



Activity Kit

“I AM A MECHANICAL ENGINEER” Kit

Materials

Books:

- My Best Ever: Things that Go by Make Believe Ideas
- I Spy: Little Wheels by Jean Marzollo
- Simple Machines by Rebecca Rissman
- Wheels and Axles by Sian Smith
- Healthy Beginnings

CD

- Truck Tunes



Toys:

- K'Nex Bridge Transportation Set separated into tackle box, plastic container, and blue mesh bag
- Engineer Helmet
- Measuring Tape

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

Binder with activities

Recommended for ages 3-5

A good scientist always leaves equipment and tools clean for the next person!



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Appropriate accommodations for individuals with disabilities will be provided upon request. Please notify the branch offering the program at least 5 business days prior to the event. TTY users call Maryland Relay (711). This document is available in alternative format upon request.



4 green T connectors

12 yellow rods

59 blue rods

1 yellow tow connector

2 yellow eyes
2 blue eyes

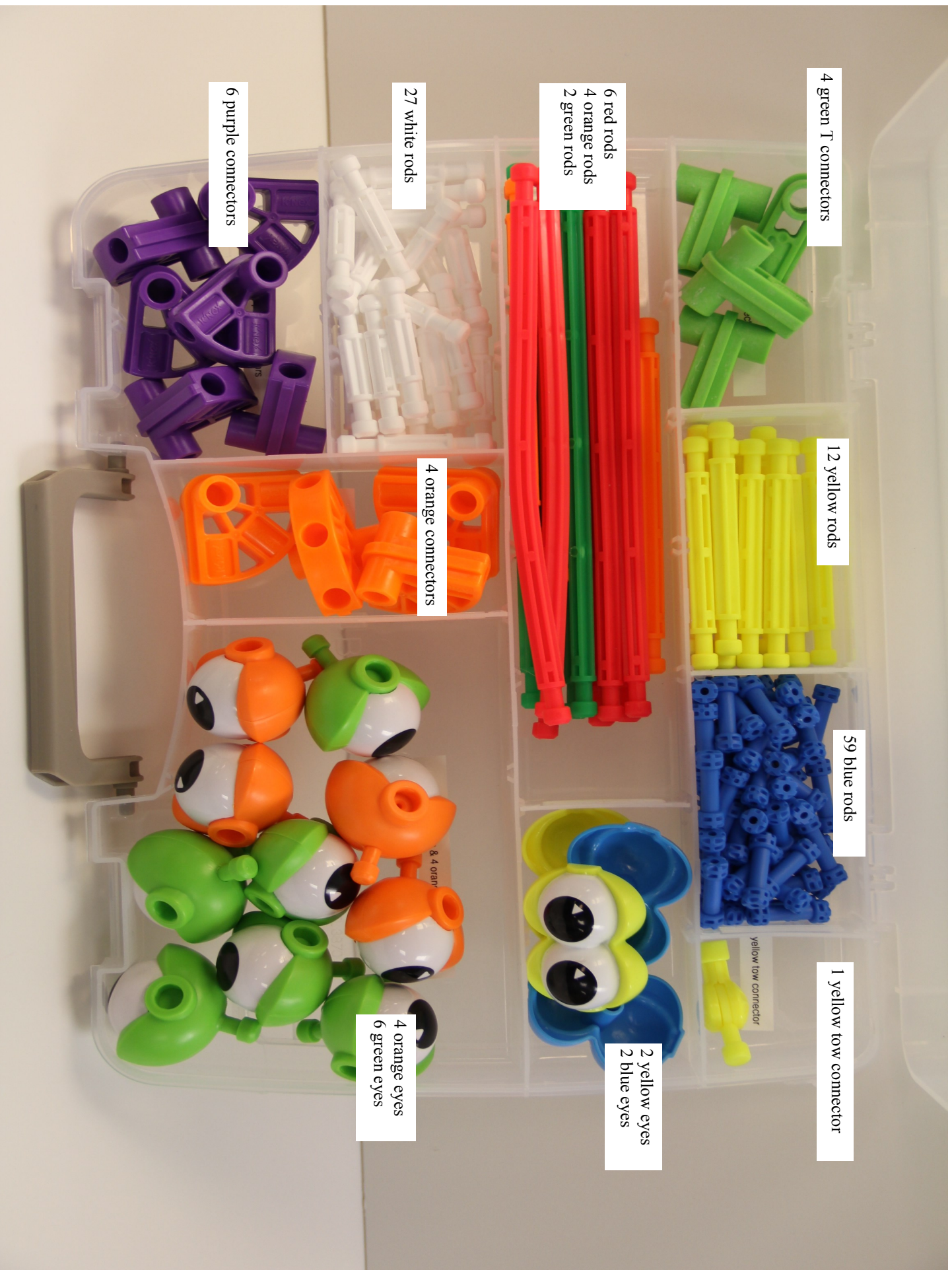
6 red rods
4 orange rods
2 green rods

27 white rods

4 orange connectors

6 purple connectors

4 orange eyes
6 green eyes



36 assorted wheels





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What to Know About This Kit...

The instructions in this kit show you how to build several machines that move using the K’NEX Bridge Transportation Set and provide activities to explore simple science and engineering concepts with your child using the models constructed.

‘Blueprints’ in the set include visual plans to build models of the following:

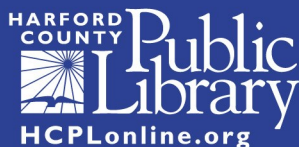
- **A car**
- **A fire engine**
- **A sail boat**
- **A truck**
- **An airplane**
- **A helicopter**
- **A dump truck**
- **A tow truck**
- **A land sail vehicle**

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You can also take the same materials and use them to build anything that you can imagine!

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A Note about Early Literacy Practices

Research has shown that introducing young children to the following five simple practices* at an early age will help children become ready to read by the time they are old enough for school.

Talking Together

Talking with children helps them learn oral language, one of the most critical early literacy skills. The experience of self-expression also stimulates brain development, which underlies all learning.

Singing Together

Singing—which also includes rhyming—increases a child’s awareness of and sensitivity to the sounds in words. This helps prepare children to decode print (written language).

Reading Together

Reading together, or shared reading, remains the single most effective way to help children become proficient readers.

Writing Together

Writing and reading go together. Writing helps children learn that letters and words stand for sounds and that print has meaning.

Playing Together

Play is one of the primary ways young children learn about the world. General knowledge is an important literacy skill that helps children understand books and stories once they begin to read.

**(from ‘Every Child Ready to Read’, 2011)*



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