

## Dynamic Design: Launch and Propulsion

## Launching Genesis: How Do You Spell Success?

### STUDENT ACTIVITY

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#### BACKGROUND INFORMATION

The Delta series of rockets have been a very successful launch vehicle since its first launch failed in 1960. In this activity you will determine the success rate of the Delta rocket.

#### PROCEDURE

- The chart below contains a record of launches the Delta rocket has made for every decade from 1960 to present. Use this chart to answer the questions that follow.

Year	Success	Failure	Success Rate
1960-1969	69	5	
1970-1979	70	5	
1980-1989	38	1	
1990-1999	81	3	
2000-2001*	9	0	

\* So far

- Calculate the success rate of the Delta rocket for each decade by filling in the last column in the table above.
- Which decade (ten-year period) had the greatest success rate for the Delta?
- Which decade had the lowest success rate for the Delta?
- Which decade had the most launches of the Delta?
- Calculate the success rate of the Delta rocket since 1960.



