

List of possible essay topics. Note, that the topic does not need to be directly from this list.

- The Bernoulli equation and its use
- The Reynolds number in fluid mechanics
- Pressure in a static fluid
- The effect of viscosity in fluid flow
- Pressure losses in pipe flows
- Dimensional analysis using the method of repeating variables
- Measuring pressure with a manometer
- Turbulent flow
- Visualizing fluid flow
- The Lagrangian and Eulerian methods in describing the fluid flow
- Pitot- pipe
- The Magnuss effect and the rotorsail
- The control volume thinking and the Reynolds transport theorem
- Pipe flows
- The boundary layer flow
- Fans and the conservation of angular momentum
- The conservation of momentum
- Losses in fluid flows