# **Teacher's guide**

## <u>Warm up</u>

Part 1. Students discuss questions related to their experience of learning a new language. Answers will vary.

**Part 2.** Students match the words to their definitions. Encourage students to guess the meaning of any before looking at the options.

### Answer Key:

- 1. Bilingualism
- 2. Cognitive reserve
- 3. Dementia
- 4. Neural Networks
- 5. Brain connectivity
- 6. Cognitive decline

Part 3. Students fill in the gaps in the sentences.

#### Answer Key:

- 1. Dementia
- 2. Neural networks
- 3. Cognitive reserve
- 4. Cognitive decline
- 5. Bilingualism
- 6. Brain connectivity

## Video activity

Part 1. Students watch the video.

Part 2. Students answer the questions based on the video.

#### Suggested answers:

- 1. Cognitive reserve is the idea that people develop a reserve of thinking abilities, and this protects them against losses that can occur through ageing and disease.
- 2. Studies show bilingual people develop dementia 4-4.5 years later and recover better from strokes because their brains are more flexible.
- 3. Early bilinguals (since birth) have stronger brain connectivity at rest, while later bilinguals must create new neural connections when learning a language.
- 4. People tend to react more emotionally in their first language and more rationally in their second language, as the second language is often learnt in formal settings.

**Part 3.** Students decide if each statement is true or false based on the video. If false, encourage students to correct it.

#### Answer key:

- 1. **T**
- 2. F In bilingual brains, all languages remain active at the same time.
- 3. **T**
- 4. **F** Bilingual people tend to recover better from strokes due to stronger brain connections.
- 5. **F** People react more emotionally in their first language, not their second.
- 6. **T**

**Part 4.** Students complete the missing parts of the quotes from the video. If they can't recall the specific word, ask them to think of a word that would make sense in the sentence.

#### Answer key:

- 1. Gym
- 2. Concentration
- 3. Rational
- 4. Neural networks
- 5. Social

## Video follow-up

Part 1. Students share their thoughts on the video using the questions.

Part 2. Students answer the questions based on their own experiences with language learning.

## Review activity & final thoughts

**Part 1.** Students use each of the words to talk about the benefits of being bilingual and what they have learnt during the lesson.

Part 2. Students discuss questions. Answers will vary.