Standards Covered: (a), (b), (c)**,** (d)**,** (e), (f)

Sequence:

1. Discussion: What are some environments where we may see robots in the future? What kinds of tasks do you think they will have? *(10 min)*
2. In groups discuss the following article: *(25 min)* [https://timeandnavigation.si.edu/navigating-air/challenges/overcoming- challenges/dead-reckoning](https://timeandnavigation.si.edu/navigating-air/challenges/overcoming-challenges/dead-reckoning)
3. Elect a member of the group to share one interesting thing you read or a criticism/question you have about the article *(10 min):*
4. Rotate members of each group. Read the article and discuss *(25 min):*  <http://www.popsci.com/uber-parking-lot-patrolled-by-security-robot#page-2>
5. Elect a member of the group to share one interesting thing you read or a criticism/question you have about the article *(10 min)*:
6. Watch: Valet Parking Robot <https://www.youtube.com/watch?v=q3E7OG1JSKU>
7. Group Discussion *(20 min):*
8. Can you make a connection between how dead reckoning programs could be used for these robots?
9. What interesting ideas for robots can you think of from watching the video and from the articles you read?

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