

1

History of the Shuttle Program - In 1969-72 time frame, President Nixon approved Space Shuttle \& terminated

- By being partially re-useable, Shuttle was supposed to reduce costs of payloads to orbit.
5 operational Shuttles were built
(Columbia, Challenger, Discovery, Atlantis \& Endeavour).
Challenger \& Columbia were lost in separate
accidents.

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2

Overview of Space Shuttle Program

- Partially re-useable Earth orbital spacecraft Partially re-useable Earth orbital spacecta
officially known as Space Transportation System.
- Operated from 1981-2011
- Highlights include:
- Launching \& servicing Hubble Space Telescope, - Launching \& servicinn
numerous satellites.
- Conducted 2 -week duration experiments in space (including 15 Cu Bioserve Life Science ${ }^{\text {sexperiments). }}$
- Built \& serviced International Space Station

3



Space Shuttle Accidents



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Class Exercise
Did President G.W. Bush make the right decision to cancel the Space Shuttle? Why or why not?




