



EPISODE FIVE

LAUNCH

LESSON PLAN

Learning Objectives

Understand what's involved in launching a rocket at SaxaVord Spaceport

Students will learn about the steps taken to prepare for a rocket launch, including the roles of different people involved.

Identify key safety and planning factors in rocket launches

Students will explore the importance of weather, teamwork, and preparation in ensuring a successful launch.

Resources

- [Fredo's Space Adventures – Episode 5: Launch](#)
- Mission Patch Booklet (one per students)
- Printable Mission Patches (one per students)
- Materials for rocket launch experiment
 - Empty Water Bottle
 - 3 pencils
 - A cork
 - Sellotape
 - Vinegar
 - Baking Soda

Introduction

- Begin with a class discussion about space and the space industry. Ask students:
 - What do they think is needed to launch a rocket?
 - Who might be involved in a space launch?
 - What could go wrong if something isn't planned properly?

Input and Activity

- **Step 1: Watch the Video**
 - Play *Fredo's Space Adventures* – Episode 1: *Why SaxaVord*?
 - Pause the video at **4:05** and explain the upcoming activity.
- **Step 2: Activity**

- Decide whether this will be done as a whole class with a teacher demonstration, or in groups.
 - **Step 3: Resume the Video**
 - Once students are all ready either to watch you or do the activity themselves, resume the video and follow Fredo.
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Plenary

- Support students in sharing their findings and reinforcing key takeaways.
- Once you have completed session distribute appropriate mission patch and get students to stick these into their Mission Patch Booklets.