Dec. Grade 4 Unit 3: Digestive System

Content Area: **Health**
Course(s):
Time Period: **December**
Length: **4-6 Weeks**
Status: **Published**

Unit Overview

In this unit, students will identify factors that can help or hinder the digestive system. They will be able to describe the relationship between calories, energy and nutrients. Influences on eating patterns will be discussed and how we can help to make foods that we know are good for us "taste" better through herbs. Herb Project. [plant in school garden, harvest and dehydrate to taste if possible] If time, discussion on consumer skills.

Enduring Understandings

Medical issues and family dynamics have a role in food choice as well as their sense of smell, taste, sight and touch.

Nutrition choices directly affect a person's current and lont-term wellness.

Essential Questions

Why is it important to know where our food comes from?

How does the world around your affect your food choices?

How do our senses affect our food choices and preferences?

What are healthy foods and how does MyPlate help determine food choices?

Instructional Strategies & Learning Activities

Teacher presentation with PowerPoint

Worksheet readings & Activities

Whole class discussion

Small group discussion

Note taking

Diagram and labeling

Charting

Group Project (Herbs)

(Plant seed starter lab, transfer to school garden, harvest, dehydrate – through other units)

Integration of Career Readiness, Life Literacies and Key Skills

Students will experience growing their own food, and learn about the skills they need to be a savvy consumer.

9.2.5.CAP	Career Awareness and Planning
	An individual's passions, aptitude and skills can affect his/her employment and earning potential.
9.2.5.CAP.1	Evaluate personal likes and dislikes and identify careers that might be suited to personal likes.
9.4.5.CI.1	Use appropriate communication technologies to collaborate with individuals with diverse perspectives about a local and/or global climate change issue and deliberate about possible solutions (e.g., W.4.6, 3.MD.B.3,7.1.NM.IPERS.6).
9.2.5.CAP.2	Identify how you might like to earn an income.
9.2.5.CAP.3	Identify qualifications needed to pursue traditional and non-traditional careers and occupations.
	Curiosity and a willingness to try new ideas (intellectual risk-taking) contributes to the development of creativity and innovation skills.
9.4.5.CT	Critical Thinking and Problem-solving
9.4.5.CT.4	Apply critical thinking and problem-solving strategies to different types of problems such as personal, academic, community and global (e.g., 6.1.5.CivicsCM.3).
9.4.5.DC.4	Model safe, legal, and ethical behavior when using online or offline technology (e.g., 8.1.5.NI.2).

Technology and Design Integration

Students will interact with the unit using the Smartboard.

Interdisciplinary Connections

LA.RI.4.1	Refer to details and examples in a text and make relevant connections when explaining what the text says explicitly and when drawing inferences from the text.

LA.RI.4.4	Determine the meaning of general academic and domain-specific words or phrases in a text relevant to a grade 4 topic or subject area.
LA.RF.4.4	Read with sufficient accuracy and fluency to support comprehension.
LA.W.4.4	Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience. (Grade-specific expectations for writing types are defined in standards 1–3 above.)
LA.W.4.7	Conduct short research projects that build knowledge through investigation of different aspects of a topic.
LA.W.4.9	Draw evidence from literary or informational texts to support analysis, reflection, and research.
LA.SL.4.4	Report on a topic or text, tell a story, or recount an experience in an organized manner, using appropriate facts and relevant, descriptive details to support main ideas or themes; speak clearly at an understandable pace.
LA.SL.4.5	Add audio recordings and visual displays to presentations when appropriate to enhance the development of main ideas or themes.
LA.L.4.1	Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
LA.L.4.2	Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.
LA.L.4.3	Use knowledge of language and its conventions when writing, speaking, reading, or listening.

Differentiation

- Understand that gifted students, just like all students, come to school to learn and be challenged.
- Pre-assess your students. Find out their areas of strength as well as those areas you may need to address before students move on.
- Consider grouping gifted students together for at least part of the school day.
- Plan for differentiation. Consider pre-assessments, extension activities, and compacting the curriculum.
- Use phrases like "You've shown you don't need more practice" or "You need more practice" instead of words like "qualify" or "eligible" when referring to extension work.
- Encourage high-ability students to take on challenges. Because they're often used to getting good grades, gifted students may be risk averse.

- **Definitions of Differentiation Components**:

    - Content – the specific information that is to be taught in the lesson/unit/course of instruction.
    - Process – how the student will acquire the content information.
    - Product – how the student will demonstrate understanding of the content.
    - Learning Environment – the environment where learning is taking place including physical location and/or student grouping

Differentiation occurring in this unit:

Small group work

Use pictures and concrete examples

Supplemental materials/supplies

Assignments/homework written on board

Check for understanding before moving on

One to one assistance as needed

Provide an example of the work expectations/sample problem

Start homework in school when possible

Modify projects, if needed

Peer assistance

Carefully selected student groups for group work

Student will brainstorm ways that the curriculum is connected to the real world

Connect the curriculum to the field of knowledge

Incorporate authentic components

Modifications & Accommodations

Refer to QSAC EXCEL SMALL SPED ACCOMMOCATIONS spreadsheet in this discipline.

Modifications and Accommodations used in this unit:

Follow IEP's

Utilize 504's

Benchmark Assessments

Benchmark Assessments are given periodically (e.g., at the end of every quarter or as frequently as once per month) throughout a school year to establish baseline achievement data and measure progress toward a standard or set of academic standards and goals.

Schoolwide Benchmark assessments:

Aimsweb benchmarks 3X a year

Linkit Benchmarks 3X a year

DRA

Additional Benchmarks used in this unit:

Teacher made assessments

Formative Assessments

Assessment allows both instructor and student to monitor progress towards achieving learning objectives, and can be approached in a variety of ways. **Formative assessment** refers to tools that identify misconceptions, struggles, and learning gaps along the way and assess how to close those gaps. It includes effective tools for helping to shape learning, and can even bolster students' abilities to take ownership of their learning when they understand that the goal is to improve learning, not apply final marks (Trumbull and Lash, 2013). It can include students assessing themselves, peers, or even the instructor, through writing, quizzes, conversation, and more. In short, formative assessment occurs throughout a class or course, and seeks to improve student achievement of learning objectives through approaches that can support specific student needs (Theal and Franklin, 2010, p. 151).

Formative Assessments used in this unit:

Teacher will listen for appropriate input during open discussion

Question and answer

Check worksheet and classwork completion

Check homework

Summative Assessments

Summative assessments evaluate student learning, knowledge, proficiency, or success at the conclusion of an instructional period, like a unit, course, or program. Summative assessments are almost always formally graded and often heavily weighted (though they do not need to be). Summative assessment can be used to great effect in conjunction and alignment with formative assessment, and instructors can consider a variety of ways to combine these approaches.

Summative assessments for this unit:

Graded Test

Group Project

Instructional Materials

The Great Body Shop Teacher Binder – 4th Grade Edition (modified)

Worksheets from TGGB Binder

Teacher developed Worksheets

Research articles to start project

Seed starter lab and materials for planting

Standards

2.1.5.PGD.1	Identify effective personal health strategies and behaviors that reduce illness, prevent injuries, and maintain or enhance one's wellness (e.g., adequate sleep, balanced nutrition, ergonomics, regular physical activity).
2.2.5.N.1	Explain how healthy eating provides energy, helps to maintain healthy weight, lowers risk of disease, and keeps body systems functioning effectively.
2.2.5.N.2	Create a healthy meal based on nutritional content, value, calories, and cost.
2.2.5.N.3	Develop a plan to attain a personal nutrition health goal that addresses strengths, needs, and culture.
2.3.5.HCDM.1	Identify conditions that may keep the human body from working properly, and the ways in which the body responds.