| Programming Energy | Grade 1<br>Energy in Our Lives |
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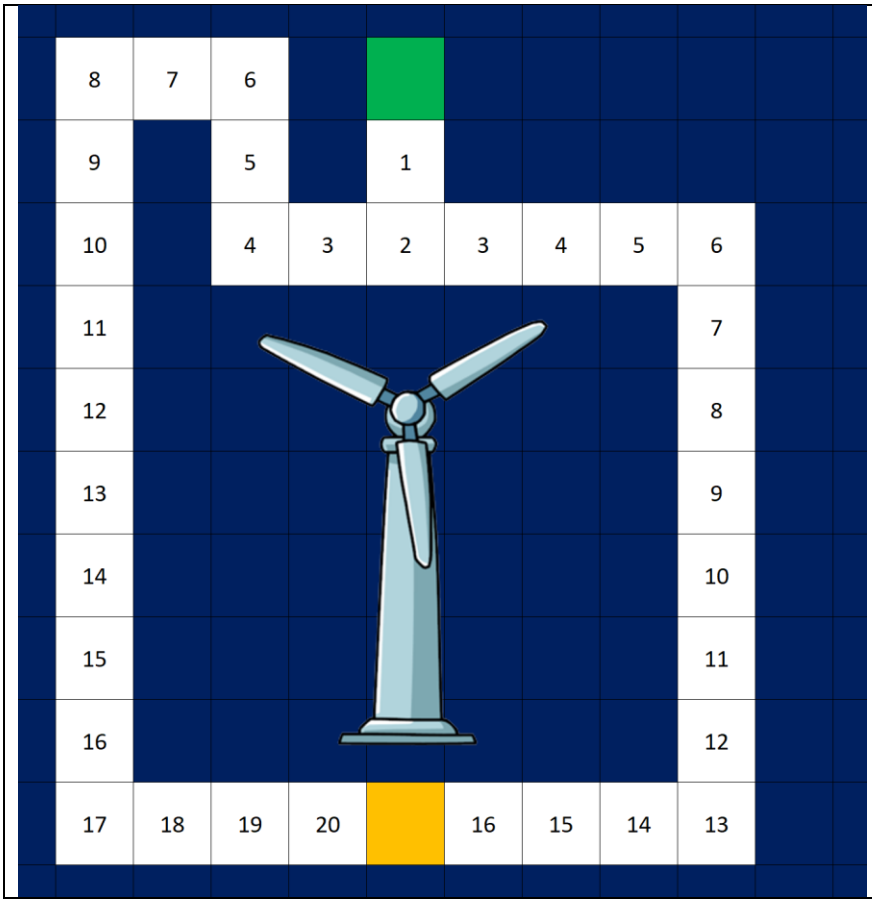
# Handout Solutions

**Wind Energy**

Wind energy is electricity generated from wind. The energy from moving air is converted into electricity by wind turbines.

**Challenge**

Choose the most efficient route to get from the start to the end of the map.
The most efficient route is the one with the fewest number of steps. Our energy supply is limited, we don't want to use more than we need.




1. What route did you take?

Route: B

2. How many steps did you take?

Steps: 16

3. How many steps was the longest route?

Steps: 20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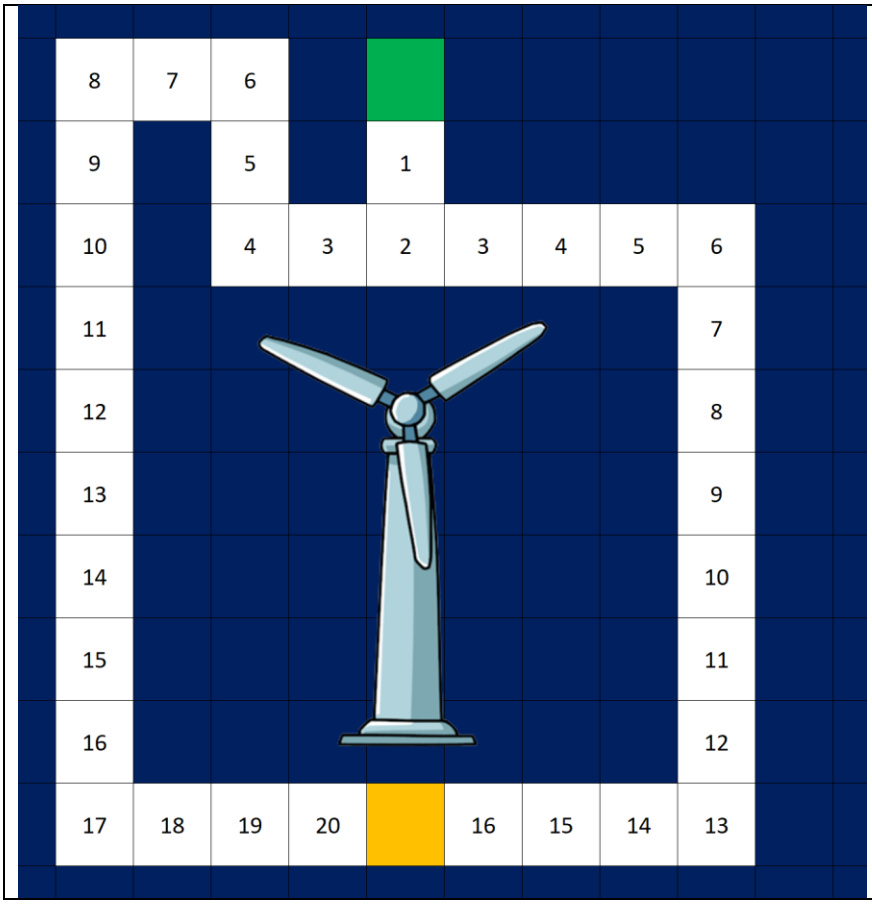
**Extension**

Break the route you took into smaller steps.
For example, to start route A, the first two steps are:

2 steps ↓

2 steps ←




Route breakdown:

2 steps down

4 steps right

7 steps down

3 steps left