

*******This project counts for 2 summative grades, 1 for the research paper and 1 for the creative component that you select to do with it.**

Instructions:

1. Select an invertebrate animal from the following list. All animals are found in your textbook in Chapters 23 or 24.

sponge, coral, hydra, sea anemone, jellyfish, portuguese man of war, tapeworm, planarian, fluke, trichinella, hookworm, ascaris, filarial worm, earthworm, marine worm, leech, snail, slug, nudibranch, abalone, clam, oyster, scallop, squid, cuttlefish, octopus, nautilus, crab, shrimp, lobster, barnacle, roly poly, crayfish, scorpion, tarantula, black widow, brown recluse, daddy long legs, tick, mite, horseshoe crab, centipede, millipede, grasshopper, fly, lunar moth, butterfly, ant, termite, ladybug, cricket, dragonfly, wasp, sea star, brittle star, sea cucumber, sea lily, sea urchin, sand dollar

******Note: You must Reserve your chosen animal with the instructor!!!!**

2. Research the life of your chosen animal using your text, encyclopedias, field guides, the internet, etc.
3. Find out all you can about the animal's:
 - a. Structure (internal and external body parts and their functions)
 - b. Life style - habitat, diet, how it moves, does it migrate, natural enemies, etc.
 - c. Reproduction - types (asexual/sexual), larva vs. Adult differences (if they apply), life cycle
 - d. How it is classified in Biology (Start with its **Domain name** and work your way to the species name!! If you cannot find the Domain name, get help. It is not included on most web sites, but is really easy!!)

*******Note: Take careful handwritten notes - you will need them!!!!**

Also, make a reference page to turn in with your finished paper. This reference page must be done in acceptable English class format!! (MLA) Don't forget to put the entries of your reference page in alphabetical order!!!

You need a minimum of 5 references, with at least 1 book!!!! Do not use Wikipedia or WikiAnswers as a reputable source!!!!

4. Using your animal information, write a 5-6 page research paper that informs the reader all about this animal.

Paper Mechanics: Your paper must be:

1. Times New Roman Font, size 10 or 12, double spaced
2. 5 – 6 pages long (body of paper) (Title page, Table of Contents and Reference page do not count in this 5-6 pages)
3. Include a separate Title page (Title of project, your name, Period & class, date)
4. Include a separate Table of Contents – identify where each type of information is located in the body of your paper.
5. Include a separate reference page in proper MLA format, with URL's for websites and that has your entries in alphabetical order. (See me if you do not know how to do this!)
6. You MUST CITE SOURCES OF YOUR INFORMATION IN THE BODY OF THE paper, too!!! See the teacher if you don't know how to do this!!

Once your paper is completed, you must then choose to do **one** of the following projects:

- a. Write a children's book that tells a 5th grade elementary school student all about your animal. You must include a minimum of 20 **colorful, hand touched** illustrations. (not counting the cover!). This must be in book style, with a separate creative color.
- b. Write a campaign speech in which your animal is running for mayor, and which tells everyone why they should vote for your animal. Have a campaign slogan as part of your article. Include a minimum of the following **campaign items** with **colorful hand touched** illustrations:
1.)campaign button, 2.) campaign poster, 3.) campaign slogan, 4.)campaign bumper sticker.
- c. Pretend **you** are the animal researched. Write a creative essay entitled:
"A day in my life as a _____". Be sure to talk about your structure, lifestyle, classification and reproduction. (Write in first person: "I am Tommy the Turtle....., etc.) Also, include how it **feels** to be that animal. Include a minimum of 5 **colorful handtouched** illustrations!!!!
- d. Write a puppet show script in which your animal interacts with its environment. Include all parts of your research in your script. Make a set and a puppet(s) that can perform in your play. (these are your colorful illustrations.) Perform the puppet show and videotape it. You must provide the teacher with a form of the videotape that can be accessed from the teacher's computer. (ie., burn it to a DVD, or a special flash drive turned in with your project. You may not get this back for several weeks, so if you choose the flash drive option, you may need it to be a spare.)
- e. Write a comic book about the life of your animal. This should be funny and have great illustrations. Make the theme of your comic book a campaign for animal of the year. Include all areas of your research in the comic book panels.
This project must be in true comic book style, with **color in each of the cartoon panels.**
(See rubric)
- f. Write a series of songs about your animal that includes all your research information. Set the words for each song to music, and design a **handtouched colorful CD** cover to go with it!!! You must provide the lyrics to each song with the CD for grading, and the CD must be playable on the teacher's school computer.
- g. **Have a better idea???? Write up a proposal of your idea and get it approved, then do it!!! (no powerpoints allowed!!!)**

Topic	Points Possible	Your Points
1. Paper Mechanics: Your paper must be:	(25)	
a. Times New Roman Font, size 10 or 12, double-spaced	3	_____
b. 5 – 6 pages long (body of paper) (Table of Contents and Reference page do not count in this 5-6 pages)	6	_____
c. Include a separate Title page (Title of project, name, class, date)	3	_____
d. Include a separate Table of Contents – identify where each new discovery is located in the body of your paper.	3	_____
e. Include a separate reference page in proper MLA format, with URL's for websites and that has your entries in alphabetical order. Must have a minimum of 5 sources with at least 1 NOT from the Internet.	10	_____
2. Information in Report	(75)	
a. Structure information (internal and external body parts and their functions)	20	_____
b. Life style - habitat, diet, how it moves, does it migrate, natural enemies, etc.	20	_____
c. Reproduction - types (asexual/sexual), larva vs. Adult differences (if they apply), life cycle	20	_____
d. How it is classified in the Biology (Start with its Domain name and work your way to the species name!!)	15	_____
Total		100
**NOTE: In Text Citations in the Body of the paper are a requirement. If you fail to use them, you will automatically lose 10 points from your total score!!!		_____