Tufts | Center for Engineering
UNIVERSITY | Education and Outreach

Cross Country Adventure

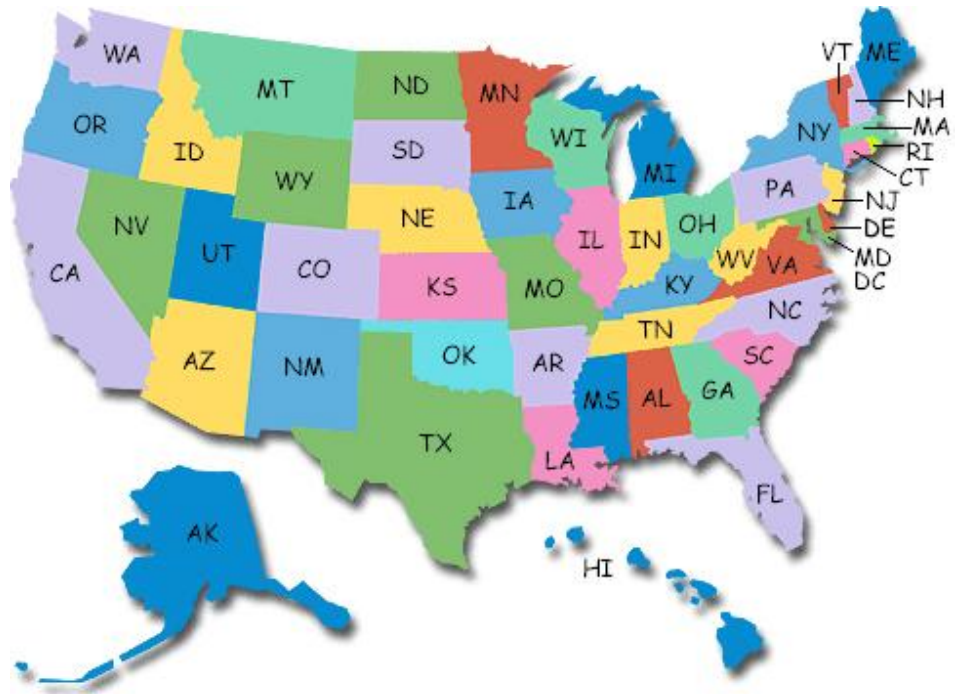|	
Suggested Time _____	30 - 45 Minutes _____
Challenge _____	In this activity, children will program an RCX or NXT car to travel from one state to another on a large floor map. They will have to determine the time it takes for the car to get from one state to another. _____
Age _____	5-10 _____
Topics _____	Distance, Geography, Measurement, Estimation, and Design _____
Subjects _____	Math & Social Studies _____
Programming Themes	Motor Forward & Wait for Time

_____

- NXT car
- Assortment of LEGO Technic Pieces
- Large floor map of the USA or a rug of the USA

Materials _____
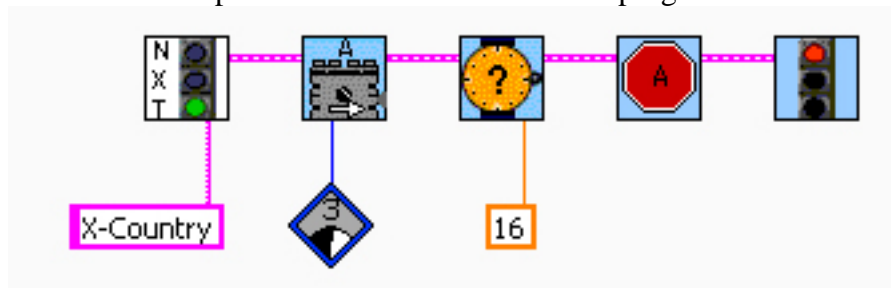
Building Instructions

Take an NXT and attach a wheel base and motors.

Programming Instructions

Here is an example ROBOLAB INVENTOR 4 program.

Click here to Download the example Robolab software:

http://www.legoengineering.com/activities/media/694X-Country.vi