

NPA Knowledge Organiser: Year 1 DT - Summer Term



Children will use words and phrases relating to:

- designing e.g. **explore, investigate, choose, decide, brainstorm, fast, faster, fastest, slow, slower, slowest, quick, quicker, quickest**
- making e.g. **collecting, punching, connecting, fixing, straight, doweling, masking tape, hole punch, cotton reel**
- knowledge and understanding e.g. **axle, winding mechanism, stable, structure, handle, turning, free, fixed**

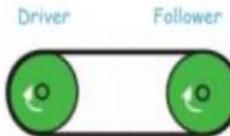


Pulleys

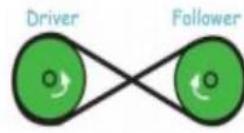


Pulleys

◊ Pulleys do not touch but the wheels are joined by a drive belt. They can be used to change the speed, direction or force of a movement



The pulleys rotate in the same direction.



The pulleys rotate in different directions.

Hoisting a flag up a flag pole uses a pulley.



<https://www.youtube.com/watch?v=r3Ru1zZjvug>

- Pulleys explained

