

Model Builder

These engineers design models of parts of spacecraft. They work with ideas and with materials and use computers to bring those ideas to life. A model builder must be good with math and science and also feel comfortable using technology. When you designed and created your rockets or designed the lab module for the International Space Station on the computers and printed it out in the 3D printer, you were doing activities that a model builder could do in his or her job.

Biography - Gary (works for NASA)



What do you do in your job?

I construct prototype models designed by NASA engineers. The models are built to scale and give a better understanding of what the actual spacecraft will look like. I have received crude sketches on napkins, so I must try and extract ideas out of the engineers' heads to get exactly what they want. Other times, I get full-scale dimensional drawings. I have worked on every project that Goddard Space Flight Center has constructed over 29 years and have met hundreds of people; some are like walking computers - full of information.

What school subjects do you use at work?

Math, English, Shop, and Science. product.