

Power electronics

A. Main topics

- Semiconductors
- Electronics
- Silicon carbide
- Inverter in electric car

B. targeted audience

- 16-19 years old students
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C. Key concepts

- Electrical properties of materials
- Semiconductors
- Working principle pf electric motors

D. Experimental activity

- App: semiconductors or insulators?
- App: where do the elements come from?
- App: hangman game of electronics
- App: electronic materials puzzle

E. Toolkit material

- 4 apps
- Video: "SiC... come guidi"
- Poster: electronics for electric cars

F. RM Tutors

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