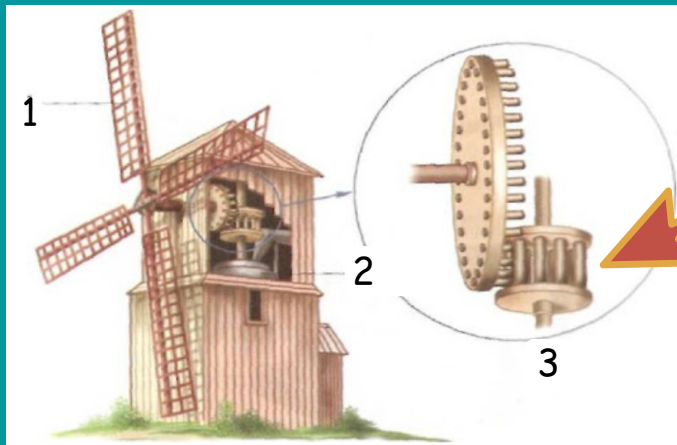


It is important for the modern engineer to know how the mechanisms that were invented in the past work.

Create a 3D model of the mill in the LEGO Digital Designer environment or studio 2.0



1 - wings  
2- millstones  
3- transmission mechanism

movable millstone

motionless millstone



The model must have:

- movable parts of the wings and millstones.
- Powered by a motor
- The model can be assembled from any parts available in the application library
- Any motors, blocks, sensors can be used as electronic components of the model.

### EVALUATION CRITERIA

- A three-dimensional model of the mill has been created
- Mill wings are movable
- The millstones of the mill are movable
- Millstones work directly from the motor
- The millstones are driven through a gear
- The fenders are powered directly by the motor
- The wings are driven through a gear
- Wings and millstones are located in perpendicular planes
- Millstones and wings are driven by a single motor
- The wings rotate slower than the millstones

### POINTS

10  
5  
5  
10  
20  
10  
20  
10  
15  
15

