

CANCER RESEARCH PROJECT

FALL 2016 PRE-AP BIO: MS GARDEA

This unit project focuses on what happens when cells do not function correctly. Many people are affected by cancer; you may even have some family members or friends that have or have had cancer. The goal is to research the cancer and orally present information and recent research through a PowerPoint presentation or poster. The project should encompass all, but is not limited to, the information from the checklist below. Be creative and use color and artwork.

Here is list of some cancers that were assigned, along with a description and some possible websites where information may be found. You are, of course, not only limited to these.

Cancer	Description	Websites
BLADDER CANCER	Bladder cancer is cancer of the sac that collects and holds urine until it exits your body.	http://www.cancer.gov http://www.nlm.nih.gov/medlineplus http://www.mayoclinic.com http://www.cancer.org http://jama.ama-assn.org http://kidney.niddk.nih.gov http://www.afud.org
BRAIN	Adult <u>brain tumors</u> are diseases in which <u>cancer (malignant) cells</u> begin to grow in the <u>tissues</u> of the brain.	http://www.abta.org http://www.tbts.org http://www.brainumor.org http://www.cancer.gov http://www.nlm.nih.gov/medlineplus http://www.mayoclinic.com http://www.cancer.org
BREAST CANCER	Breast cancer is a disease in which	http://www.avoncompany.com/women/avoncrusade

	<p>malignant (cancer) cells form in the tissues of the breast.</p>	<p>http://www.cbhp.org</p> <p>http://www.hopkinsbreastcenter.org</p> <p>http://www.komen.org</p> <p>http://www.y-me.org</p> <p>http://www.halls.md/breast/risk</p> <p>http://www.cancer.gov</p> <p>http://www.nlm.nih.gov/medlineplus</p> <p>http://www.mayoclinic.com</p> <p>http://www.cancer.org</p>
<p>COLON AND RECTAL CANCER</p>	<p>Colon cancer is a disease in which malignant (cancer) cells form in the tissues of the colon, the large intestine.</p> <p>Rectal cancer is a disease in which malignant (cancer) cells form in the tissues of the rectum, the last part of the body's digestive system.</p>	<p>http://www.cancer.gov</p> <p>http://www.nlm.nih.gov/medlineplus</p> <p>http://www.mayoclinic.com</p> <p>http://www.cancer.org</p> <p>http://digestive.niddk.nih.gov</p> <p>http://www.asco.org</p>
<p>ENDOMETRIAL CANCER</p>	<p>Endometrial cancer is a disease in which malignant (cancer) cells form in the tissues of the endometrium. The <u>endometrium</u> is the lining of the <u>uterus</u>, where a <u>fetus</u> grows.</p>	<p>http://www.nlm.nih.gov/medlineplus</p> <p>http://www.cancer.gov</p> <p>http://www.mayoclinic.com</p> <p>http://www.cancer.org</p> <p>http://www.yourdiseaserisk.harvard.edu/hccpquiz.pl?lang=english&func=home&quiz=uterine</p> <p>http://www.4woman.gov</p>

<p>KIDNEY CANCER (RENAL CELL)</p>	<p><u>Renal cell cancer</u> (also called <u>kidney cancer</u> or renal <u>adenocarcinoma</u>) is a disease in which <u>malignant</u> (cancer) <u>cells</u> are found in the lining of tubules (very small tubes) in the kidney.</p>	<p>http://www.nlm.nih.gov/medlineplus http://www.cancer.gov http://www.mayoclinic.com http://www.cancer.org http://jama.ama-assn.org http://www.afud.org/education/kidney/kidneycancer http://kidney.niddk.nih.gov</p>
<p>LEUKEMIA</p>	<p>Leukemia is cancer that begins in blood cells and can affect adults as well as children.</p>	<p>http://www.nlm.nih.gov/medlineplus http://www.cancer.gov http://kidshealth.org/parent/medical/cancer/cancer_leukemia http://www.mayoclinic.com http://www.cancer.org http://www.leukemia-lymphoma.org</p>
<p>LUNG CANCER</p>	<p>Cancers that begin in the lungs are divided into two major types, <u>non-small cell lung cancer</u> and <u>small cell lung cancer</u>, depending on how the cells look under a microscope. Each type of lung cancer grows and spreads in different ways and is treated differently.</p>	<p>http://www.nlm.nih.gov/medlineplus http://www.cancer.gov http://www.mayoclinic.com http://www.cancer.org http://www.lungusa.org http://www.lungcancer.org http://www.ncbi.nlm.nih.gov http://www.yourdiseaserisk.harvard.edu/hccpquiz.pl?lang=english&func=home&quiz=lung</p>
<p>MELANOMA</p>	<p>Melanoma is a disease in which malignant (cancer) cells form in the skin cells called</p>	<p>http://www.nlm.nih.gov/medlineplus http://www.cancer.gov</p>

	<p>melanocytes (cells that color the skin).</p>	<p>http://www.mayoclinic.com</p> <p>http://www.cancer.org</p> <p>http://familydoctor.org/666.xml</p> <p>http://www.skincarephysicians.com/skincancernet</p> <p>http://www.yourdiseaserisk.harvard.edu/hccpquiz.pl?lang=english&func=home&quiz=melanoma</p> <p>http://www.skincancer.org</p>
<p>NON-HODGKIN'S LYMPHOMA</p>	<p>Adult non-Hodgkin's lymphoma is a disease in which malignant (cancer) cells form in the lymph system. The <u>lymph system</u> is part of the <u>immune system</u> and can spread to the <u>liver</u> and many other organs and tissues.</p>	<p>http://www.nlm.nih.gov/medlineplus</p> <p>http://www.cancer.gov</p> <p>http://www.mayoclinic.com</p> <p>http://www.cancer.org</p> <p>http://www.marrow.org</p> <p>http://www.lymphoma.org</p> <p>http://www.leukemia-lymphoma.org</p>
<p>PANCREATIC CANCER</p>	<p>Pancreatic cancer is one of the most serious of all cancers. It develops when malignant cells form in the tissues of your pancreas — a large organ that lies horizontally behind the lower part of your stomach.</p>	<p>http://www.nlm.nih.gov/medlineplus</p> <p>http://www.cancer.gov</p> <p>http://www.mayoclinic.com</p> <p>http://www.pancreasfoundation.org</p> <p>http://www.cancer.org</p> <p>http://www.pancreatca.org</p> <p>http://pathology2.jhu.edu/pancreas/hered.cfm</p> <p>http://www.yourdiseaserisk.harvard.edu/hccpquiz.pl?func=d_start&cancer_list=Pancreatic</p>
<p>PROSTATE CANCER</p>	<p>Prostate cancer is cancer of the prostate gland. The prostate's primary</p>	<p>http://www.nlm.nih.gov/medlineplus</p> <p>http://www.cancer.gov</p>

	function is to produce seminal fluid, the fluid that nourishes and transports sperm.	http://www.mayoclinic.com http://www.cancer.org http://www.prostatecancerfoundation.org http://www.afud.org http://www.genome.gov http://www.cdc.gov/cancer/prostate
SKIN CANCER (NON-MELANOMA)	Basal cell and squamous cell are the two most common and comprise the large majority of cases of nonmelanoma skin cancer. Both are superficial, slow growing and highly treatable, especially if found early.	http://www.nlm.nih.gov/medlineplus http://www.cancer.gov http://www.mayoclinic.com http://www.cancer.org http://www.skincancer.org http://www.asds-net.org http://www.aad.org
THYROID CANCER	Thyroid cancer is cancer of the thyroid gland, the gland that produces hormones that regulate every aspect of your metabolism.	http://www.nlm.nih.gov/medlineplus http://www.cancer.gov http://www.mayoclinic.com http://www.cancer.org http://www.thyroid.org http://ghr.nlm.nih.gov/condition=multipleendocrineneoplasia?type2

Information about citing sources in APA format

American Psychological Association (APA) style is an academic **format**.

Please go to the following website for information:

<https://owl.english.purdue.edu/owl/resource/560/01/>

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*You will be given TWO project grades. One grade will encompass how well you included information in your project. The other grade will be on how well you PRESENT your information. Check guidelines below.

CHECKLIST- THE INFORMATION YOUR PROJECT MUST INCLUDE
Introduction <ul style="list-style-type: none">✓ Name the cancer✓ Introduce team members
Definition of the cancer <ul style="list-style-type: none">✓ What happens to the cells?✓ What part of the body does it generally affect?
Description of the symptoms <ul style="list-style-type: none">✓ List all of the possible effects on the body
Possible causes of the cancer <ul style="list-style-type: none">✓ Are there environmental or health factors that can cause the cancer?✓ Can the cancer be inherited?
Prevention <ul style="list-style-type: none">✓ What can be done to prevent getting this cancer?
How the cancer is treated <ul style="list-style-type: none">✓ Medications? Surgery?✓ Chemotherapy? Radiation?✓ Nutrition? Lifestyle choices?
How the cancer is diagnosed <ul style="list-style-type: none">✓ What tests are done?✓ Are scans done with MRI, CAT scan, PET scan, X-ray, or ultrasound machines?
How many and what type of people are likely to have the disorder <ul style="list-style-type: none">✓ Is it more common in a certain group of people?✓ How common is it?
Application of research article <ul style="list-style-type: none">✓ What new information did you learn from your research?
YOUR questions about cancer (After watching the cancer videos in class) How did you incorporate your question AND answer to your question in your project?
Aesthetics <ul style="list-style-type: none">Did you organize your information well?Is it colorful?Is it in a format that is easy to understand?Are there pictures/diagrams/charts?