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| **GRADE 10**  **DETAILED LESSON PLAN** | **School** | **CAMALEY NATIONAL HIGH SCHOOL** | **Grade Level** | **10** |
| **Student-Teacher** | **KITZ CERWIN S. RAMIREZ** | **Learning Areas** | **SCIENCE** |
| **Teaching Dates and Time** | **11:00-12:00 &2:00-3:00**  **March 13,2024 Tuesday** | **Quarter** | **3rd Quarter** |

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| **I. OBJECTIVES** |  | | |
| **A. Content Standard** | The learners demonstrate an understanding of how feedback mechanisms coordinated by Male Reproductive System | | |
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| **C. Learning Competencies/Objectives** | Describe how endocrine system coordinates and regulates these feedback mechanisms to maintain homeostasis. **(S10LT-IIIc-36)**  **Specific Objectives:**   a.) Identify and define the parts and functions of male reproductive systems  b) Explain the roles of hormones in male reproductive systems  c.. Explaining the roles of hormones in male reproductive system | | |
| **II. CONTENT** | **Coordinated Functions of the Nervous, Endocrine and Reproductive Systems (THE MALE RPRODUCTIVE SYSTEM)** | | |
| **III. LEARNING RESOURCES** |  | | |
| **A. Instructional Materials** | * Slide presentation * Charts and Illustration | | |
| **B. References** |  | | |
| 1. **Teacher`s Guide pages** |  | | |
| 1. **Learner`s Materials pages** | * Science 10 LM pp.247-248 | | |
| 1. **Textbook pages** |  | | |
| 1. **Additional Learning Materials** |  | | |
| **C. Other Learning Resource** |  | | |
| **D. Science Processes** | * Analyzing, Comparing, Interpreting, and Observing | | |
| **E. Values Integration** | * Active Participation, Curiosity, Decision-Making, Keen observer, and Open-Mindedness | | |
| **IV. PROCEDURES** |  | **TEACHER** | **STUDENT** |
| **A. Preliminary activities**  **Previous lesson or presenting a new lesson.** | **ELICIT** | 1. **Prayer**   Good morning class*!*  May I request everyone to all stand and let us feel the presence of the lord.  Class president kindly lead the prayer    Please be seated!  How are you today?  Okay That’s great. I'm glad that all of you are fine and no one is sick*.*   1. **Classroom management**   Before you take your seats, kindly pick up the pieces of trash under your chair and also arrange yourself into alphabetical.   1. **Checking of attendance**   Who’s assign secretary of this section? Kindly check the attendance of your classmates. However, I will call your name to know you and familiarize your name  Is there any absent today?  Very good! I'm glad that all of you are present today*.*  Before we start to our new lesson, may we have a short recap about our lesson yesterday?  What was our last discussion all about?    Very good! Do you have any questions for that?  That’s great! | **(The students will stand)**  **(The students bow their heads and pray)**  Good morning Sir Ramirez,  Thank you, sir!  Were fine and feel better  Sir.  None sir    (The student will pick up the pieces of trash under their chairs and arrange their chairs to their respective arrangement***)***  Yes Sir, I’m the secretary.  None Sir, all of us are present today.  Okay sir  We discussed about the Effects of Hormones in the Body  Hormones affect various processes in the body as they regulate and balance the functioning of organs, tissues and cells, Hormones have a great impact on your growth, appearance, emotions, and reproductive functions.  None sir! |
| 1. **Establishing a purpose** | **ENGAGE** | seems that everyone already remembered the  lesson that we have discussed last meeting. We  can now proceed to our lesson for today  seems that everyone already remembered the  lesson that we have discussed last meeting. We  can now proceed to our lesson for today  It seems that everyone already remembered the lesson that we have discussed last meeting. We can now proceed to our next topic for today.  As for our initial activity today! Let’s have a short activity game entitled ***“FIX ME, BECAUSE I’M JUMBLED”.***  It sounds that all of you are ready, to the start the game.  HERE ARE THE INSTRUCTIONS:   * I will divide the class into four groups. * The leaders of the group will pick an envelope with a set of jumbled letters inside. * Then all of you have to do is to fix it with correct words. * The first group to finish the activity game will receive a reward.   Are my instructions clear, class?  Let’s do this game! Entitled “FIX ME, BECAUSE I’M JUMBLED.  *TERMS TO ARRANGE:*  1.MREPS LLEC-  2.MUTORCS-  3.SETSET-  4.SINEP  5.ELAM-  Alright! Congratulations to the group\_\_, you are the group who finished arranging the words properly with shortest time consumed. Later, you will receive a reward for me.  All of you got the correct terms, Very Good class!  Give yourself an “**ANG GALING! GALING! CLAP!!!**  It goes like this….  (Clap...Clap...Clap) 123  (Hand stamp 3 times) 123  ANG GALING, GALING CLAP!  You all did a great job class! Congratulations. | Yes sir!  1.SPERM CELL  2.SCROTUM  3.TESTES  4.PENIS  5.MALE  Thank u sir!  Clap...Clap...Clap)  Hand stamp 3 times  ANG GALING, GALING CLAP! |
| 1. **Presenting examples/instances of the lesson** | Based on the game that we played do you have any idea on what our topic for will be today?  That’s correct!   Do you have any idea on what is Male reproductive System?  Very Good! It is essential in regulating growth and development, metabolism, as well as reproductive processes and mood. | Our topic for today is all about the Male Reproductive System.  Yes Sir.  The male reproductive system mostly exists outside of your body. The external organs include the penis, scrotum and testicles. Internal organs include the vas deferens, prostate and urethra. The male reproductive system is responsible for sexual function and urination |
| 1. **Discussing new concepts and practicing new skills #1** | **EXPLORE** | Class the male reproductive system can be divided into two, and there are?  Male Reproductive System - Structure, Organs, Functions - GeeksforGeeks  What are the different parts external organs of male reproductive system?  What are the different part of internal organs of male reproductive system?  What part of the male reproductive system produces sperm?  Give the parts and functions of male reproductive system? | External and Internal sir!  Sir! The external organs include the penis, scrotum.  Sir! testis, vas deferens, urethra, seminal vesicle, prostate gland, and bulbourethral gland.  Sir! because of testosterone hormone that causes boys to develop deeper voices, bigger muscles, and body and facial hair. It also stimulates the production of sperm  Sir! Testis -Produces sperm cells  Scrotum-Sac the skin that holds the testis.  Penis -Deposits sperms into the vagina during mating.  Vas deferens -Carries the sperm form the testis to urethra.  Seminal Vesicle -Secretes -a fluid that make up most of the components of the semen.  Prostate Gland-Secretes a a slightly alkaline milky fluid that is discharged as part of the semen.  Bulbourethral Gland -Secretes a thick and clear mucus that lubricates and neutralizes the any trace of acidic urine in the urethra. |
| 1. **Discussion new concepts and practicing new skills # 2** | The students will play “Word Hunt “  **Activity 1** Directions: Search up, forward, backward, and on the diagonal, to find the hidden words.  Male Reproductive Crossword Word Search - WordMint | 1. . 2. . |
| 1. **Developing mastery (leads to Formative Assessment)** | **EXPLAIN** | Activity: Provided the labels for the indicated parts on the diagram of the male reproductive system  Male Reproductive System Anatomy Activity Sheet PDF | Male glands, Urinary bladder, penis, urethra,testis,scrotumTop of Form |
| 1. **Finding practical applications of concepts and skill in daily living** | **ELABORATE** | Cite the real-life applications of the male reproductive system!  How to do reproduction in real life?  Very good!  Why is it important to keep the male reproductive system healthy?  Very good!  What is the importance of male reproductive hormones?  Very good! | Sir! Human reproduction normally begins with cupalation though it may be achieved through artificial insemination.  Sir! There is increasing evidence that damaged sperm can affect pregnancy outcomes, from miscarriage and birth weight to birth defects and childhood illnesses. It's important to pay more .tive health because it. potential to improve men’s  Sir! Male reproductive hormones, such as testosterone, help to develop and maintain male characteristics and help make sperm in testes. Some reproductive hormones may also be made in the laboratory and used to treat certain medical conditions. |
| 1. **Making Generalization and abstraction about the lesson** |  | Now, let’s look back  What are the things that you have learn?  Very good!  What do you think is importance of having the male reproductive system?  Very good!  Why do the testes need to have a lower temperature than the rest of the body?​  Very good!  Excellent! I think you are all now ready for the quiz. | The function of the male reproductive system is to produce androgen and testosterone that maintain male reproductive function to promote spermatogenesis and to transport to female reproductive system for fertilization.  They produce, keep up with and transport sperm (the male conceptive cells) and semen (the defensive liquid around sperm). They release sperm into the female regenerative parcel. They produce and discharge male sex chemicals.   The testicles isn't the one that has lower temperature than the remainder of the body, it's the scrotum, which is a couple of pocket like sacs and it additionally fills in as the skin covering of the testicles. It controls its temperature in light of the fact that the testicles should be marginally cooler than the body to deliver sperm cells |
| 1. **Evaluating Learning** | **EVALUATE** | Let's evaluate what you've gained in understanding about Male Reproductive Systems today.  **SHORT QUIZ**  Directions: Choose the correct answer. Encircle the correct answer  1, The release are semen from the penis during intercourse is known as?  A. implantation b fertilization c .ejaculation d. pollination  2. Sperm is made here?  a. the urethra b. the sperm duck c. the pancreas d. the testis  3. Which on the following is not part of male reproductive system?  a. seminal vesicles b urethra c. kidney d.prostate gland  4.What is the role of the epididymis?  a) Produces sperm  b) Stores and matures sperm  c) Secretes testosterone  d) Transports sperm to the urethra  5.Approximately how many sperm cells are produced by each testicle daily by a mature male?  a.1 b. 200 c.5,000 d. 80-100 million of sperm cells  IDENTIFICATION  Direction :Read carefully and choose the correct answer in the box  \_\_\_\_\_\_\_\_6.Identify the glandular structures that produce a significant portion of seminal fluid  \_\_\_\_\_\_\_\_7the gland that produces a milky fluid that mixes with sperm to form semen.  \_\_\_\_\_\_\_\_\_8.Identify the tube that carries mature sperm from the epididymis to the ejaculatory duct during ejaculation.  \_\_\_\_\_\_\_\_\_9..Name the small glands that secrete a clear fluid to lubricate the urethra and neutralize acidity during ejaculation.  \_\_\_\_\_\_\_\_10.Identify the organ of copulation that contains erectile tissue and becomes engorged with blood during sexual arousal.  Vas deferens ,Penis , Seminal Vesicles ,Prostate Gland, Bulbourethral gland | 1.c ejaculation  2.d testis  3.c. kidney  4 b stores and mature sperm  5.d. 80-100 million of sperm cell  6.Seminal vesicles  7.Prostate gland  8. Vas deferens (Ductus deferens)  9.Bulbourethral glands (Cowper's glands)  10.Penis |
| 1. **Extending Learning/Additional activities for application or remediation** | **EXTEND** | ASSIGNMENT: Research about female reproductive system parts and functions? |  |
| **V. REMARKS** |  |  | |
| **VI. REFLECTION** |  |  | |
| 1. **No. of learners who earned 80% in the evaluation** |  |  | |
| 1. **No. of Learners who require additional activities for remediation** |  |  | |
| 1. **Did the Remedial lessons work? No. of learners who have caught up with the lesson** |  |  | |
| 1. **No. of Learners who continue to require remediation** |  |  | |
| 1. **Which of my teaching strategies work well? Why did this work?** |  |  | |
| 1. **What difficulties did I encounter which my principal or supervisor can help me solve?** |  |  | |
| 1. **What innovation or localized materials did I use/discover which I wish to share with other teachers?** |  |  | |

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Practice Teacher Cooperating Teacher