

# Everyone is a road user – activities list

Introductory activity.

“Wicked problem” investigation.

Finding out what students know about the challenges (problems and opportunities) for road users on local roads before we start.

## SECTION 1: What are the “wicked problems” (problems and opportunities) for local road users wanting safer journeys?

### Bringing in ideas

These activities provide opportunities for students to bring in ideas about the challenges and opportunities of keeping safe on the road network.

- **Activity 1.1. Wonder about a local road in the real world and in poetry [English – Making and Creating Meaning]**
  - 1.1.1. A half-hour walk
  - 1.1.2. Simply looking
  - 1.1.3. Found poems
  - 1.1.4. Sense poems
- **Activity 1.2. Describe the use of visual text to tell stories about the roads and road users. [English – Making and Creating Meaning – Visual Texts]**
- **Activity 1.3. Calculate the area that parked cars cover. [Maths and Statistics – Measurement and Shape]**
  - 1.3.1. What are the hazards for people, places and the planet when we create parking spaces for cars?
  - 1.3.2. How much space is used for car parking?
- **Activity 1.4. What do road users ask about a local road? [Maths and Statistics – Statistics – Statistical Investigation]**
  - 1.4.1. Questions for the local road
  - 1.4.2. Finding out what people think about a local road
    - 1.4.2.1. Surveying road users
    - 1.4.2.2. Interviewing road users
- **Activity 1.5. How do road users move? [Science – Physical World | Nature of Science]**
  - 1.5.1. Pushes and pulls
  - 1.5.2. What do forces do?
  - 1.5.3. Unbalanced force detectives
- **Activity 1.6: What do road users see? [Science – Living World]**
  - 1.6.1. Senses and living things
  - 1.6.2. What is light?

## SECTION 2: Explain the “wicked problems” (problems and opportunities) for local road users wanting safer journeys.

Relating ideas

These activities provide opportunities for students to connect ideas about the problems and opportunities for citizens/road users wanting safer journeys on local roads.

- **Activity 2.1. Compare road users: using local roads and as represented in poetry. [English – Making and Creating Meaning]**
  - o 2.1.1. Concept map
  - o 2.1.2. Real-time observation
  - o 2.1.3. Compare poems about cycling
- **Activity 2.2. Compare road users: using visual text. [English – Making and Creating Meaning]**
- **Activity 2.3. Compare the area covered by a parked vehicle with the total area needed to park. [Maths and Statistics – Measurement and Shape]**
- **Activity 2.4. Connect the questions that road users ask about a local road. [Maths and Statistics – Statistics]**
  - o 2.4.1. Classifying (sorting and grouping) the questions about a local road
  - o 2.4.2. Analysing what people think about a local road
- **Activity 2.5: What types of forces do road users experience? [Science – Physical World]**
- **Activity 2.6: Explain how road users see other road users. [Science – Living World]**
  - o 2.6.1. How do we see?
  - o 2.6.2. Using your eyes to look at someone else’s eyes
  - o 2.6.3. Dissecting a cow’s eye
  - o 2.6.4. Reaction to an incoming pedestrian (reaction times)
  - o 2.6.5. How much time does it take to react to a stimulus? (Measuring reaction time)

### **SECTION 3: Extend ideas about the “wicked problems” (challenges and opportunities) for local road users wanting safer journeys.**

#### **Extending ideas**

These activities provide opportunities for students to extend their thinking and experiment with ideas and information about safer journeys for road users on local roads.

- **Activity 3.1. Write to an author/poet about safer journeys for road users. [English – Making and Creating Meaning]**
  - o 3.1.1. How is using the road portrayed in poetry and children’s books?
  - o 3.1.2. Writing a poem describing the actions of a road user on a local road
- **Activity 3.2. Create a visual text for road engineers, architects and builders. [English | Maths and Statistics – Measurement and Shape]**
  - o 3.2.1. A futuristic liveable street
  - o 3.2.2. The bike shed
- **Activity 3.3. Is parking an issue? [Maths and Statistics – Measurement and Shape]**
- **Activity 3.4. What are the challenges (problems and opportunities) for road users on a local road? [Maths and Statistics – Statistics | English]**
- **Activity 3.5. Consider road users and local roads as wild life and waterholes. [Science – Physical World]**
- **Activity 3.6. Does “I can see you” mean “you can see me”? [Science – Living World]**
  - o 3.6.1. Exploring peripheral vision
  - o 3.6.2. Stopping distances
  - o 3.6.3. Extend your vision