



Make a Better Bird Feeder



HOUGHTON MIFFLIN HARCOURT

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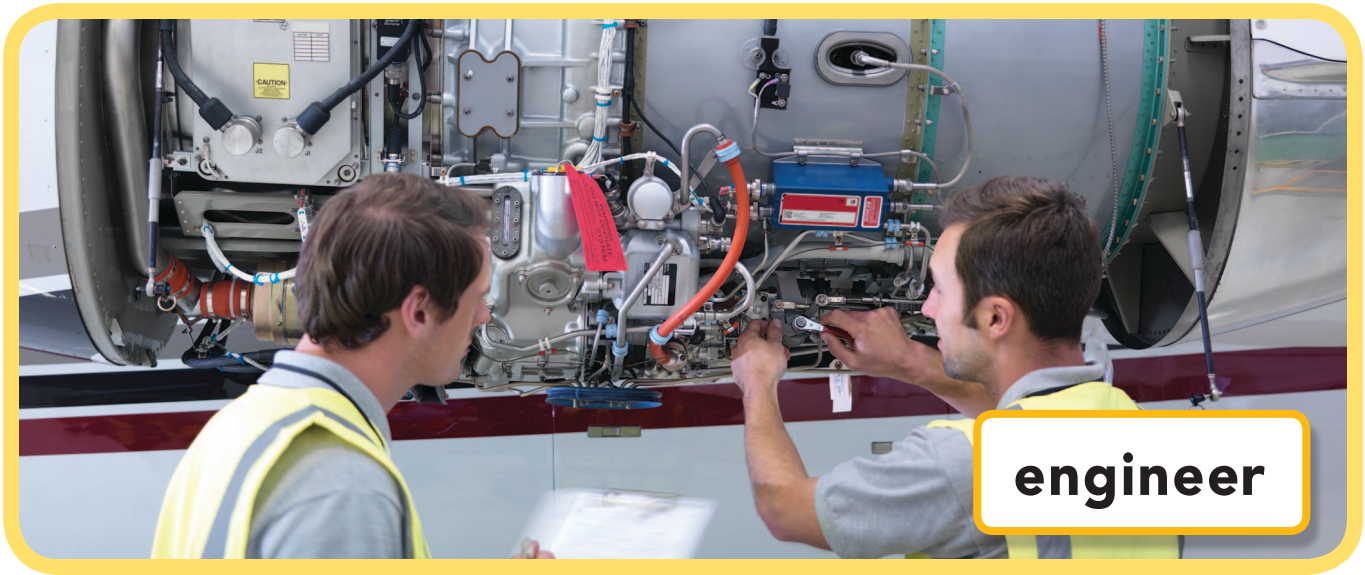


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engineer

An engineer's job is to solve a problem.
An engineer may design something to
solve the problem.

A photograph of three professionals, two men and one woman, wearing white and yellow hard hats and business suits. They are standing on a modern, elevated walkway with a yellow metal railing, looking intently at a large set of blueprints held by one of the men. The background shows a modern building with large windows and a clear sky.

engineer

Some engineers design computers. Some design buildings and roads. Others design things we use at home.

Anyone can solve a problem. This person wanted to feed birds. He designed and built a bird feeder.



bird feeder

problem



There is a problem. Squirrels ate the birdseed. There was no food left for the birds.



This person had to improve his plan. He had to design a new bird feeder.

repeat



problem solved

He added string. He hung the bird feeder. The squirrels could not reach it, but the birds could.

Responding

Be an Engineer at Home

Draw a picture of a problem. Write a sentence to tell about it. Then draw a way to solve the problem.

Write Steps

Copy these sentences onto your paper. They tell how to design a plan to solve a problem. Use the vocabulary words to complete the sentences.

1. First, name a(n) _____.
2. Next, _____ a plan to fix it.
3. Build your plan.
4. Test your plan.
5. Did you _____ the problem?
6. If not, you need to _____ your plan.
7. _____ all the steps above until the problem is fixed.

Vocabulary

design	process
engineer	repeat
improve	solve
problem	



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