Lesson Plan

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

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| **Business/Materials** | **Lesson Objectives** | | | | |
| * Google Classroom (for sharing reading materials, handouts, templates, and collecting infographic submissions) * Kahoot (for interactive quiz on Voyager facts and vocabulary) * Nearpod (for interactive warm-up activity with live responses) * Canva (for creating visual infographics summarizing Voyager’s mission) * 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 | 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. Design a visual infographic using Canva to summarize the purpose and achievements of Voyager, incorporating at least 5 key vocabulary terms (writing/visual communication). | | | | |
| **Warm-up and Objective Discussion (10 minutes)** | | | | | |
| * Activity: Teacher launches a Nearpod session (shared via Google Classroom) with an open-ended question: “What’s one space mission or satellite you’ve heard of? Why is it cool?” Students respond via their devices, and responses are displayed live. Teacher highlights a few answers, briefly introduces Voyager, and states the objective: “Today, we’ll explore the Voyager program, learn its key facts, and create stunning infographics using Canva.” * Tech: Nearpod for interactive question, Google Classroom for sharing session link. | | | | | |
| **Instruct and Model (10 minutes)** | | **** R | **** W | **** L | **** S |
| Activity: Teacher shares a short article about Voyager (launch, purpose, key discoveries) via Google Classroom. Teacher reads the first paragraph aloud, modeling how to identify key terms (e.g., “interstellar,” “golden record”). On the whiteboard, teacher sketches a simple infographic layout (title, 3 facts, visuals) and shows a sample Canva design, explaining how to use Canva’s templates to summarize Voyager’s mission.   * Tech: Google Classroom for article distribution, Canva for sample infographic. | | | | | |
| **Guided Practice (15 minutes)** | | **** R | **** W | **** L | **** S |
| * Activity: In pairs, students read 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. Pairs then log into Canva (link on Google Classroom) and draft a 3-point outline for their infographic, selecting key facts and vocabulary. A Canva template is provided via Google Classroom. * Tech: Google Classroom for handout and template, Canva for outline drafting. | | | | | |
| **Independent Practice (15 minutes)** | | **** R | **** W | **** L | **** S |
| * Activity: Individually, students create a Voyager infographic in Canva, using their outline and incorporating at least 5 key vocabulary terms (e.g., “interstellar,” “golden record”). The infographic should summarize Voyager’s mission and achievements in a visually engaging way. Students save and submit their designs via Google Classroom. * Tech: Canva for infographic creation, Google Classroom for submission. | | | | | |
| **Assessment (10 minutes)** | | **** R | **** W | **** L | **** S |
| * Activity: Students participate in a Kahoot quiz (10 questions) on Voyager facts and vocabulary (e.g., multiple-choice: “Which planets did Voyager 2 visit?” or true/false: “The golden record contains music and images.”). Teacher reviews Kahoot results to assess comprehension and discusses common errors. * Tech: Kahoot for interactive quiz, Google Classroom for quiz link. | | | | | |