

Science Olympiad
Science Olympiad National Tournament 2025

May 23-24, 2025

Reach for the Stars B Answer Sheet



Team Name and Number: _____

Participant Name(s): _____

*** EVENT SUPERVISOR USE ONLY ***

Total Score: ____ / 160 pts.

Rank: ____

Team Name:

Reach for the Stars

Team Number:

Question 1 (30 points)

- a. [1 pt] _____
- b. [1 pt] _____
- c. [1 pt] _____
- d. [1 pt] _____
- e. [2 pts] _____
- f. [1 pt] _____
- g. [1 pt] _____
- h. [1 pt] _____
- i. [1 pt] _____
- j. [2 pts] _____
- k. [1 pt] _____
- l. [1 pt] _____
- m. [1 pt] _____
- n. [1 pt] _____
- o. [2 pts] _____
- p. [1 pt] _____
- q. [1 pt] _____
- r. [1 pt] _____
- s. [1 pt] _____
- t. [2 pts] _____
- u. [1 pt] _____
- v. [1 pt] _____
- w. [1 pt] _____
- x. [1 pt] _____
- y. [2 pts] _____

Team Name:

Reach for the Stars

Team Number:

Question 2 (15 points)

- a. [1 pt] _____
- b. [2 pts] _____
- c. [1 pt] _____
- d. [1 pt] _____
- e. [1 pt] _____
- f. [1 pt] _____
- g. [1 pt] _____
- h. [1 pt] _____
- i. [1 pt] _____
- j. [5 pts] _____

Team Name:

Reach for the Stars

Team Number:

Question 3 (22 points)

a. [3 pts] _____

b. [3 pts] _____

c. [1 pt] _____

d. [2 pts] _____

e. [3 pts] _____

f. [1 pt] _____

g. [3 pts] _____

h. [6 pts] Answers for sub-parts:

(i) [2 pts] _____

(ii) [2 pts] _____

(iii) [2 pts] _____

Team Name:

Reach for the Stars

Team Number:

Question 4 (20 points)

a. [1 pt] _____

b. [2 pts] _____

c. [2 pts] _____

d. [9 pts]

e. [4 pts]

f. [2 pts] _____

Team Name:

Reach for the Stars

Team Number:

Question 5 (18 points)

a. [1 pt] _____

b. [2 pts] _____

c. [3 pts] _____

d. [4 pts] Answers for sub-parts:

(i) [1 pt] _____

(ii) [2 pts] _____

(iii) [1 pt] _____

e. [4 pts] _____

f. [4 pts] _____

Team Name:

Reach for the Stars

Team Number:

Question 6 (20 points)

a. [1 pt] _____

b. [2 pts] _____

c. [1 pt] _____

d. [1 pt] _____

e. [2 pts] _____

f. [3 pts]

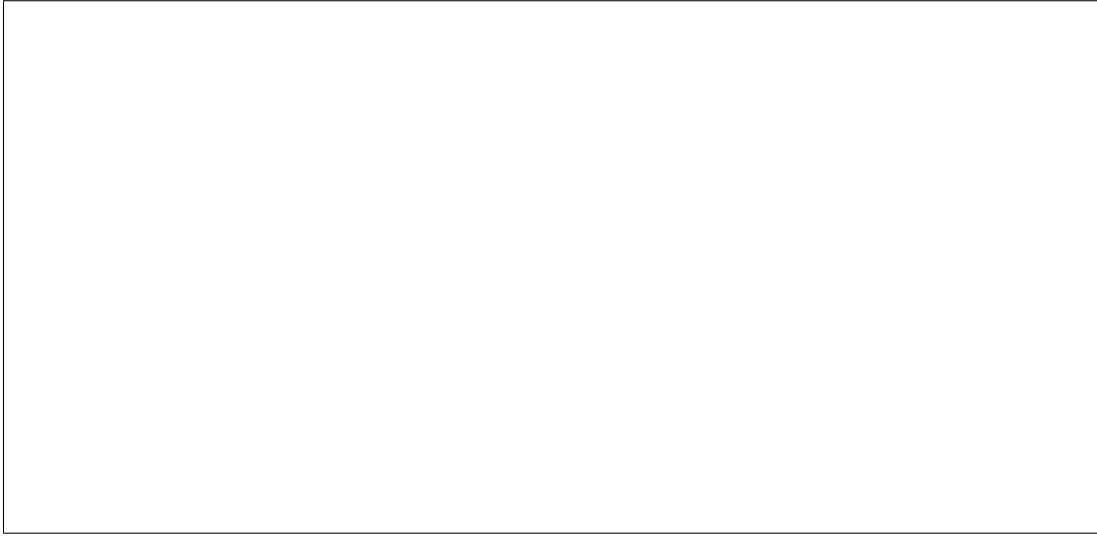
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Team Name:

Reach for the Stars

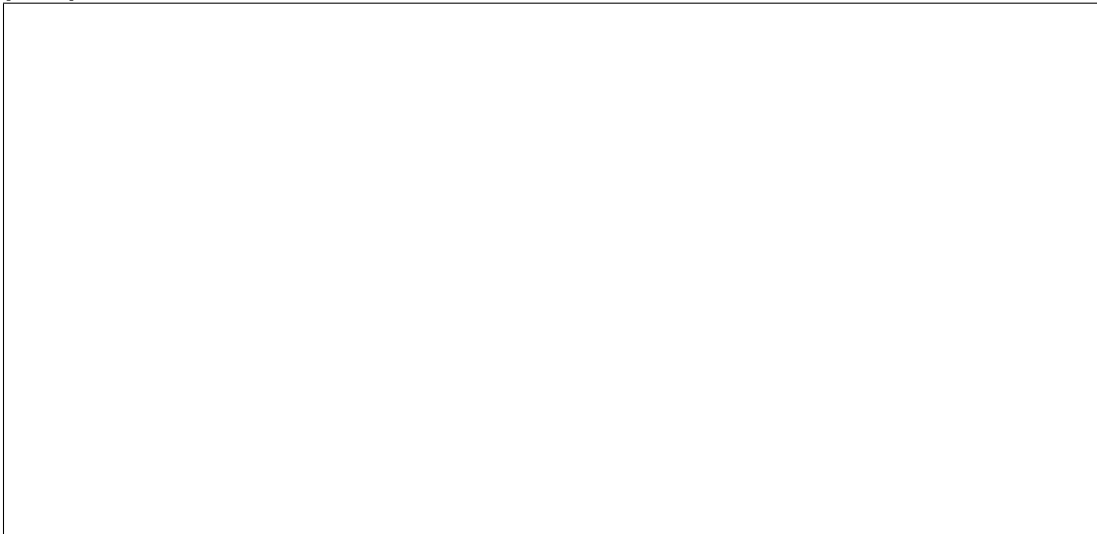
Team Number:

g. [4 pts]



h. [2 pts]

i. [4 pts]



Team Name:

Reach for the Stars

Team Number:

Question 7 (35 points)

a. [5 pts] _____

b. [6 pts] Three Science Requirements:

(i) [2 pts] _____

(ii) [2 pts] _____

(iii) [2 pts] _____

c. [6 pts] Three Engineering Requirements:

(i) [2 pts] _____

(ii) [2 pts] _____

(iii) [2 pts] _____

Team Name:

Reach for the Stars

Team Number:

d. [12 pts] Mission Design:



e. [6 pts] Anything Else!

