CAPITA

one

One Route and Vehicle Allocation

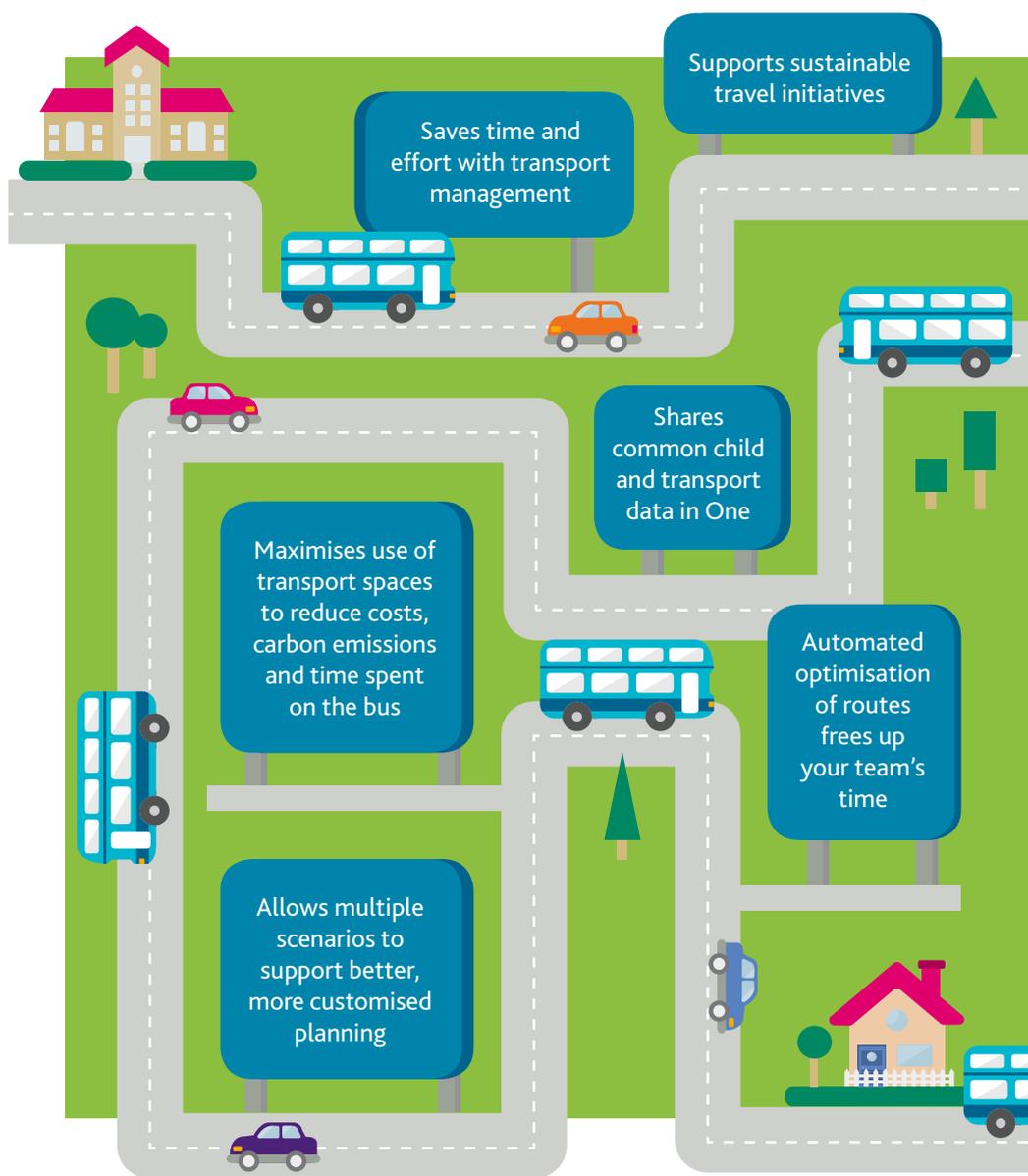## Ensure the most cost-effective home-to-school transport for all eligible students

One Route and Vehicle Allocation (RAVA) enables local authorities to optimise the use of vehicles and routes to school for all students who have a statutory entitlement to home-to-school transport, working out the most cost-effective routes and transportation.

Pulling data from One Transport, RAVA matches these with a road and footpath network to schedule the most efficient and safe transport requirements for children attending their schools - maxmising the use of vehicles to reduce costs, fuel and driver time spent on the road.

RAVA maps out the optimal routes based on parameters such as walking distance to the bus stop, maximum journey and loading time and the number of vehicles – allocating students to stops and vehicles as appropriate.

Transport planners can then consider a number of different scenarios before selecting their preferred option.

RAVA uses geographical data to streamline transport planning, giving your transport team more time to concentrate on contract and tender management, tickets and passes, as well as other ongoing transport processes.
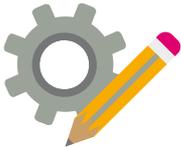

Saves time and effort with transport management

Supports sustainable travel initiatives

Shares common child and transport data in One

Maximises use of transport spaces to reduce costs, carbon emissions and time spent on the bus

Automated optimisation of routes frees up your team's time

Allows multiple scenarios to support better, more customised planning

Features

Share data with One Transport and One Admissions and Transfers

Students eligible for home-to-school transport can be bulk imported into RAVA, where the most efficient route based on geo-coded stops can be allocated. Once your transport team is happy with the created scenario, the routes and passenger details are imported back into One Transport for further manipulation, if required.

Customise with local parameters

Choose the maximum walking distance to each stop, the maximum journey time by bus and identify which vehicles are available.

Automated route optimisation

For each selected school, the eligible students are allocated automatically to their nearest bus stop, with those who cannot be placed at a stop identified. Teams can then remove students from a stop, or allocate stops, if required. The optimisation process within RAVA outlines the most efficient routes with the most appropriate vehicles in the defined fleet.

A clear picture of each route

For each route, the number of students on the vehicle, number of stops, distance, time and cost are displayed. If the optimum parameters can't be reached in the allotted time, RAVA will advise to increase the time needed. Any number of scenarios can be created and saved until the user is happy to populate One Transport.

All the information you need in One Transport

The agreed new routes, stop times and passenger lists are imported into One Transport. Stop times take into account the loading time for each passenger, and the passenger list includes the relevant 'from' and 'to' points for each individual.

Simplified reporting

RAVA includes a number of standard reports for a scenario, including details on bus passes, individual and bulk route map, students without geo-codes, students by route and stops by route.

Find out how One Route and Vehicle Allocation can help your transport team:

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