

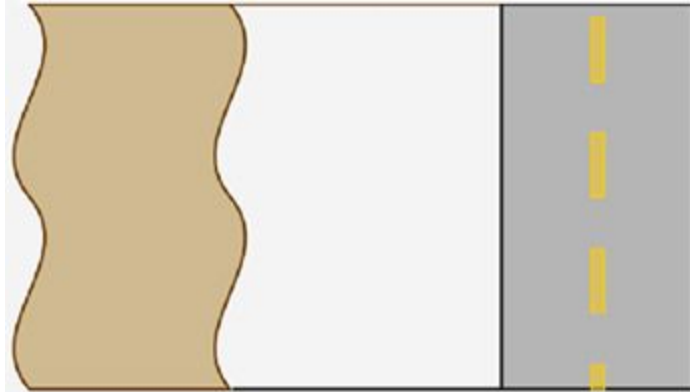


Activity Four: ...But How Do We Build Them?

Part 1: Then Versus Now

Provide students with a list of different road building materials, including their pictures and a brief description of what they are, and have them figure out whether they were used in pioneer trails, modern highways, or both.

Pioneer Trails Both Modern Highways



List of possible road materials includes:

sand
concrete
dirt
iron
rock/stones
fiber optics
wood
asphalt
steel
water

Then, as a class, discuss the students' ideas.
Then use resources, internet links provided,
as well as other sources to discover what materials
were used in pioneer trails, roads and bridges and
what is now used in modern highways
to see how close the students were.

Links:

<http://www.environment.transportation.org/>
http://www.cement.org/pavements/pv_cp_highways.asp
<http://www.fhwa.dot.gov/legsregs/directives/policy/recmatpolicy.htm>
http://encarta.msn.com/text_761566545_1/fiber_optics.html
<http://www.highways.gov.uk/aboutus/1137.aspx>
<http://www.moasphalt.org/facts/asphalt/menu.htm>
http://en.wikipedia.org/wiki/History_of_road_transport
(see *wheeled transport, roman roads, new construction methods*)

in the 18th and 19th centuries, and development of paved roads sections)

Part Two: Global Comparisons.

Autobahn

U.S. Highways

South American Highways

African Highways

