Future Galant Projects[[1]](#footnote-1)

# Middle School Algorithm Animation

The advantage here is that students don’t yet know about algorithms and can do one of the following. In each case the research component would be more of a narrative approach rather than a user study (Dave Roberts had a technical term for this).

* shortest paths – do some unplugged exercises involving Dijkstra’s algorithm, both the plain variant and the geometric one; then ask students to use Galant to implement and animate these

# Accessibility for Blind Users

The software will need a fair amount of work before this becomes feasible, but shortest paths and minimum spanning trees are good algorithms to teach.

1. If you have any ideas on how to implement these or wish to pursue them, please contact Matt Stallmann at mfms@ncsu.edu [↑](#footnote-ref-1)