

Middle School Initiative

**PART I
COVER SHEET**

CAP 2 SEMESTER 2 WEEK 9

COURSE: Lindbergh Aerospace Education, Achievement 5

LESSON TITLE: Rocket Systems and Controls

LENGTH OF LESSON: 50 Minutes

METHOD: Lecture - Performance

REFERENCE(S):

1. *Aerospace Dimensions*, Module 4, Chapter 3, 2000
2. Study Guide, 2000
3. Leader Guide, 2000
4. Resource Guide, 2000

AUDIO/VISUAL AIDS/HANDOUTS/ACTIVITY MATERIAL(S): As Needed

COGNITIVE OBJECTIVE: To learn what controls and systems are in a rocket.

COGNITIVE SAMPLES OF BEHAVIOR: Upon completion of this chapter, the cadet should be able to:

1. Identify the four major systems of a rocket.
2. Describe the purpose of each of the four major systems of a rocket.
3. Define payload.

AFFECTIVE OBJECTIVE: N/A

AFFECTIVE SAMPLES OF BEHAVIOR: N/A

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PART II TEACHING PLAN

Introduction

ATTENTION: Today, you will continue your Aerospace Education studies in *Aerospace Dimensions*, Module 4 with Chapter 3 - Rocket Systems and Controls.

MOTIVATION: What controls a rocket? Each rocket has systems, what are they used for? Today, we will learn the answers to these questions and more.

OVERVIEW: During this period, you will continue your aerospace studies with Rocket Systems and Controls.

Body

NOTE: The instructor should use the lesson plan in the Leader Guide, Pages 25-27. The cadets should use the Study Guide, Page 22-23. A materials list is located in the Resource Guide, Page 50-52.

Conclusion

SUMMARY: We have studied the material in *Aerospace Dimensions*, Module 4, Chapter 3.

REMOTIVATION: Now you understand how a rocket is controlled.

CLOSURE: In two weeks, we use the questions in the Study Guide to quiz each other. **Any questions? See you next week!**

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**PART III
LESSON REVIEW**

LESSON OBJECTIVE(S): Today, we learned how to:

1. Identify the four major systems of a rocket.
2. Describe the purpose of each of the four major systems of a rocket.
3. Define payload.

LESSON QUESTIONS: Contained in *Aerospace Dimensions*, Module 4, Chapter 3.