

First, a little background on what I am doing. I feel there is a void on television. Here is the question I asked K.E.T. (Kentucky Educational Television) vice president of production when I pitched my show to him, and now I ask you: Name for me, if you can, a positive male role model that is on TV, WHO IS ALIVE!?

It is hard question to answer. Bill Cosby is the only person people can come up with, and he was on the air in the 1980's! I am producing 13 shows this fall, and in every show we meet a great person, and I take a child on an adventure to meet this great person and learn something from them. You can see the 3 low budget pilot episodes I have made, as well as all the other work I have done at my webpage [unclefunbuck.com](http://unclefunbuck.com).

Your episode is going to be "How to make your own toy". In this episode, all we are going to be showing kids is how you scan, manipulate the scan, send the scan to a printer and print. And if we want, we can vacuum mold a piece of plastic over the 3D printed object to make copies in plastic. Not sure if we are going to do this vacuum molding or not as of yet.

(This is a rough draft. Should you have any ideas or if you would like to share something cool I am missing, do it.) The episode involves you (the great person) coming over to my characters house, much like the firetruck comes over in the Field and the Fire Truck Episode. We have our introduction, and then you turn to the child and say "want to learn how to make your own toy?" And the child says "yes" and then you say, "lets set up everything in the garage". We walk over to the garage (and we will have things prepped for you) and you break out the scanner and the printer and set it up.

Then you turn to the child and say "what is your favorite toy?" And the child will say "toy cars". And you say "what is your favorite toy car?" and the child will say "I don't have a toy Tank". And you say "would you like to make a Toy Tank?" and the kid says "YEEESS!". You smile and say "with what you are about to see and learn, you will be able to make ANY toy car your heart desires. What I am going to show you is what the manufacturing industry calls "fast prototyping", where we can make a sample product of ANYTHING, VERY FAST AND FOR VERY LITTLE MONEY. Let's get started."

I call Tank and he drives over by himself and I say "Hey Tank, how would you like it if I were to say we are going to make a Toy out of you, so Josh can have a Toy Tank to play with". And Tank's bell goes "ding, ding, ding, ding"! Then you pull out the scanner(you tell us what it is and how it works-we need to be careful here-you sell these and I can't make a commercial for you for PBS/KET, you will need to have the name of the scanner ON THE SCANNER in dark print so our cameras will see it, and you can speak of all the cool details this scanner can do, but you will have to do it in a techy-way, instead of salesman-way, more so to highlight the science, engineering and technology for kids, parents and grandparents to see and begin to understand) , put the battery on (you tell us what it is and why you need it) , set up the lap top and tell us why it is there and what it is used for (much like the video of the VW bus scan online except you will be teaching us each of the steps verbally) and then you begin scanning. You begin moving the scanner over the VW Bus and we see the scan appear on the screen, much like we see in the youtube video. You get to tell us how to use the scanner, you say it is pretty easy, and then you ask the child if he wants to scan for a while, and the child says yes, and then you gear

the child up with the battery and we see the child begin to scan. This will be good for kids to see, so they can get the feeling that if this child can do it, I can do it. It will also be good for your customers to see that a child can do it and we can make your product look like it has a low learning curve.

(What you will need to do is come down here before we film and scan this VW Bus. Then you can go home and work on the VW Bus file and make the “scans align” and piece together the scans to come up with a digital model.)

We will film the child, you and me taking turns scanning the whole bus ( we won't really scan the whole thing, just film us like we are) and when we are all done, you can tell us to come and look over your shoulder as you work on the scanned images, (this is where we will edit a video of you doing the file editing, the scans aligning, the fusing of the scans, hole filling and mesh simplification-you get to tell us what this is in a very simplified and broken down way) and then you can show us texturing.

Each episode is 28.5 minutes long. This whole process will be speeded up in order to tell the story smoothly, without pauses. Then after you have the file all ready, you can begin to explain how we take this file to a 3D printer and make it. You will bring a 3D printer of your choice, and you get to explain to the kids how this 3D printer works, what it does, how it does it, and then we load up the file and start printing. I know this sounds so A,B,C, 1,2,3 and I know it is not. We are going to make it as A,B,C, 1,2,3 as we can, and this is where I will need your help.

You will need to come here and scan this bus and take the info back with you. You will need to take the scan and make it into a VW bus we can print. Here is a VW bus that I had printed that looks similar to a 1978 VW bus.



Have you seen how 3D printers can print moveable gears? I have asked my friend to see if he can print an undercarriage with moving wheels, so we can print a toy that kids can assemble.

