

LEVEL 2.0

#77053

FROM ROCK TO ROAD

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Cars drive on roads. How is a road built?

Machine dig up rocks. Roads are built with rocks. Machines dig up rocks from the ground in a place called a quarry.

The rocks are crushed. Another machine smashes the rocks. The rocks are crushed into small pieces. The rocks are washed. The pieces of rock are dusty. Water is sprayed on the rocks. The water washes away the dust. The land is cleared.

A machine called a bulldozer clears away grass

and trees. The land is ready for the road to be built.

The bulldozer makes a dirt road.

Trucks move the rocks.

Dump trucks move the crushed rocks from the quarry to the road.

The trucks dump the rocks in big piles.

Machines shape the land.

The dirt on top of the road is soft. Soft dirt will fall apart under cars and trucks. A

machine called a scraper

pushes the soft dirt off the road. A grader

moves more dirt

to make the road smooth and flat.

The rocks are spread.

A tractor rakes the rocks over the road. A

machine

called a roller rolls over the rocks to pack them down flat.

The rocks are sprayed.

A machine sprays the rocks with a sticky mix called asphalt.

The asphalt hardens over the rocks. It makes the road strong and smooth.

A truck paints lines.

A truck paints lines on the road. The lines tell drivers where it is safe to drive.

Here come the cars!

Cars, trucks, and motorcycles zoom everywhere on roads.

All roads started as rocks.