



*Albert Einstein's unique legacy*

- ◆ Introduction
- ◆ The scope of Einstein's influence
- ◆ Biography
- ◆ Physics
- ◆ Black holes and the nature of the universe
- ◆ War and peace
- ◆ Space, technology, and society
- ◆ Conclusion

*Introduction*

- ◆ Einstein profound effect
  - ◆ Technology
    - ◆ nuclear energy
    - ◆ space flight
  - ◆ Philosophy
    - ◆ nature of universe
    - ◆ science for peace
  - ◆ Society
    - ◆ weapons

*The scope of Einstein's influence*

- ◆ First half of the 20th century as the age of Einstein
- ◆ renaissance man
- ◆ Contradictory
- ◆ A supporter of Zionism
- ◆ His scientific and philosophical concerns are still important today

*Biography*

- ◆ Einstein was born in Germany 1879
- ◆ Did not like school
- ◆ finished high school in Italy and Switzer
- ◆ Graduated from the Federal Polytechnic University in 1900
- ◆ Worked as a technical expert
- ◆ His greatest achievement was between 1905 and 1915
- ◆ Immigrated to the US to escape Hitler

*Physics*

- ◆ Special theory of relativity in 1905
- ◆ General theory of relativity
- ◆ quantum theory



### *Black holes and the nature of the universe*

- ◆ Einstein's laws of relativity
- ◆ Big Bang theory
  - ◆ curved, finite space



### *War and peace*

- ◆ Support building an atomic bomb
  - ◆ convinced by Enrico Fermi
  - ◆ fear of Hitler
- ◆ Responsibility of scientists



### *Space, technology, and society*

- ◆ Puzzle left as a part of his legacy
- ◆ Universe is comprehensible



### *Conclusion*

- ◆ Einstein as symbol for science and technology
  - ◆ space and nuclear power
  - ◆ continuance influence