

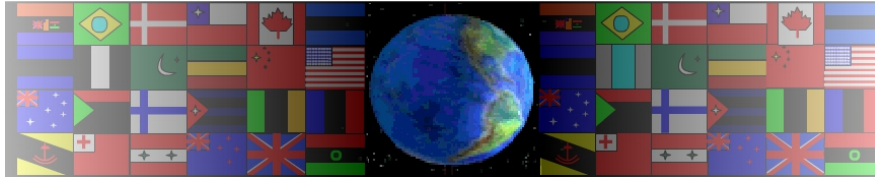
# SYSTEMS AND CONTROL QUESTIONS

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On behalf of The World Association of Technology Teachers

## W.A.T.T.



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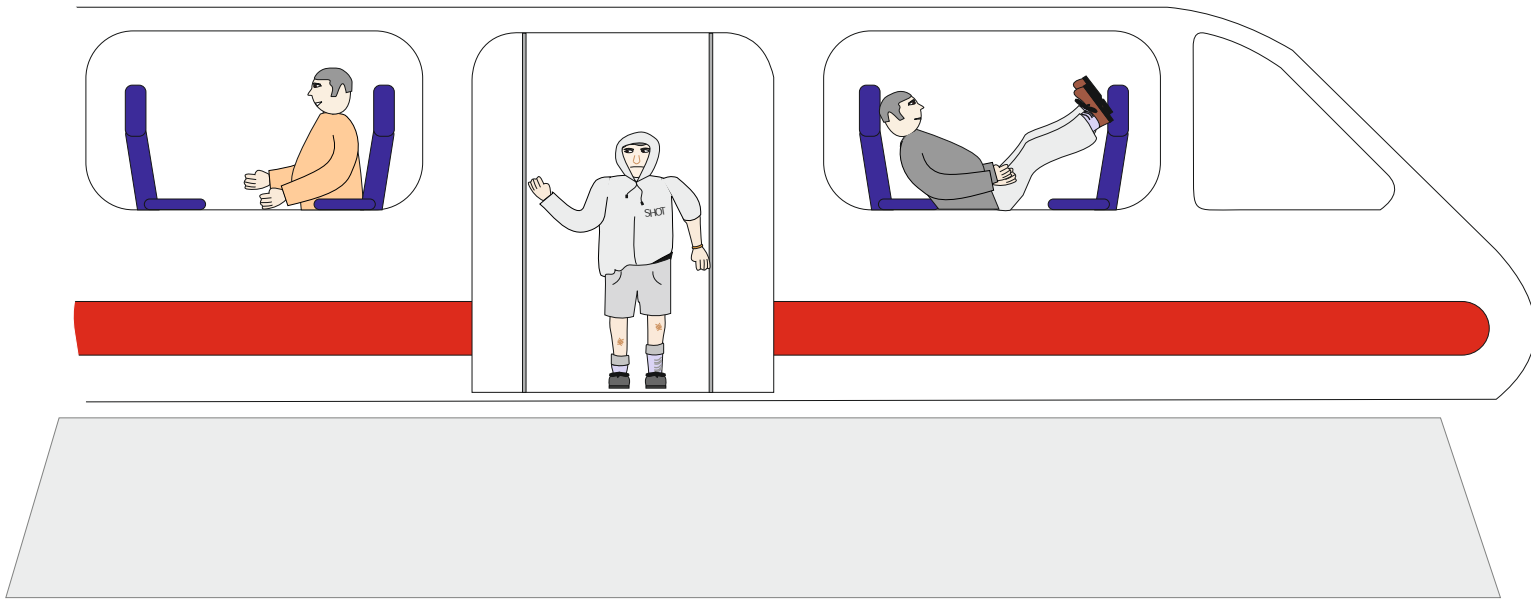
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The drawing below shows the sliding doors of a train carriage. However, these trains are rather old and the electric circuits are constantly breaking down. This leaves the doors stuck open or shut. The designers are considering a mechanical backup system that would allow the train guard / porter to open and close the door in the event of an emergency.

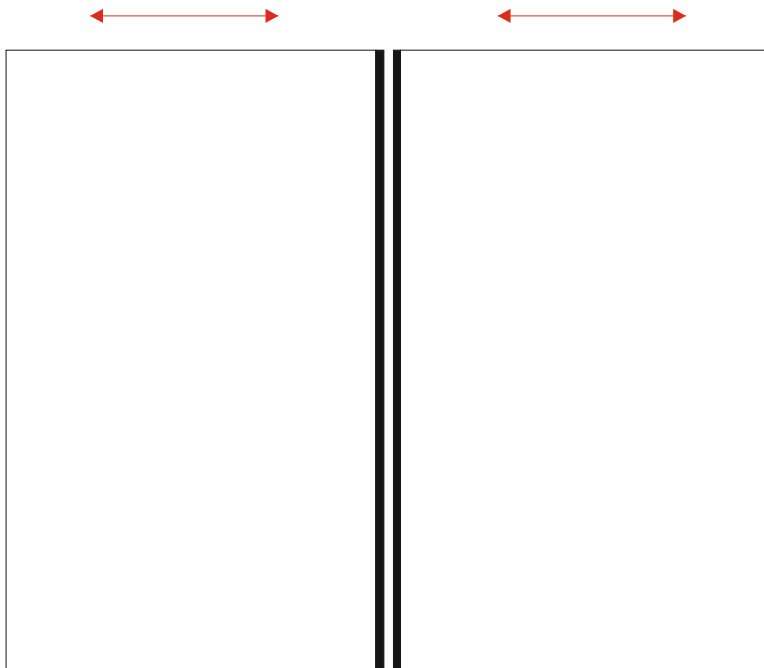
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The two doors are shown below. Add to the drawing a suitable mechanical system that would allow the doors to be opened and closed in the event of an electronic failure. Add explanatory notes and labels.



## NOTES

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