Program: Strojni tehnik

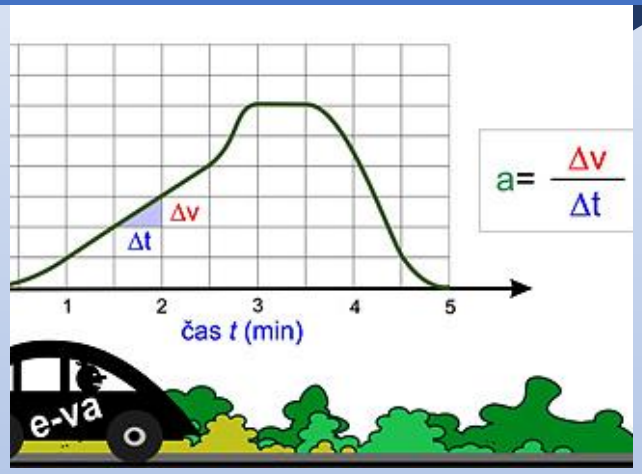
Predmet : FIZIKA

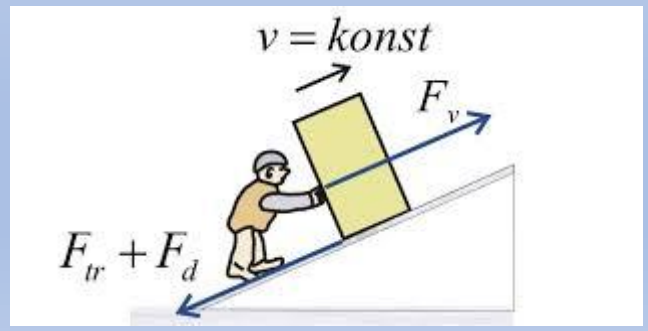
MERJENJE FIZIKALNIH KOLIČIN

- Fizikalne količine in enote.
- Merjenje fizikalnih količin.
- Merske napake.
- Znanstveni zapis podatkov.
- Grafični prikaz fizikalnih količin.

MEHANIKA

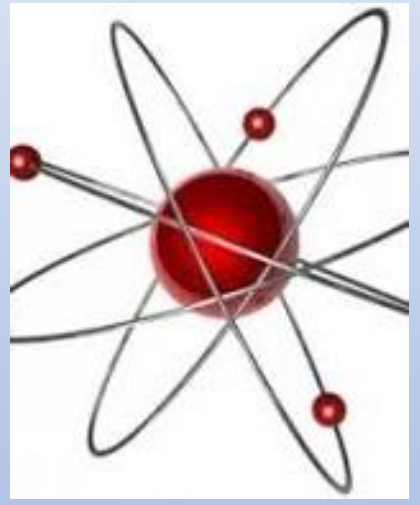
- Premo gibanje.
- Enakomerna in pospešena gibanja.
- Sila.

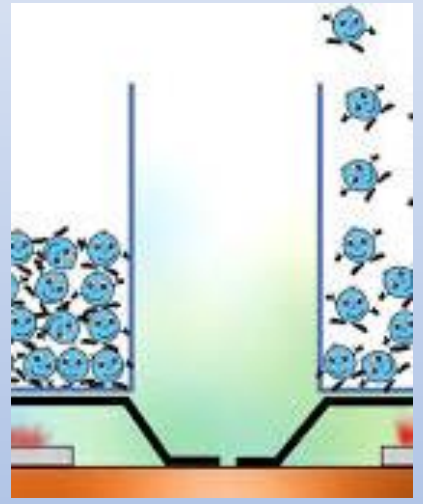


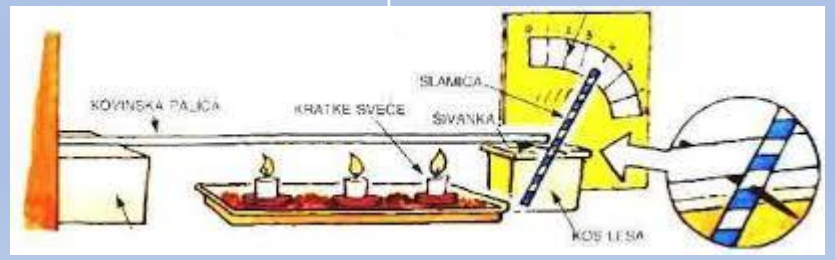


Zgradba in mehanične lastnosti snovi

- Atomi in molekule.
- Mikroskopska slika snovi.
- Deformacije trdin.

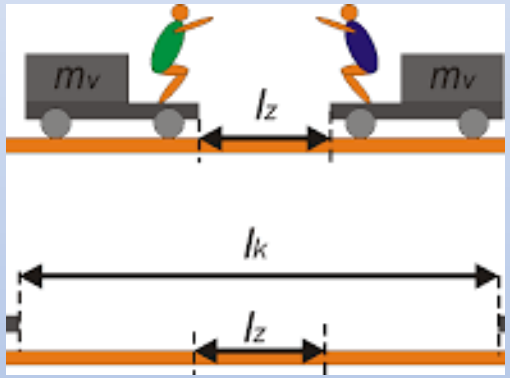






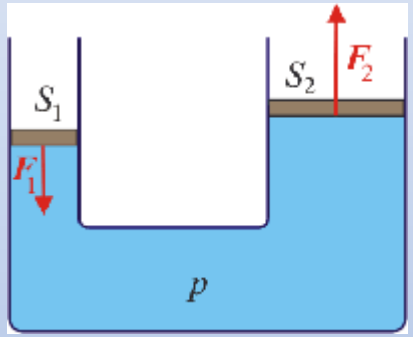
Gibalna količina, delo in energija

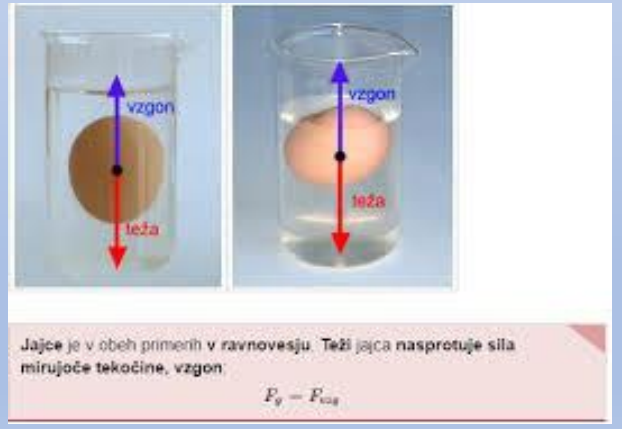
- Trki teles.
- Ohranitev gibalne količine.
- Delo sile.
- Mehanska moč.
- Kinetična, potencialna in prožnostna energija.

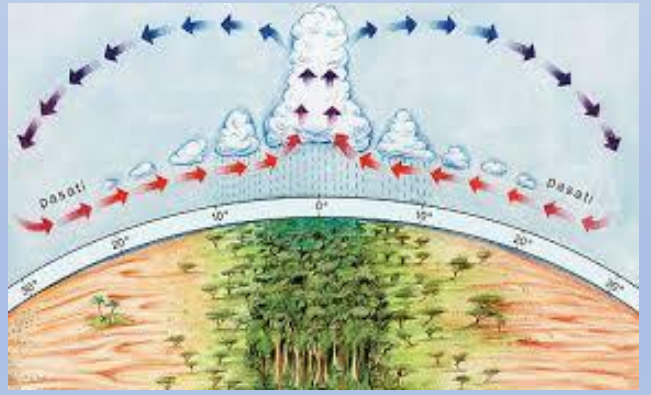


Tekočine

- Tlak v tekočinah.
- Zračni tlak.
- Vzgon.
- Plavanje teles.

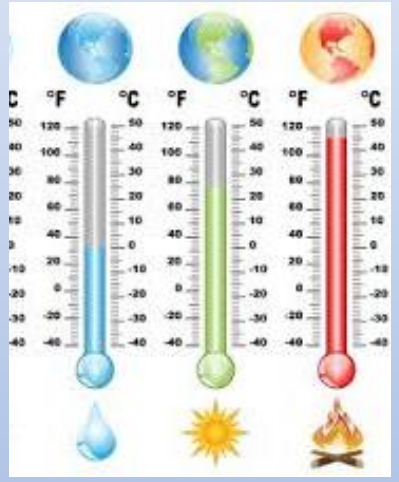


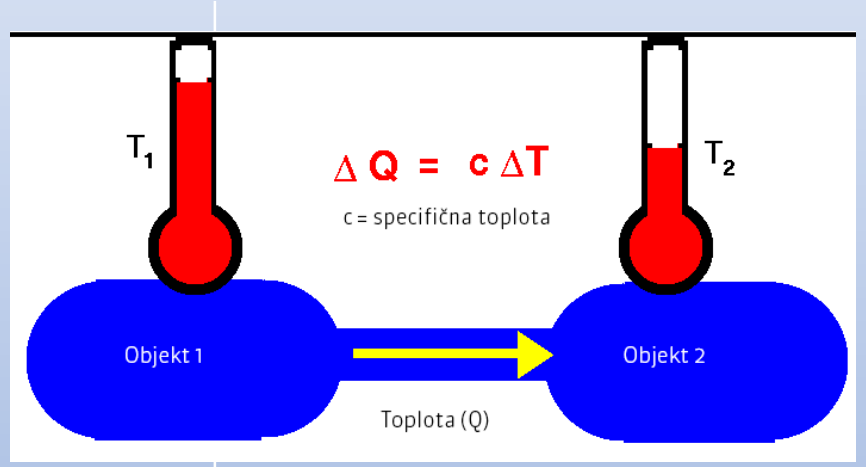


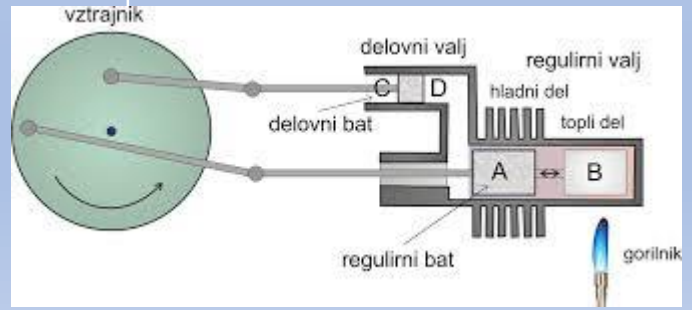


Toplota in temperatura

- Temperaturna skala.
- Plinska enačba.
- Plinski zakoni.
- Fazne spremembe snovi.
- Prenosi toplote.
- Toplotni stroji.

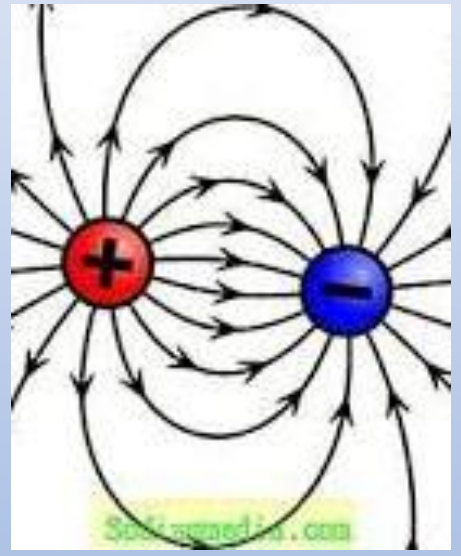


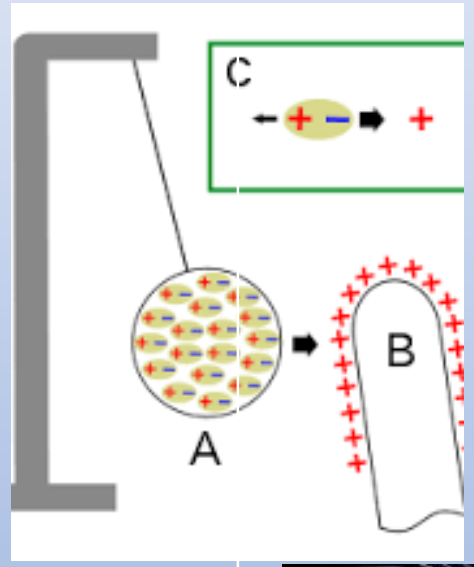


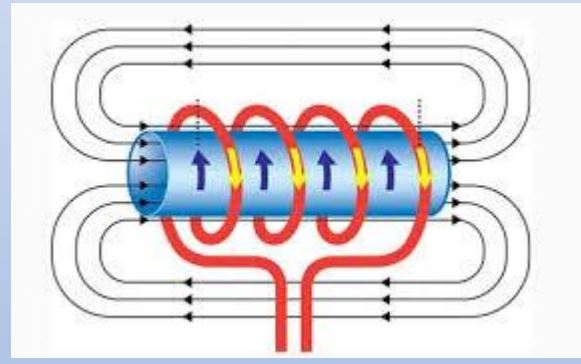


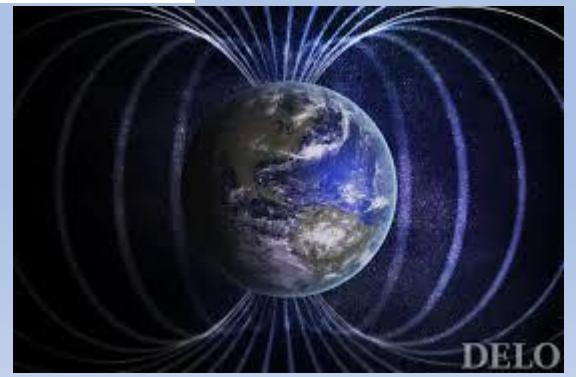
Elektrika.

- Električno polje.
- Električni naboj.
- Kondenzator.
- Električni tok.
- Električni upor.



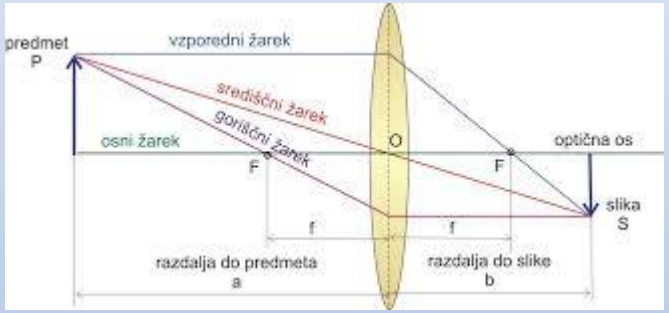


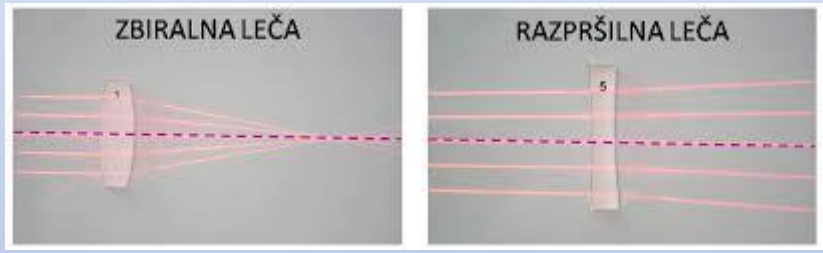


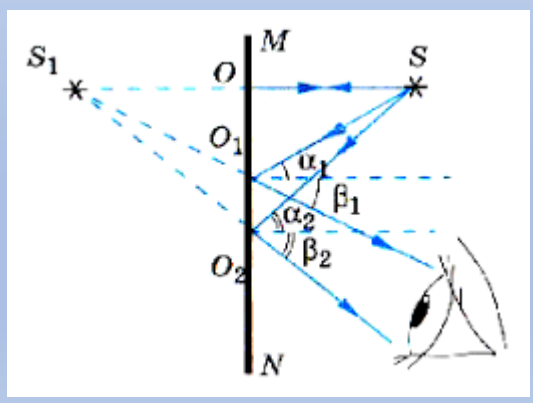


Optika.

- Odboj in lom svetlobe.
- Zrcala in leče.
- Preslikave z lečami.







Eksperimentalne vaje

- **10 ur pouka je namenjenih izvedbi eksperimentalnih vaj v izvedbi dijakov.**