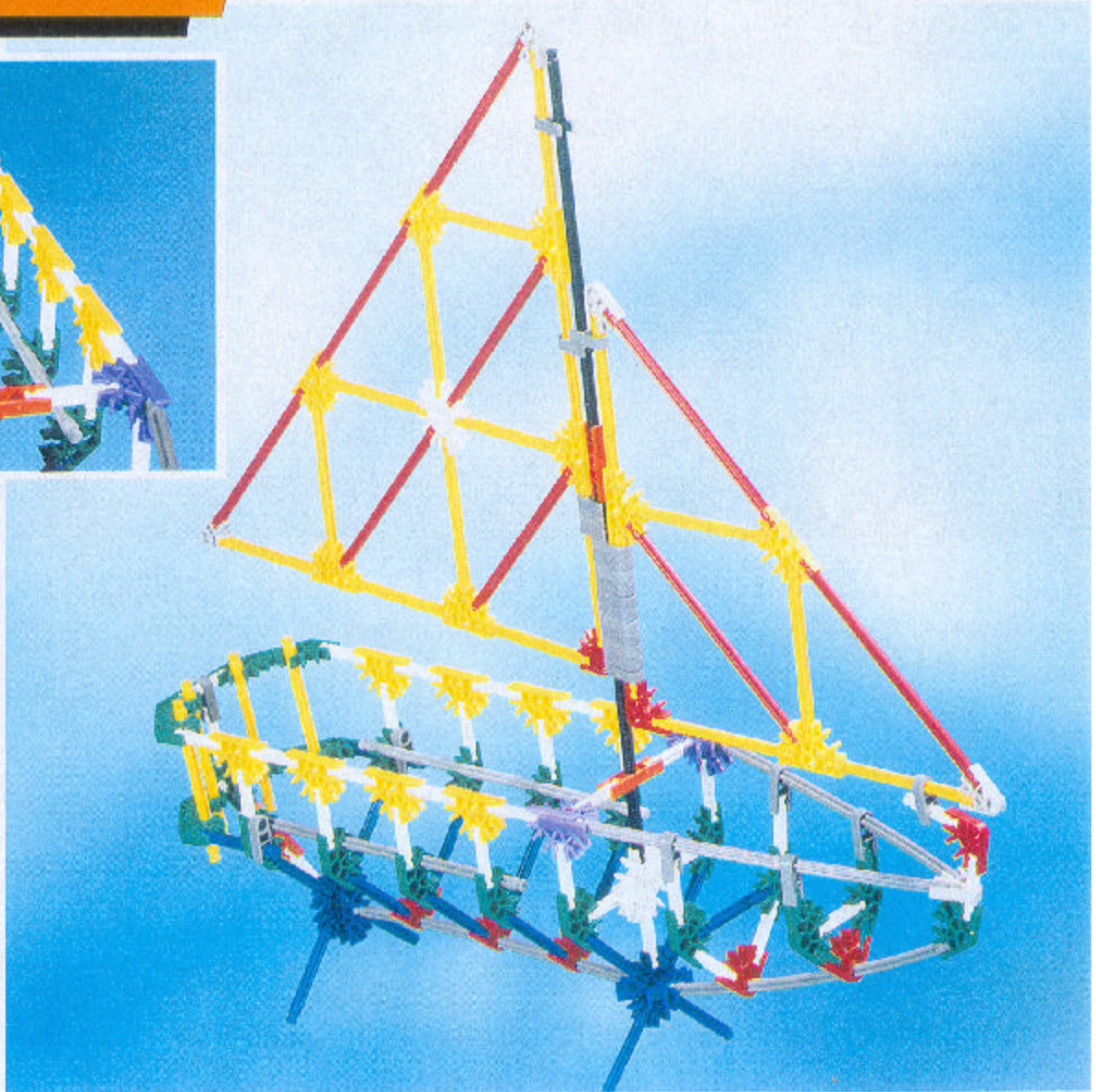
# GIANT WINDMILL



**AIRPLANE**

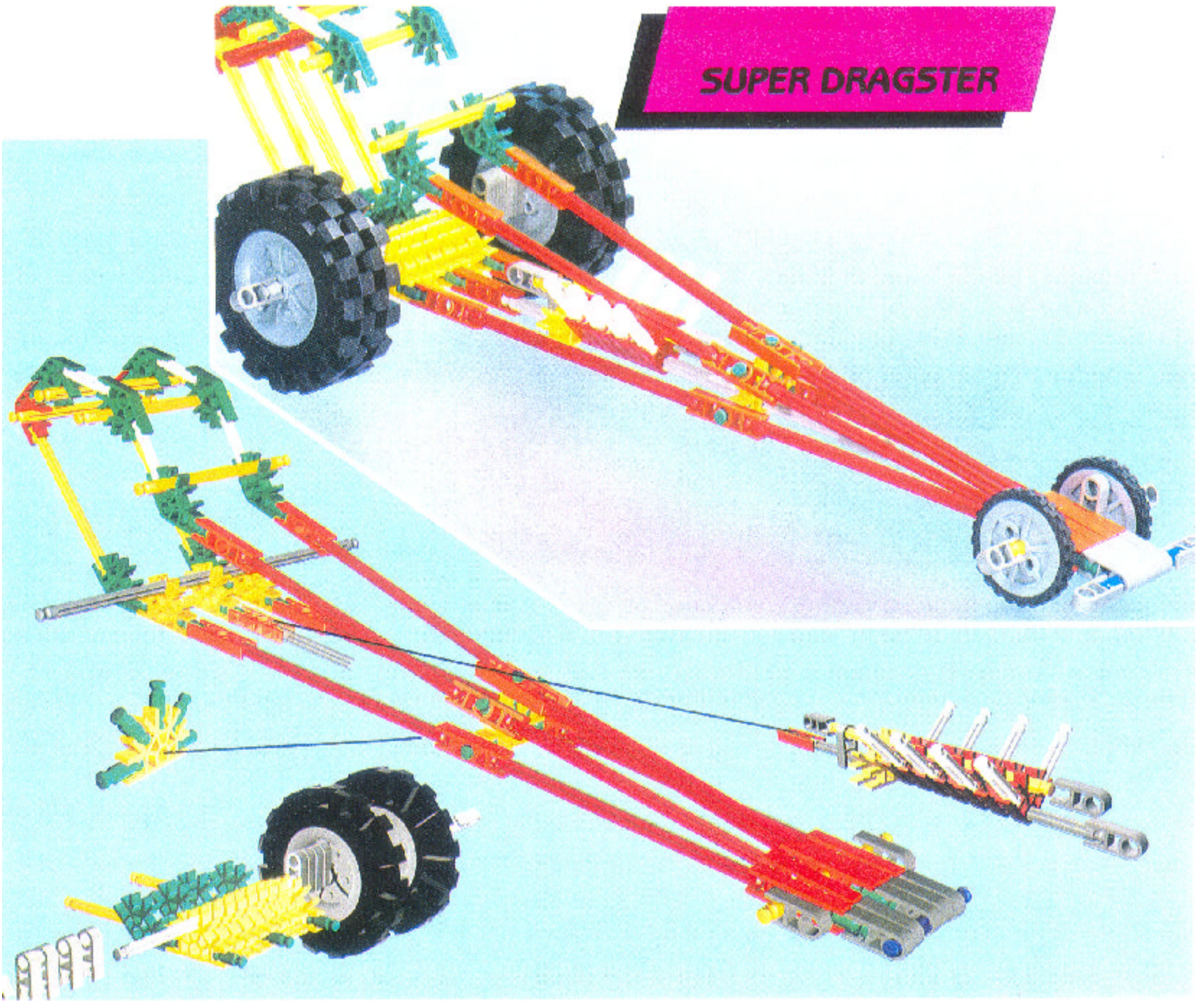


# SAILBOAT

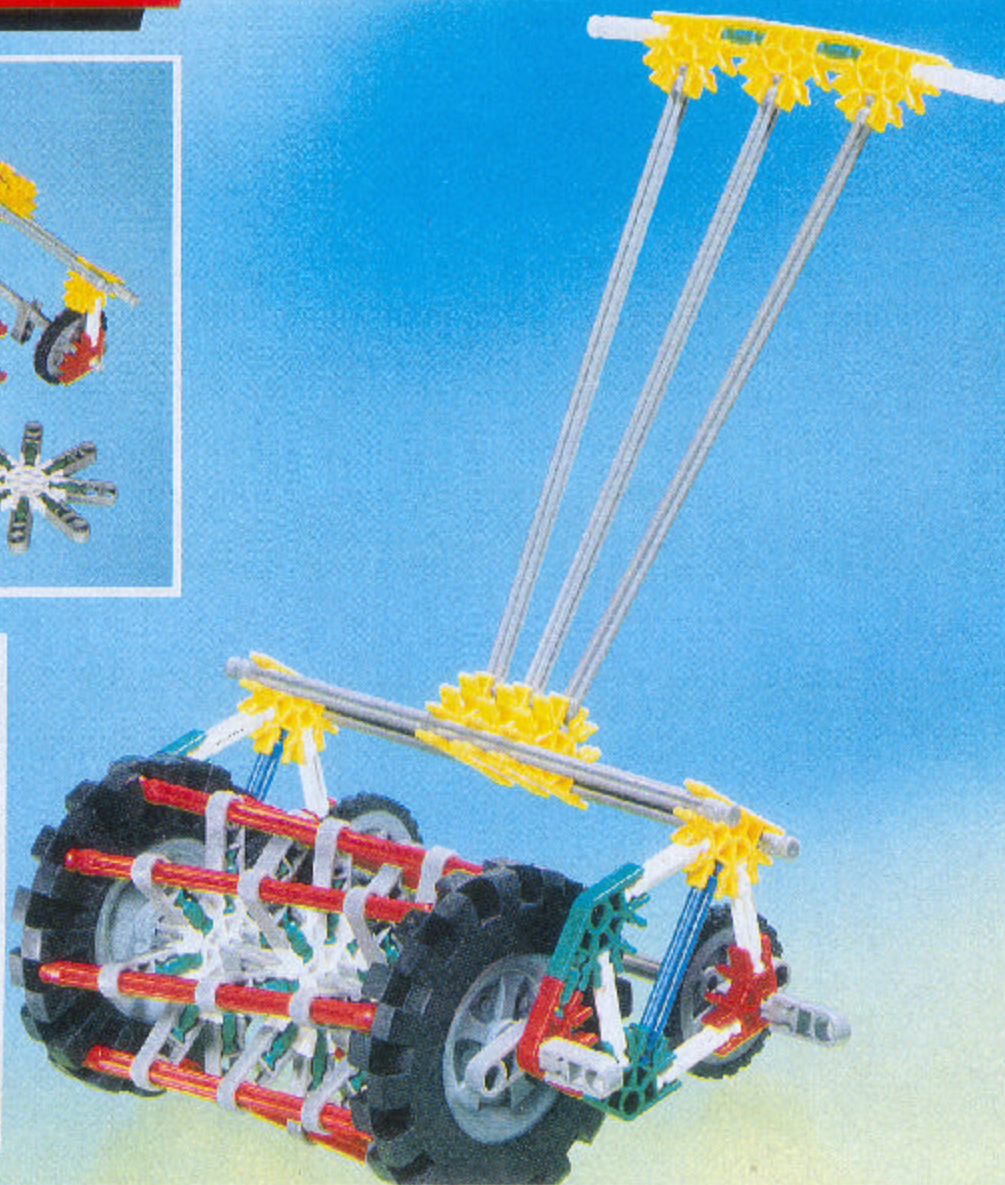
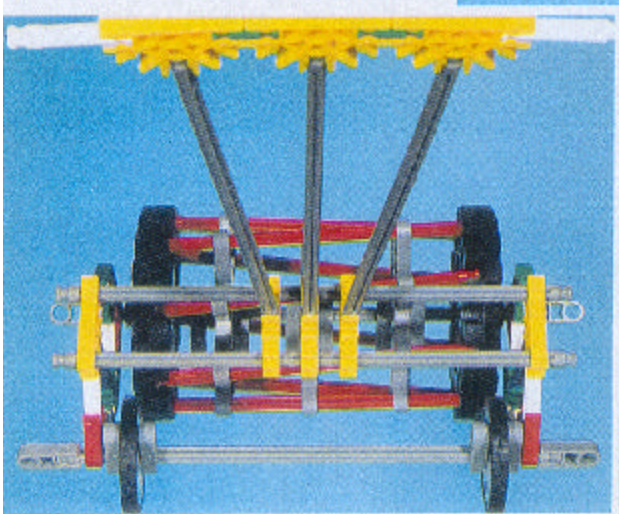




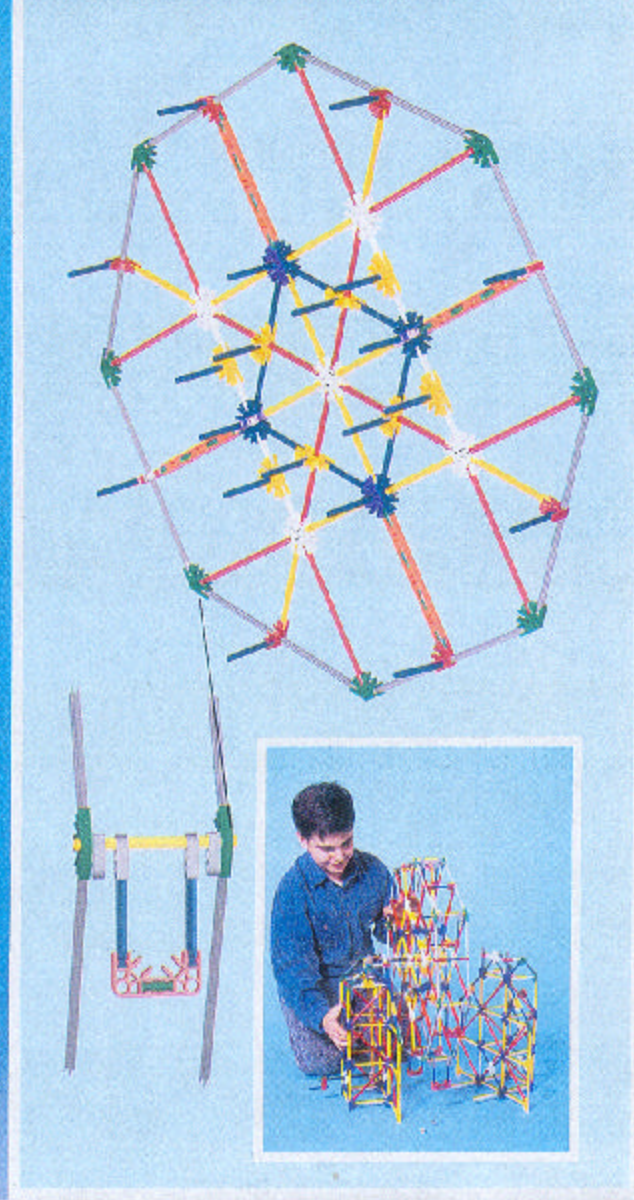
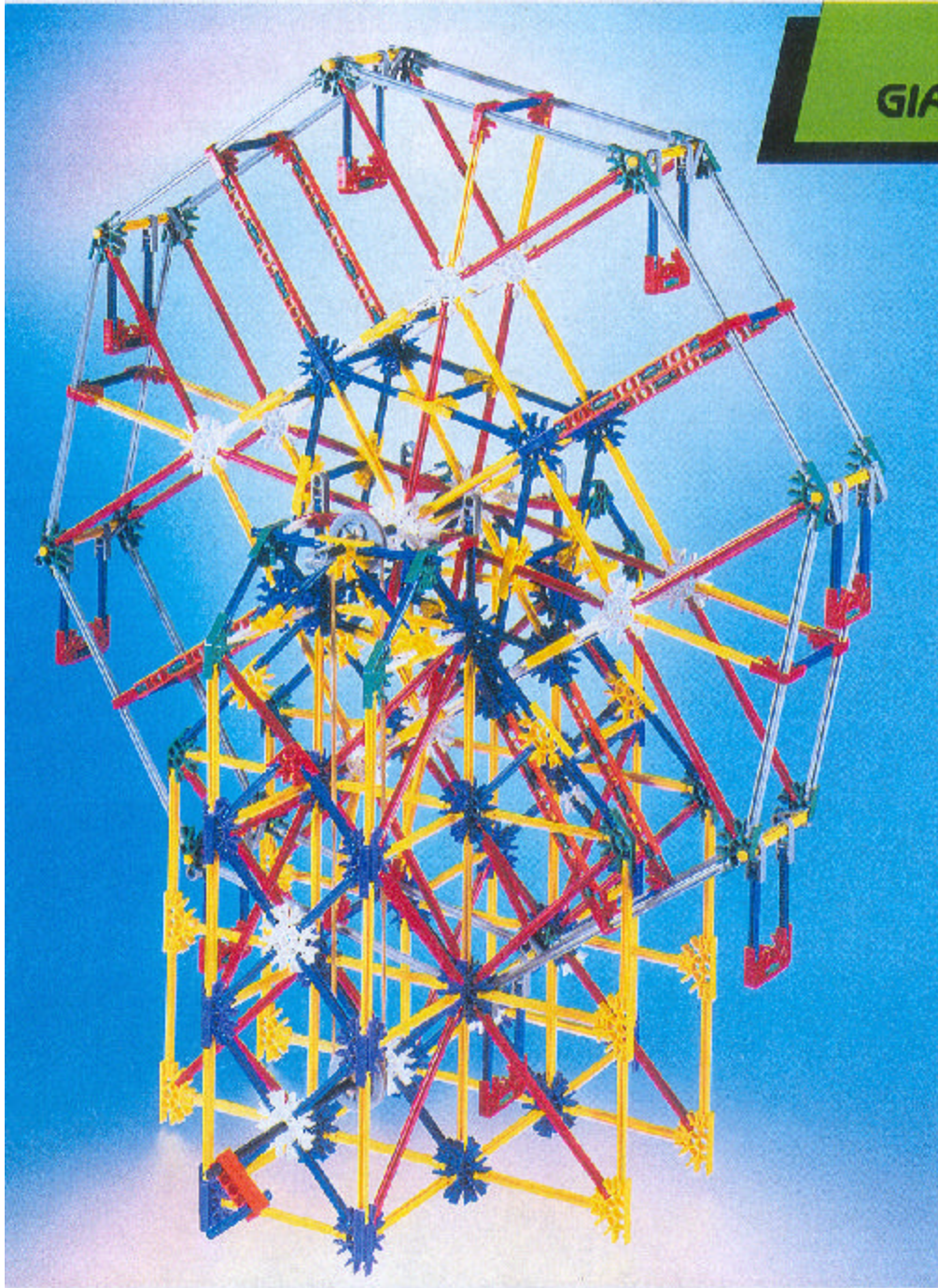
# SUPER DRAGSTER

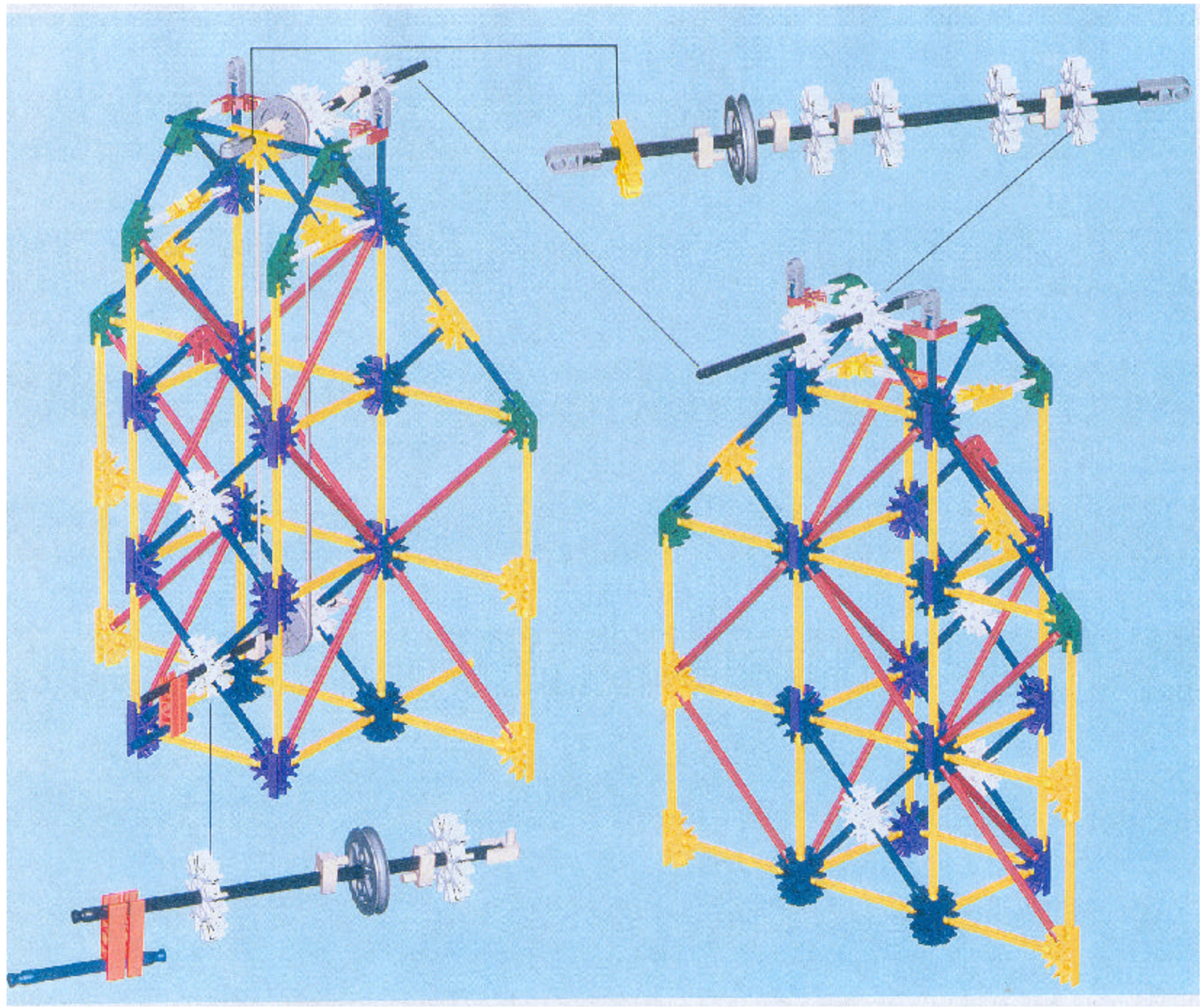


# LAWNMOWER

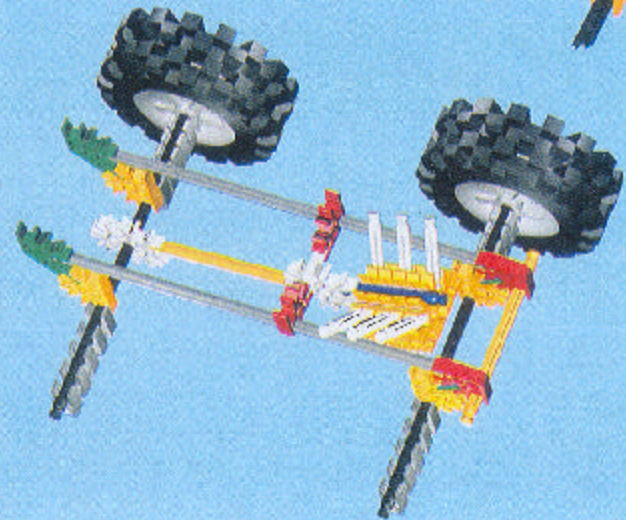


## GIANT FERRIS WHEEL

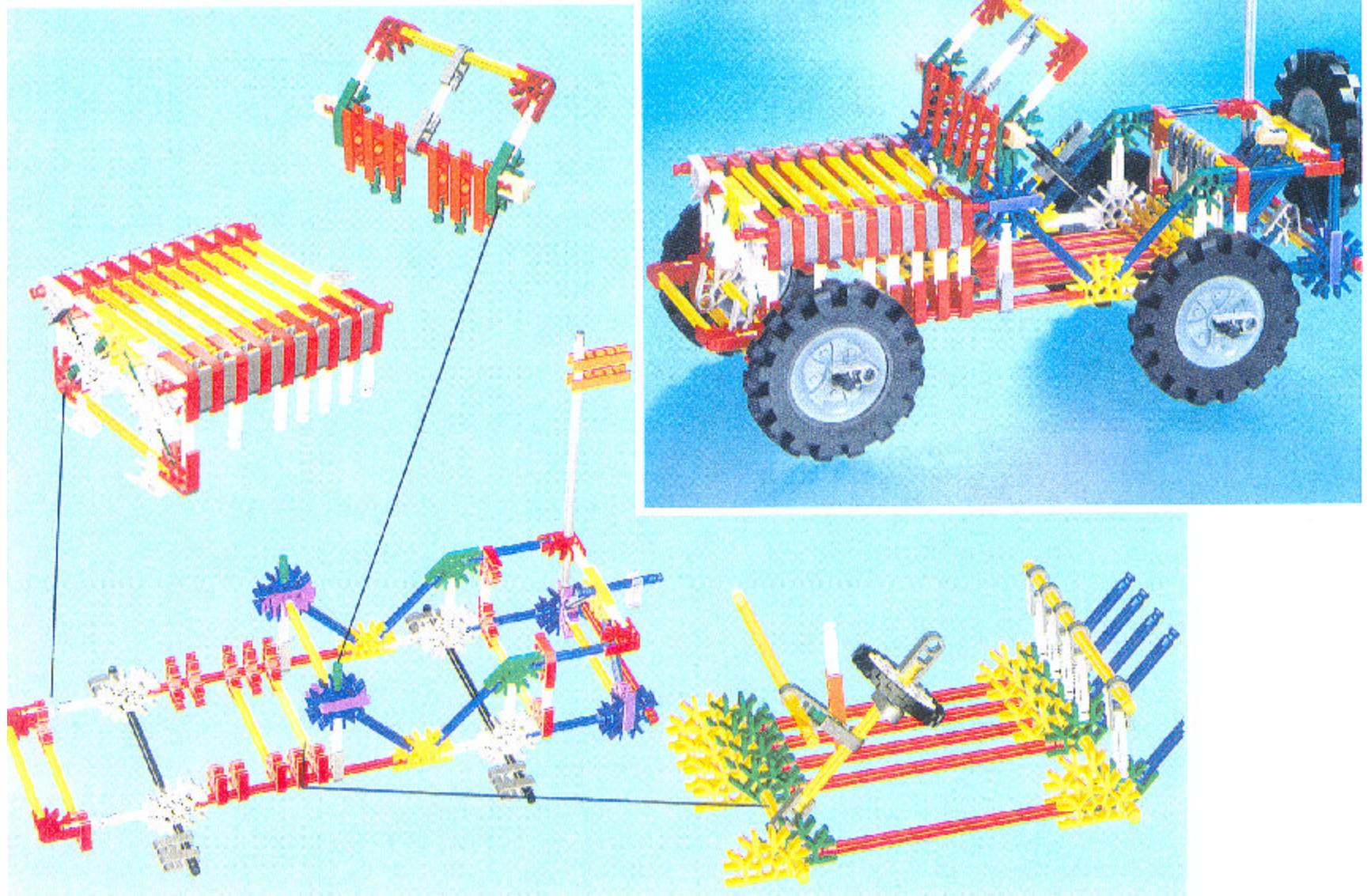




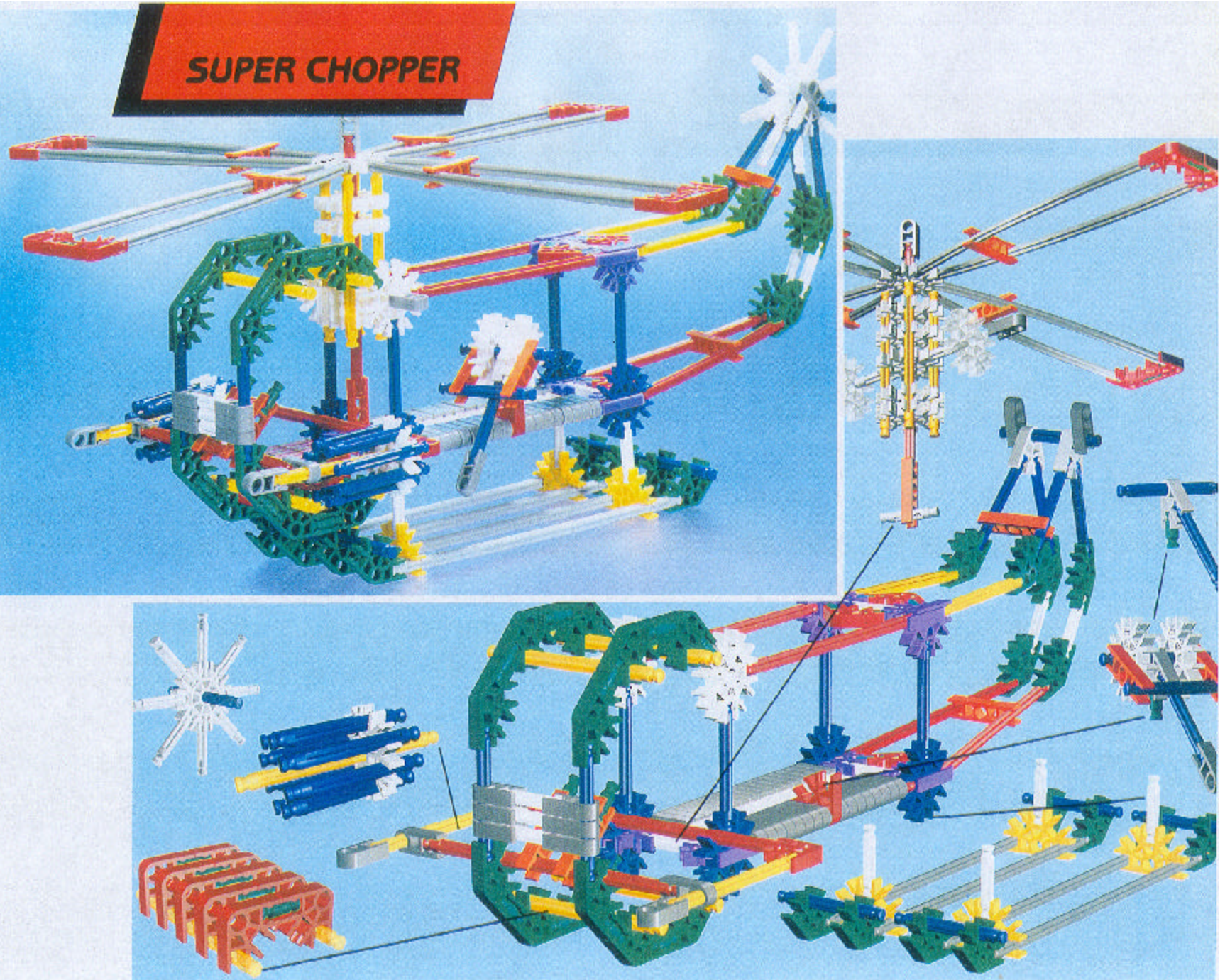
# MONSTER TRUCK



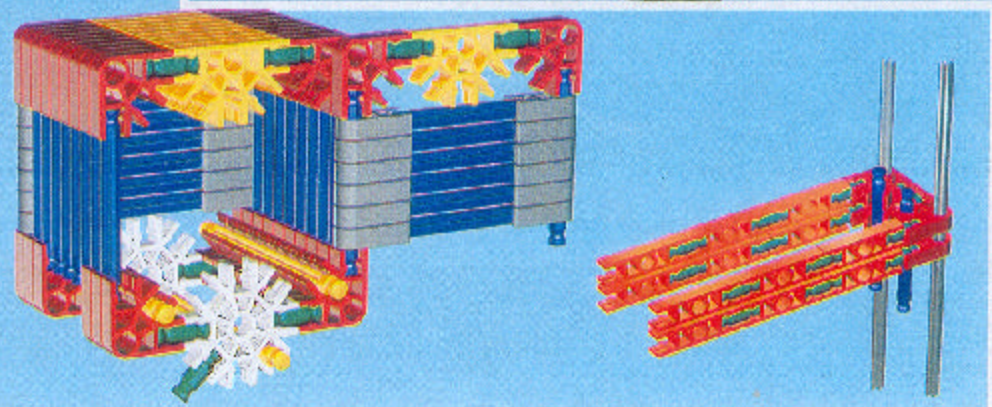
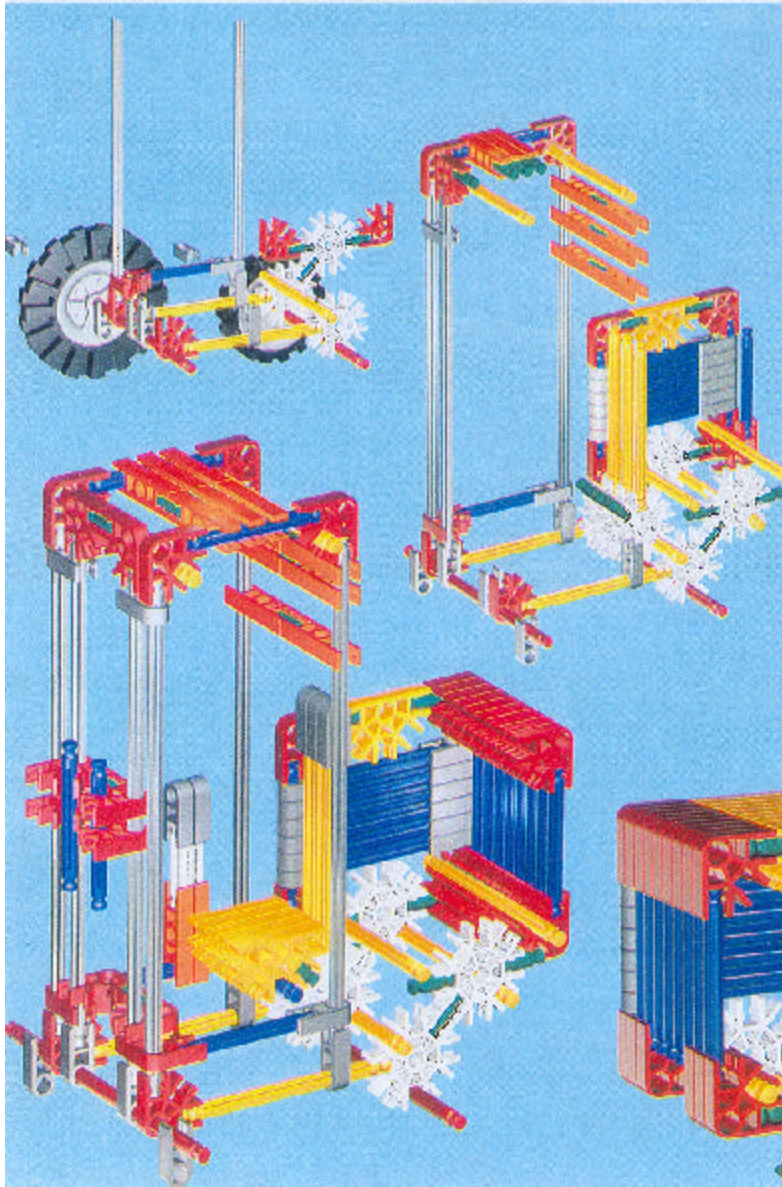
# ALL-TERRAIN VEHICLE



# SUPER CHOPPER

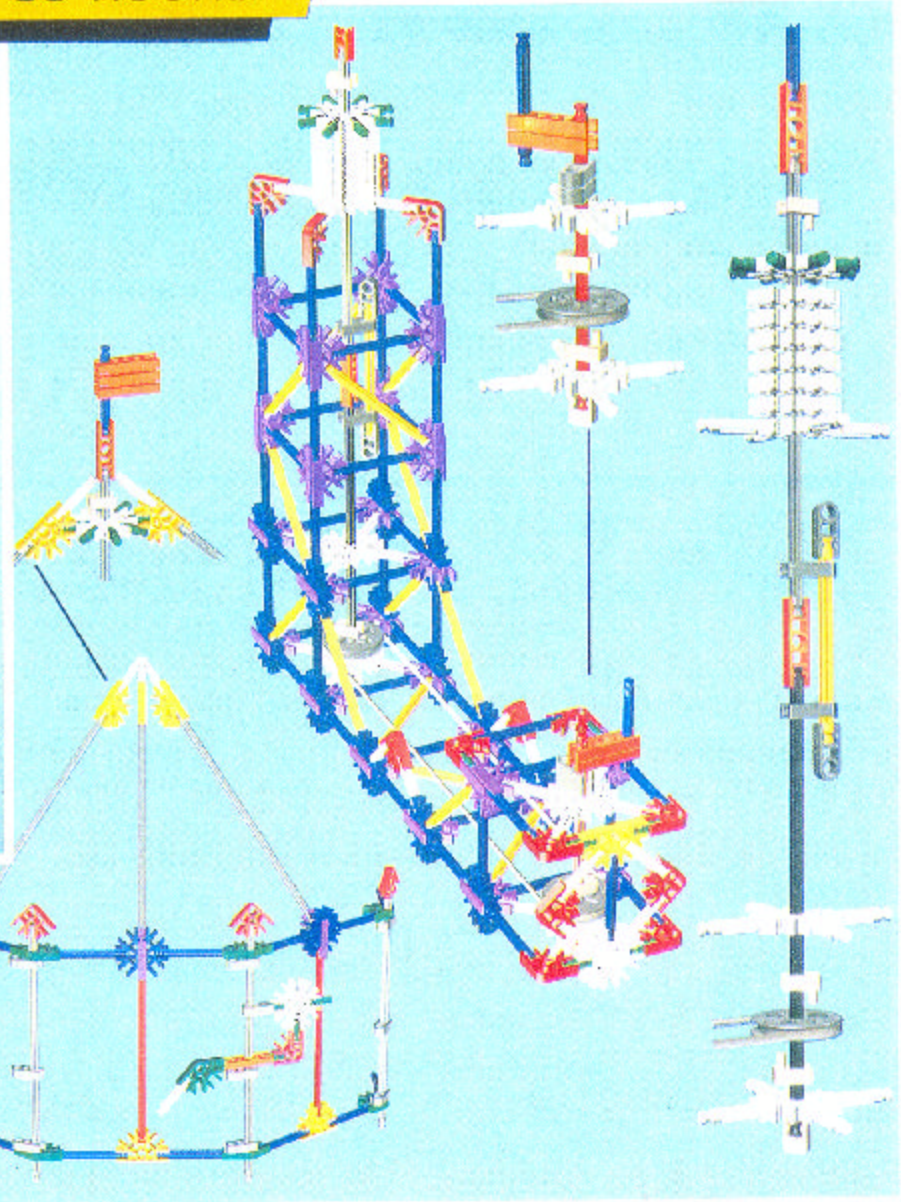
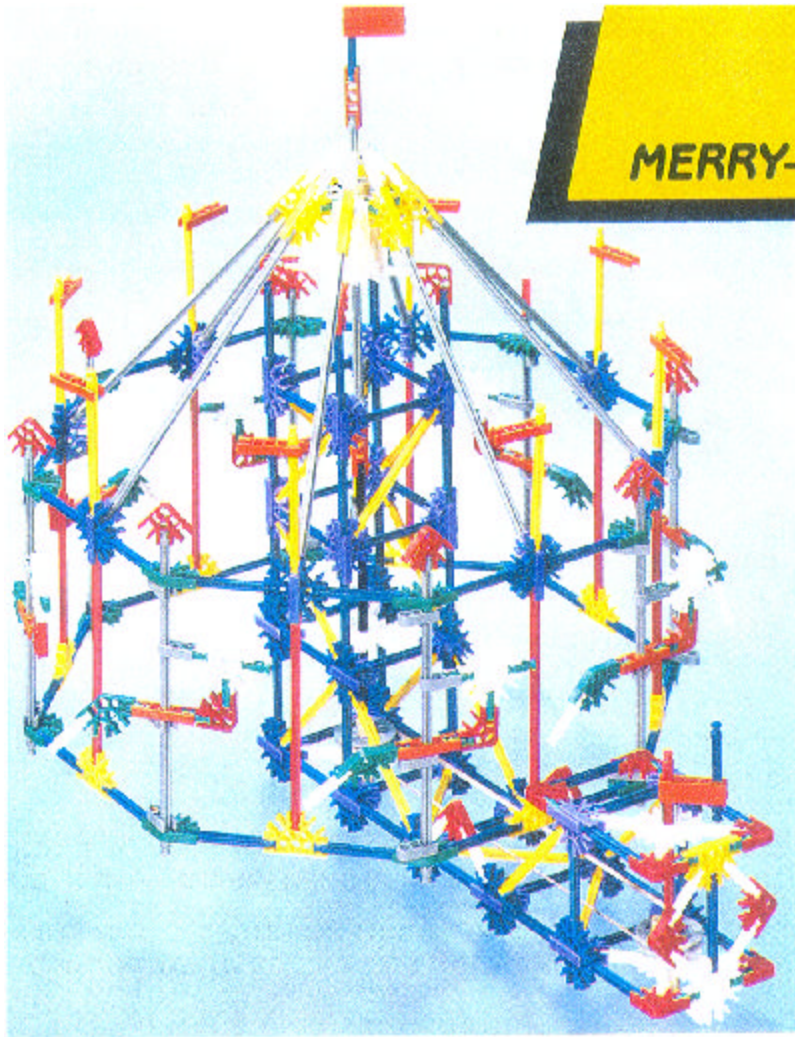


# FORKLIFT TRUCK

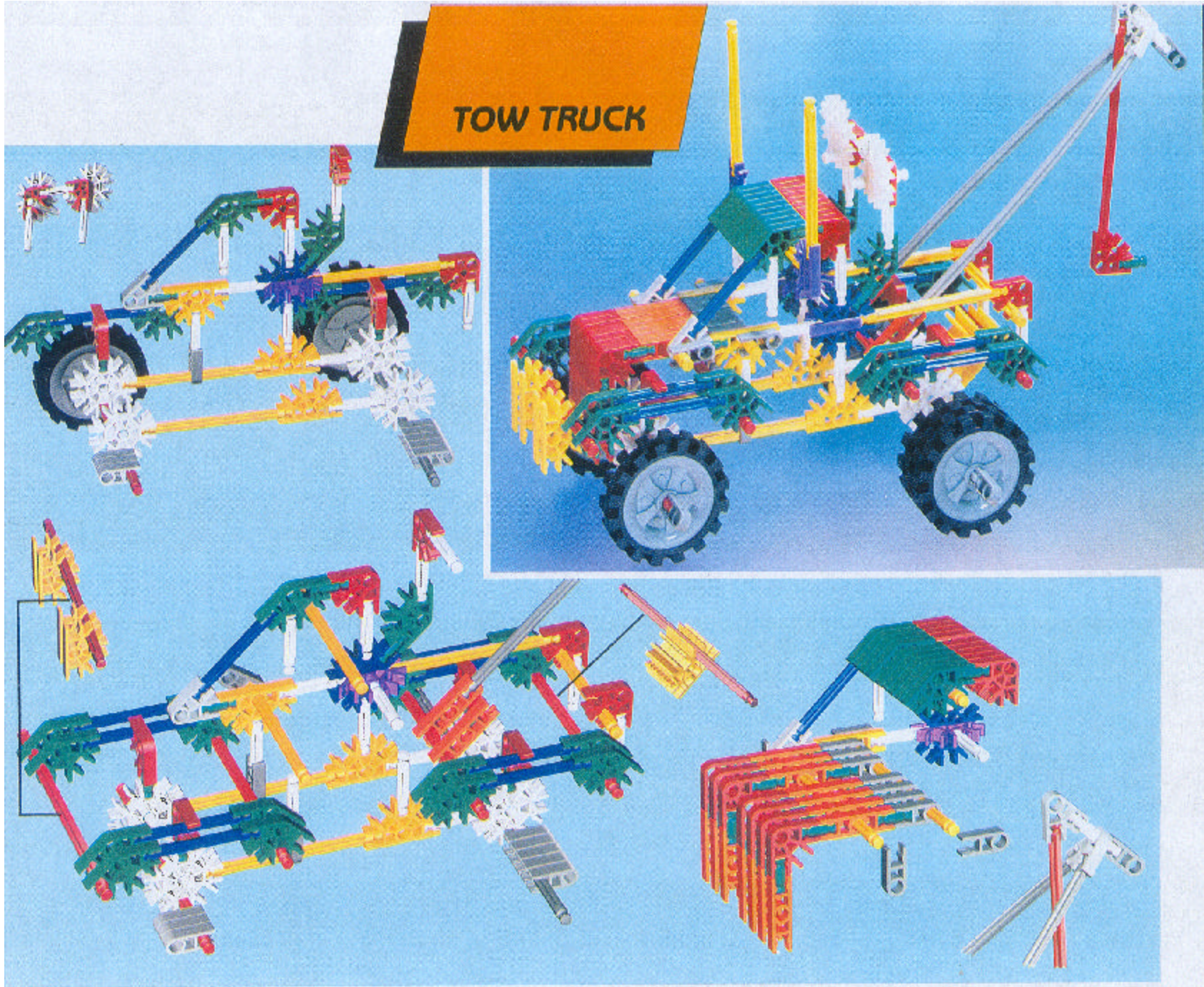




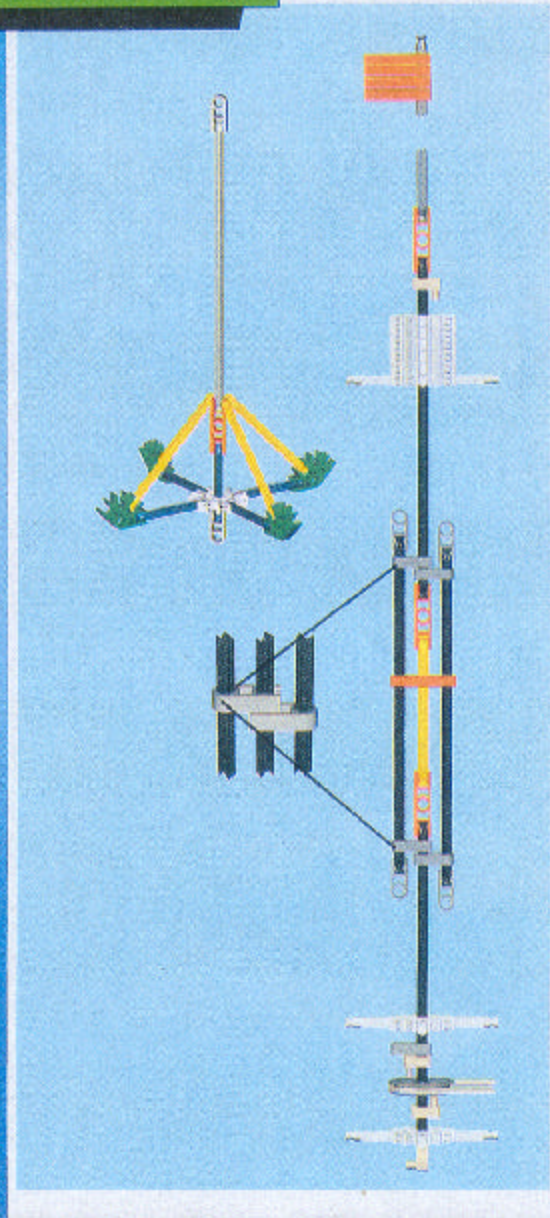
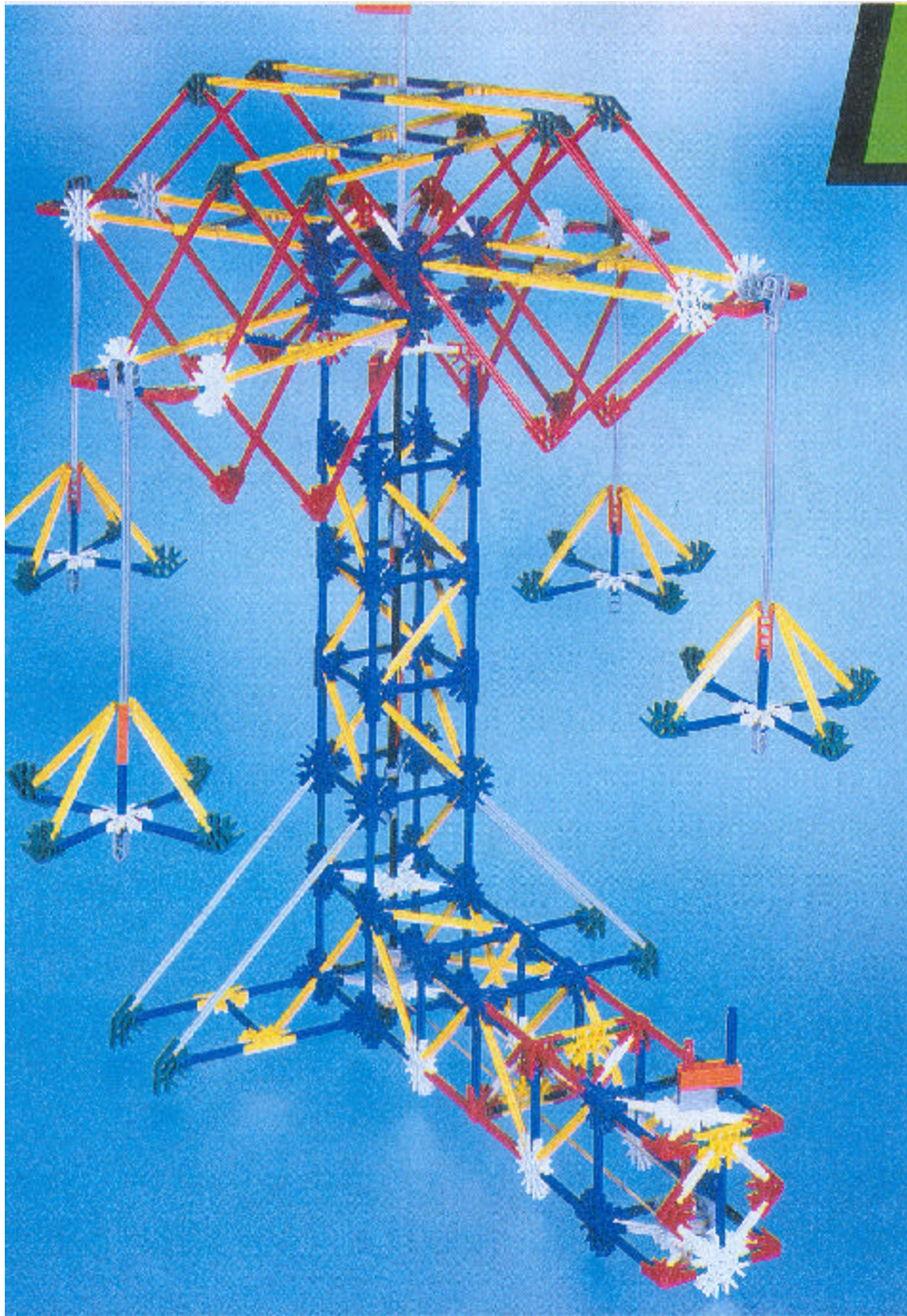
# MERRY-GO-ROUND

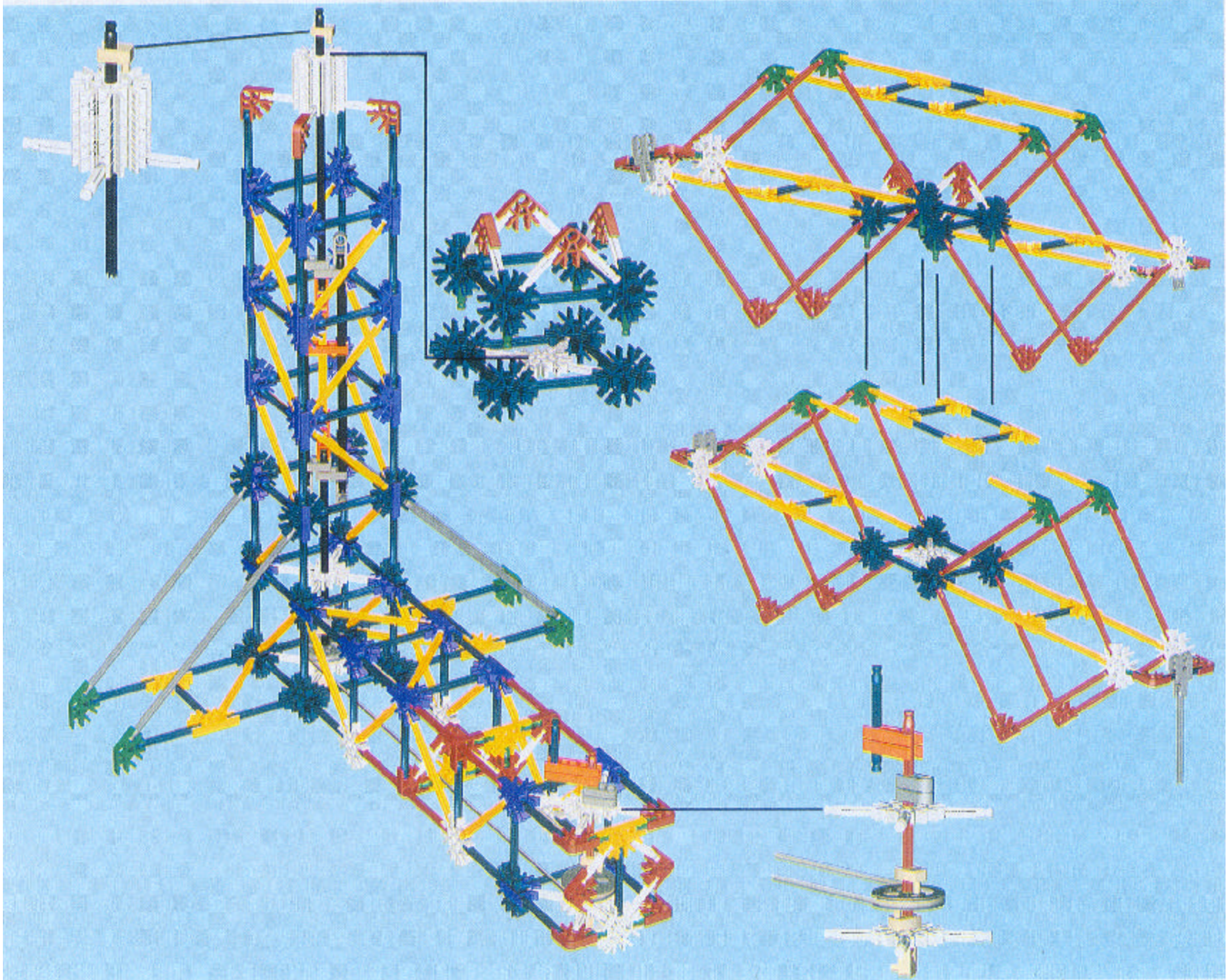


# TOW TRUCK



# SWINGS





# DUNE BUGGY



**Your  
INTERMEDIATE SET  
contains:**

**CONNECTORS**

Tan lock	8
Gray	66
Orange	26
Light gray	10
Red	53
Green	34
Yellow	32
Blue	32
White	26
Purple	43

**RODS**

Green	52
White	46
Blue	124
Yellow	105
Red	54
Gray	17
Black	4

**TRIM**

Small tire	4
Medium tire	6
Large tire	8
Small hub	4
Large hub	14
Rubber band	2

770



Connector Set Toy Co.  
Hatfield, PA 19440-0700  
Call 1-800-KID-KNEX with questions/comments.

Conforms to the Requirements of ASTM Standard  
Consumer Safety Specification on Toy Safety, F963-91.  
Manufactured under U.S. Patents 5,061,210, 5,137,488 and  
5,190,919. Other United States and foreign patents pending.  
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Made in the U.S.A. V-2