

ALIEN & PLANET REPORT

Objective

Upon completion of this activity, students will be able to:

- design and create a space alien
- apply gained knowledge of Earth statistics toward the design and creation of a new planet.
- use technology to create a powerpoint presentation.

Instructional Time

2–5 Days, or longer

Materials

“Alien & Planet Report” Student Worksheet

Internet

Science Journals

Books

Magazines

Various Art Supplies

Pencils/Pen

Procedure

1. Distribute the class activity sheets.
2. Discuss with the class the possibility of life on other planets. What would this space alien look like? How would it exist in the environment of its planet?
3. Divide the class into groups of three to four students per group.
4. Explain to the students that they will need to design and create a model of an alien space form. Students will also have to design the planet in which this alien is able to survive.
5. Each group will make a presentation of the alien and planet powerpoint presentation to the class.
6. Have students complete the evaluation after they have made their presentation.
7. Make available any necessary materials.
8. Provide students with a final date in which all items must be turned in.

Student Name _____ Date _____

ALIEN & PLANET REPORT

DIRECTIONS: Read and follow the information below to design a space alien and its home planet.

ALIEN DEVELOPMENT

The following outlines the criteria for making your alien: Your alien must be able to adapt to its environment, temperature, gases and atmosphere of the planet that it lives on. Your alien may be made on the computer but must be done in detail: internal parts must be explained, maybe add color, be creative. Your alien may also be made as an actual model. Size does not matter but be sure to adapt your alien to all the aspects of its planet mentioned above. No drawings of aliens will be accepted.

The following outlines the criteria for the report: 1) The report must be 3 pages long. Two pages must explain your planet's special environment. The last page should explain your alien in detail and how it survives on that particular planet. 2) Your report should have at least two resources: for example, magazine articles, encyclopedias, newspapers, etc. 3) You must have a bibliography attached to the back of your report.

Use the space below to sketch your alien. (This is for draft purposes only).

Student Name _____ Date _____

ALIEN & PLANET REPORT

PLANET DEVELOPMENT

The following outlines the criteria for the “Fact Sheet” for your planet:

1. Distance from the Sun
2. Diameter
3. Mass
4. Length of the year
5. Surface area
6. Temperature ranges (coldest-hottest)
7. Surface features
8. Interior of the planet
9. Atmosphere
10. Gravity
11. Polar caps
12. Major colors
13. Weather
14. Life forms
15. Future

All of this information needs to be compared to what we have on Earth. One Row should list a single item from the list above. One column should list the conditions on your planet, and the other column should list the conditions on Earth.

The following outlines the criteria for the powerpoint: 1)The powerpoint must be your planet. 2) The powerpoint should explain your planet in more detail than the “Fact Sheet”. 3) The powerpoint should explain the internal parts of your alien and any adaptations to the planet. Add color, sound etc. Be creative!!

Use the space below to sketch your planet. (This is for draft purposes only).

Student Name _____ Date _____

ALIEN & PLANET REPORT

ALIEN & PLANET EVALUATION

DIRECTIONS. ONCE YOU HAVE FINISHED YOUR ALIEN & PLANET REPORTS, COMPLETE THE FOLLOWING EVALUATION.

1 Excellent	2 Good	3 OK	4 Poor	5 Very Poor
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Evaluate your work on this project.

1. I did my part on this project. _____
2. I attended every meeting with my group. _____
3. I participated in making decisions about our project. _____
4. I think my overall grade should be: _____

Evaluate your team members work on this project:

1. I feel everyone did his/her part. _____
2. Everyone contributed with ideas. _____
3. Our group worked well together. _____

Comments: