| ***Health Grade 9 Unit 12: Life Cycle******February*** |
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| **Targeted Standards** **2020 New Jersey Student Learning Standards – Comprehensive Health and Physical Education** **2.1 Personal and Mental Health by the End of Grade 12** **Personal Growth and Development** The decisions one makes can influence an individual’s growth and development in all dimensions of wellness. • 2.1.12.PGD.1: Develop a health care plan that includes practices and strategies designed to support an active lifestyle, attend to mental health, and foster a healthy, social and emotional life. • 2.1.12.PGD.2: Predict how healthy and unhealthy behaviors can affect brain development and impact physical, social and emotional stages of early adulthood. **Pregnancy and Parenting** There are a variety of strategies that individuals can use to prevent pregnancy and sexually transmitted infections. • 2.1.12.PP.1: Compare and contrast the advantages and disadvantages of contraceptive and disease prevention methods (e.g., abstinence, condoms, emergency contraception, dental dams). • 2.1.12.PP.2: Develop a plan to eliminate or reduce risk for unintended pregnancy and/or STIs (including HIV) and identify ways to overcome potential barriers to prevention. • 2.1.12.PP.3: Identify trusted adults, including family members, caregivers, school staff, and health care professionals to ask questions and discuss pregnancy and other health topics. There are many decisions to be made related to pregnancy and childbirth that will have shortand long-term impacts. • 2.1.12.PP.4: List the major milestones of each trimester of fetal development utilizing medically accurate information. • 2.1.12.PP.5: Analyze factors that can impact the health of a baby (e.g., fetal alcohol syndrome, sudden infant death syndrome, low birth weight, premature birth, genetics). • 2.1.12.PP.6: Analyze personal and societal factors that can influence decisions about pregnancy options, including parenting, abortion, safe haven, and adoption. • 2.1.12.PP.7: Analyze the emotional, social, physical, and financial effects of being a teen or young adult parent. • 2.1.12.PP.8: Assess the skills needed to be an effective parent. • 2.1.12.PP.9: Evaluate parenting strategies used at various stages of child development based on reliable sources of information.**Emotional Health** Self-confidence, personal traits, stress, limitations, and strengths impact the mental and emotional development of an individual. • 2.1.12.EH.1: Recognize one’s personal traits, strengths, and limitations and identify how to develop skills to support a healthy lifestyle. • 2.1.12.EH.2: Analyze factors that influence the emotional and social impact of mental health illness on the family. Healthy individuals demonstrate the ability to prevent and resolve interpersonal conflicts in constructive ways. • 2.1.12.EH.3: Describe strategies to appropriately respond to stressors in a variety of situations (e.g., academics, relationships, shootings, death, car accidents, illness). • 2.1.12.EH.4: Analyze and adapt mental and emotional health messages and communication techniques to peers and other specific target audience (e.g., dimensions of health). **Social and Sexual Health** How individuals feel about themselves, their identity, and sexual orientation can be positively or negatively impacted by a wide variety of factors. • 2.1.12.SSH.1: Analyze the influences of peers, family, media, social norms and culture on the expression of gender, sexual orientation, and identity. • 2.1.12.SSH.2: Advocate for school and community policies and programs that promote dignity and respect for people of all genders, gender expressions, gender identities, and sexual orientations. • 2.1.12.SSH.3: Analyze current social issues affecting perceptions of sexuality, culture, ethnicity, disability status and make recommendations to address those issues. Healthy individuals establish and maintain healthy relationships by utilizing positive communication and social skills to interact effectively with others. • 2.1.12.SSH.4: Demonstrate strategies to prevent, manage, or resolve interpersonal conflicts without harming self or others (defining and understanding the laws of consent and dating violence). • 2.1.12.SSH.5: Demonstrate ways to show respect for the boundaries of others as they relate to intimacy and sexual behavior. • 2.1.12.SSH.6: Analyze the benefits of abstinence from sexual activity using reliable resources. • 2.1.12.SSH.7: Analyze factors that influence the choices, and effectiveness of safer sex methods and contraception, including risk-reduction and risk-elimination strategies.There are many factors that influence how we feel about ourselves and the decisions that we make. • 2.1.12.SSH.8: Describe the human sexual response cycle, including the role of hormones and pleasure. • 2.1.12.SSH.9: Analyze the personal and societal factors that could keep someone from leaving an unhealthy relationship. There are state and federal laws which provide access to sexual health care services for minors and to protect minors from unhealthy sexual situations. 2.1.12.SSH.10: Analyze the state and federal laws related to minors’ ability to give and receive sexual consent and their association with sexually explicit media. **Community Health Services and Support** Healthy individuals demonstrate the ability to identify who, when, where and/or how to seek help for oneself or others. • 2.1.12.CHSS.1: Analyze the opportunities available at home, in school, and in the community to support the mental health of oneself or an individual. • 2.1.12.CHSS.2: Develop an advocacy plan for a health issue and share this information with others who can benefit. • 2.1.12. CHSS.3: Explain the purpose of the Safe Haven Law and identify locations in your community. • 2.1.12.CHSS.4: Identify medically accurate sources of information and local services that provide contraceptive methods (including emergency contraception and condoms) and pregnancy options (including parenting, abortion, safe haven, adoption, and prenatal care). Affordability and accessibility of health care impacts the prevention, early detection, and treatment of health conditions. • 2.1.12.CHSS.5: Analyze a variety of health products and services based on cost, availability, accessibility, benefits and accreditation in the home, school, and in the community (e.g., suicide prevention, breast/testicular self-examination, CPR/AED, life skills training, menstrual products). • 2.1.12.CHSS.6: Evaluate the validity of health information, resources, services, in school, home and in the community. Local, state, and global advocacy organizations provide accurate and reliable resources and strategies designed to address common health and social issues. • 2.1.12.CHSS.7: Describe how individuals and local, state, and global advocacy organizations can collaborate to address common local and global health and social issues (e.g., hunger, clean water, organ/tissue donation). • 2.1.12.CHSS.8: Investigate how local, state, and global agencies are addressing health issues caused by climate change and share this information in an appropriate setting. Knowledge of and access to resources is beneficial in providing support to individuals and families dealing with difficult situations. 2.1.12.CHSS.9: Develop an action plan to assist individuals who have feelings of sadness, anxiety, stress, trauma, or depression and share this information with individuals who will benefit.**2020 New Jersey Student Learning Standards – Comprehensive Health and Physical Education** **2.3 Safety by the End of Grade 12** **Personal Safety** Consideration of the short- and long-term impact of decisions can assist individuals in determining whether a choice is likely to result in healthy or unhealthy consequences. • 2.3.12.PS.1: Apply a thoughtful decision-making process to evaluate situations and influences that could lead to healthy or unhealthy consequences (e.g., peers, media). • 2.3.12.PS.2: Analyze the short- and long-term consequences of sharing sexually explicit images (sexting) or messages with individuals or posting online. • 2.3.12.PS.4: Investigate the relationship between alcohol, drug use, and motor vehicle crashes and analyze the short- and long-term consequences of these actions. State and federal laws are designed to protect individuals from abuse and may help to break the cycle of abuse. • 2.3.12.PS.5: Identify the state and federal laws related to intimate partner and sexual violence (e.g., sexual harassment, sexual abuse, sexual assault, domestic violence). • 2.3.12.PS.6: Describe the types of abuse (e.g., physical, emotional, psychological, financial, sexual) and the cycle of violence as it relates to sexual abuse, domestic violence, dating violence, and gender-based violence. • 2.3.12.PS.7: Analyze recruitment tactics that sex traffickers/exploiters use to exploit vulnerabilities and recruit youth. Technology increases the capacity of individuals to communicate in multiple and diverse ways, which can complicate interpersonal relationships and self-esteem. • 2.3.12.PS.8: Develop strategies to communicate effectively, safely, and with empathy when using digital devices in a variety of situations (e.g., cyberbullying, sexting). • 2.3.12.PS.9: Evaluate strategies to use social media safely, legally, and respectfully. • 2.3.12.PS.10: Analyze the short- and long-term consequences of sharing sexually explicit images (sexting) or messages with individuals or posting online.

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| Rationale and Transfer Goals: This unit is designed to inform students about where they come from and what changes they will experience throughout life.  As a fetus develops during pregnancy, special care needs to be taken to ensure the fetus and mother remain healthy. |
| Enduring Understandings: Pathway of fertilizationStages of embryonic developmentWhat the difference between pre-natal and post-natal careHeredity and GeneticsBirth through childhoodMajor changes during puberty |
| Essential Questions: Why is the mother's health important to her fetus in pregnancy?What role do parents play in child development?What major changes do infants and children experience?How can marriage affect your lifestyle?What challenges do adults face in their later years? |
| **Content/Objectives** | **Instructional Actions** |
| ***Content******What students will know*** | ***Skills******What students will be able to do*** | ***Activities/Strategies******How we teach content and skills*** | ***Evidence (Assessments)******How we know students have learned*** |
| Prenatal Development and Care.Heredity and geneticsBirth through childhood.Changes during adolescenceAdulthood, marriage, and parentingHealth through the life cycle. | Identifying changes to the baby during a woman’s pregnancy.Evaluate how parenting affects children.Recognize genetic disorders and treatments. | Photo prompt. p.494Stages of development p485Miracle of life videoGenetics research projectPregnancy disorders project. | Tests and quizzesFormative: Written Testwritten exams on chapter 20 Standards AssessedPhoto promptSummative: Visual Arts ProjectUsing a photo identify the different generations of the family and answer questions about them. 20 Standards AssessedResearch projectSummative: Personal ProjectStudents will be given a disorder that occurs during pregnancy and research the disorder and any treatments.  20 Standards Assessed |
| **Spiraling for Mastery** |
| **Content or Skill for this Unit** | **Spiral Focus from Previous Unit** | **Instructional Activity** |
| Knowledge of puberty and some sexual reproductive organsNote takingHealthy behaviors related to reproductive systemsChanges throughout life to mind and body | Effective communicationLiteracy activities Note takingVocabulary | Health literacy activitiesGroup scenarios ProjectsKey terms/DiagramsCreating T-chartsLesson AssessmentsWord Webs – note takingCommunication checklist Video Response-essay |
| **21st Century Skills:** **CRP3. Attend to personal health and financial well-being.**Unit focus on personal healthCross-cutting discussions of financial costs and benefits to lifelong fitness**CRP6. Demonstrate creativity and innovation.**Creativity in development of workout plans for variety and maintaining interest**CRP11. Use technology to enhance productivity.**Use of online and mobile technology to support lifetime health and fitness goals **CRP12. Work productively in teams while using cultural global competence.**Students will work in small groups to create, problem solve, and participate in games**CRP4. Communicate clearly and effectively and with reason.*** all aspects of course
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| **Key resources:**  *Glencoe Health* Book[www.Glencoe.com](http://www.glencoe.com)[www.pecentral.com](http://www.pecentral.com) |
| **Interdisciplinary Connections****ELA****NJSLSA.R1**. Read closely to determine what the text says explicitly and to make logical inferences and relevant connections from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.**NJSLSA.R7.** Integrate and evaluate content presented in diverse media and formats, including visually and quantitatively, as well as in words.**RH.9-10.7.** Integrate quantitative or technical analysis (e.g., charts, research data) with qualitative analysis in print or digital text, to analyze information presented via different mediums. **RST.9-10.2.** Determine the central ideas, themes, or conclusions of a text; trace the text’s explanation or depiction of a complex process, phenomenon, or concept; provide an accurate summary of the text.**RST.9-10.3.** Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks, attending to special cases or exceptions defined in the text.**RST.9-10.7.** Translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.**NJSLSA.W4.** Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.**NJSLSA.W7.** Conduct short as well as more sustained research projects, utilizing an inquiry-based research process, based on focused questions, demonstrating understanding of the subject under investigation. * standards supporting written and print communication across all areas of the course

**Science****HS-LS1-3.** Plan and conduct an investigation to provide evidence that feedback mechanisms maintain homeostasis. [Clarification Statement: Examples of investigations could include heart rate response to exercise]**HS-LS2-3.** Construct and revise an explanation based on evidence for the cycling of matter and flow of energy in aerobic and anaerobic conditions.**HS-LS2-8.** Evaluate evidence for the role of group behavior on individual and species’ chances to survive and reproduce.* Connections to study of exercise physiology and associated anatomy
* Basic understanding of communicability of diseases in discussion of wellness

**Math****Creating Equations A -CED**A. Create equations that describe numbers or relationships. 1. Create equations and inequalities in one variable and use them to solve problems. *Include equations arising from linear and quadratic functions, and simple rational and exponential functions.***Modeling with Geometry G-MG**A. Apply geometric concepts in modeling situations. 1. Use geometric shapes, their measures, and their properties to describe objects (e.g., modeling a tree trunk or a human torso as a cylinder).**Interpreting Categorical and Quantitative Data S-ID N-ILN**A. Summarize, represent, and interpret data on a single count or measurement variable1. Represent data with plots on the real number line (dot plots, histograms, and box plots).**Making Inferences and Justifying Conclusions S-IC**B. Make inferences and justify conclusions from sample surveys, experiments, and observational studies* math processes related to fitness and health data, geometry in gameplay, and quantitative representations
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