Lesson Plan

**** Basic **** Intermediate ****  Advanced

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business/Materials** | **Lesson Objectives** | | | | |
| * Google Classroom (for sharing reading materials, handouts, and collecting written assignments) * Kahoot (for interactive quiz on Voyager facts and vocabulary) * Computer/projector with internet access * Reading text about the Voyager program (short article, ~300 words, uploaded to Google Classroom) * Handout with key vocabulary and comprehension questions (uploaded to Google Classroom) * Whiteboard/markers | Lesson Objectives By the end of the lesson, students will be able to:   1. Identify and explain 8-10 key vocabulary terms related to the Voyager satellite program (reading). 2. Demonstrate comprehension of a scientific text about Voyager by answering questions (reading). 3. Write a short report (100-150 words) summarizing the purpose and achievements of Voyager (writing). | | | | |
| **Warm-up and Objective Discussion (10 minutes)** | | | | | |
| * Activity: Teacher posts a prompt on Google Classroom: “What do you know about space exploration? Name one space mission or satellite.” Students respond with a short comment (1-2 sentences). * Discussion: Teacher projects a few responses and briefly discusses famous space missions, introducing Voyager. State the objective: “Today, we’ll read about the Voyager satellite and practice writing a report about its mission.” * Tech: Google Classroom for posting and sharing responses. | | | | | |
| **Instruct and Model (10 minutes)** | | **** R | **** W | **** L | **** S |
| * Activity: Teacher distributes a short article about Voyager via Google Classroom (covering its launch, purpose, and key discoveries). Teacher reads the first paragraph aloud, modeling how to highlight key terms (e.g., “interstellar,” “golden record”). Teacher demonstrates how to structure a short report by writing a sample introductory sentence on the whiteboard (e.g., “The Voyager program, launched in 1977, aimed to explore the outer planets.”). * Tech: Google Classroom for article distribution. | | | | | |
| **Guided Practice (15 minutes)** | | **** R | **** W | **** L | **** S |
| * Activity: In pairs, students read the rest of the article and answer 5 comprehension questions from the handout (e.g., “What is the purpose of the Voyager golden record?”). Teacher circulates to assist. Then, pairs draft a 2-3 sentence outline for a report on Voyager, using a template provided on Google Classroom. * Tech: Google Classroom for handout and template. | | | | | |
| **Independent Practice (15 minutes)** | | **** R | **** W | **** L | **** S |
| * Activity: Students individually write a short report (100-150 words) summarizing the Voyager mission, using their outline and at least 5 key vocabulary terms. They submit their reports via Google Classroom. * Tech: Google Classroom for submitting reports. | | | | | |
| **Assessment (10 minutes)** | | **** R | **** W | **** L | **** S |
| * Activity: Students complete a Kahoot quiz (10 questions) on Voyager facts and vocabulary (e.g., multiple-choice: “What planets did Voyager 2 visit?” or true/false: “The golden record contains music and images.”). Teacher reviews Kahoot results to assess comprehension. * Tech: Kahoot for interactive quiz. | | | | | |