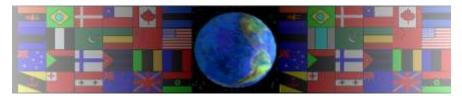
RACK AND PINION

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On behalf of The World Association of Technology Teachers

W.A.T.T.



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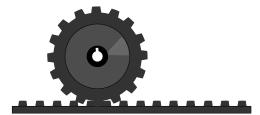
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- 1. A rack and pinion system is drawn opposite. Label the RACK and PINION.
- 2. Write a simple description of a rack and pinion gear system.

IMAGES/PICTURES

3. If the pinion revolves in an anticlockwise direction, in which direction does the rack move.
4. Why is a rack and pinion system applied to trains in mountainous areas.
5. Complete the diagram below by adding a rack and pinion gear system to the train/track. Label your diagram.

6. Using the internet as a research tool, find examples of the way rack and pinion gear systems are used in practical situations. Describe your findings. You may wish to include images/pictures.

NOTES:		