

HOW TO MAKE YOUR OWN GAME PIECES

The BioFuels game pieces are trucks or tractors that carry the biological starting materials or “feedstocks” from their places of origin (farm, field, forest, or recycling center) to the fuel pump.

Depending on the size of your game board print-out, purchase 5 (or more) toy trucks. For example, we printed out an 8-ft long gameboard for the game’s introduction and have also distributed several 3-ft long versions. For the 3-ft long game board, we used a combination of Matchbox or Hotwheels type miniature trucks for the game pieces.

STUDENTS: HAVE FUN WITH YOUR OWN CREATIVITY !!!

Select a type of biological feedstock and then decorate a miniature truck (or tractor) with your own representation of that feedstock.

Here are some ideas from our truck-game pieces:



ANIMAL WASTE FEEDSTOCK GAME PIECE (For Horse & Bull Blvd.):

We hot-glued small plastic farm animals and used black and brown “pom-poms” from a craft store to represent animal manure. This truck created lots of giggles too.



WOOD & MILL WASTE FEEDSTOCK GAME PIECE (For Forest Mill Street):

We used a non-toxic white glue to attach small evenly-cut twigs into a miniature “log-pile” on the back of this truck. A garden rose-trimming tool was the easiest way to make lots of little “logs”.



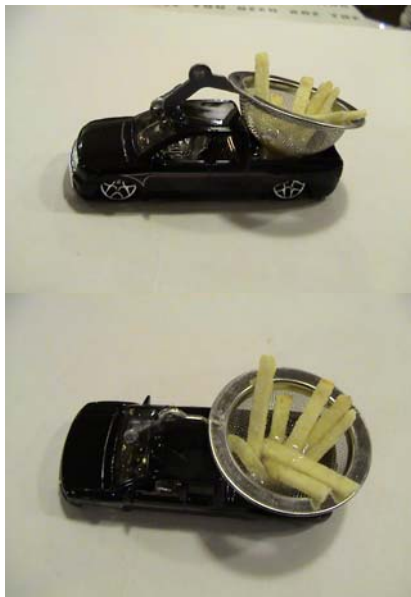
**GRASS FEEDSTOCK GAME PIECE
(For Prairie Road):**

Craft stores in our area carry miniature ‘bales’ of hay or grasses. We glued each tiny bale onto the back of the truck with a non-toxic white glue. For some game boards, we ran out of trucks and found miniature tractors for the same purpose. We attached the miniature grass bales with string or wire and ‘pulled’ them behind the tractor.



**SOYBEAN OIL FEEDSTOCK GAME PIECE
(For Oily Avenue.):**

The truck bed was ‘lined’ with a strip of sticky-back felt material to provide more surface to attach the basket. Miniature baskets found at a craft store were glued to the back of the truck with a hot glue gun and then soybeans were glued into the baskets with a non-toxic white glue. (Other oil-seed crops could be used too). We found bulk soybeans at a local Asian grocery store.



**FRENCHFRY WASTE OIL FEEDSTOCK GAME PIECE
(For Deep-Fry Drive.):**

A tea-infuser-ball from the grocery store was broken into two halves and half was used to create the “French-fry draining basket”. Potato sticks were glued into the basket using a hot glue gun. Extra hot glue was placed around the ‘fries’ to give the appearance of French-fry grease in the basket.

OTHER FEEDSTOCKS

Imagine other feedstocks that might be used. Which road would they take? Could they utilize some parts of the existing roads? Send us pictures and ideas from your class to share on our website!