

WINNERS & LOSERS

Description of activity

Divide the class into pairs and give each pair a copy of the Winners and Losers worksheet (overleaf).

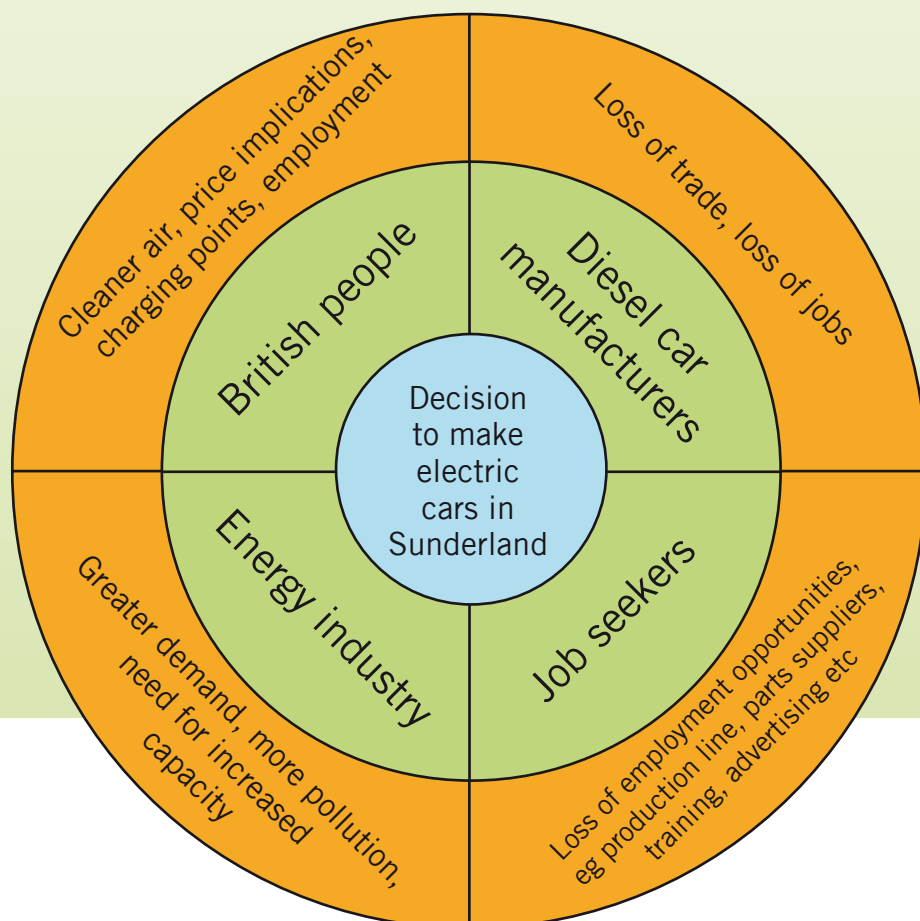
Ask students to write the product or issue they are going to explore, e.g. should each student in the school be given a laptop instead of using exercise books? in the centre circle of the Winners and Losers diagram.

Now ask them to write in the people who will be most affected by the issue, e.g. paper manufacturers, students, waste disposal company, school bursar, laptop parts manufacturers in the middle segments.

Finally, ask your students to write in the outer segments how that group will be affected by the issue, both positively and negatively. It is helpful to write positive and negative results in different colours to help students work out whether the net result will be good or bad for a more sustainable future.

As a plenary, pairs then report back on their discussion to the rest of the group with their overall conclusion as to whether the issue has a more positive or negative impact on people.

★ **NB: You could also use the Winners and Losers activity to assess positive and negative impacts on the environment.**



Learning objectives:

1. The manufacture, use and disposal of a product has different impacts on different groups of people.
2. Those impacts can be social, economic, political and environmental.

Learning outcomes:

1. Students will be able to understand and explain that there are different results for different groups from engineering activities.
2. Students can describe and explain how those results can be both positive and negative for different groups.

PLTS:

1. Reflective learners – students are encouraged to think about how engineering affects the lives of other people.
2. Effective participators – students can discuss their conclusions and compare them with those of others in the group.



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Student worksheet

- 1 Write down the name of the product or issue you are going to discuss in the centre circle.
- 2 In the middle segments write in the groups or individuals you think will be most affected by the product or issue.
- 3 In the outer ring write in how the groups will be affected.
- 4 You may want to use different coloured pens to write in the positive and negative impacts.

