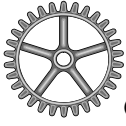


Teacher's Note

Answers:



Gear wheel

Suggested answers:

E.g. Gearbox in a car, pushbikes, CD-ROM, toy cars and trucks, most power tools, wind-up watches, music box and printers.

Axles are used in cars and trucks.

Pulleys are used in cranes and block & tackle.

<i>Advantages round wheel</i>	<i>Disadvantages square wheel</i>
Check student's answers	Check student's answers

- The design and building of the wheel can be done individually or in small groups. The speech can also be delivered in small groups but if possible, have each student deliver a short speech to you personally. It only needs to be for a couple of minutes.

Suggested Activities:

- ❖ Have a discussion on different things students know which use wheels, gears, axles and pulleys.
- ❖ Obtain a library book displaying pictures of different types of wheels, gears, axles and pulleys.
- ❖ Bring a pushbike into the class or take students outside to show them the gears on a bike.
- ❖ Visit: <http://www.ed.uce.ac.uk/crypt/>
- ❖ Visit: <http://www.yahooligans.com/>
- ❖ Visit: <http://www.howstuffworks.com/>

Learning Area: T&E. **Strands:** TP, M, I, S. **Substrands:** TP1,2,3,4. M1,2. I1,2. S1,2.

Overarching: 1,2,3,4,5,6,7,10,11,12,13. **Linking Subjects:** Eng. & Arts