Unit: General Nutrition

SOLs:
- 3.5 D- Identify the macronutrients (fat, protein, carbohydrates).

Title: Energy Pin Down

Objectives/ Goals:
[Students are learning about macronutrients]
- Students will know that there are 3 basic macronutrients that is where we get are energy from
- Students will learn the number of calories per gram for each one

Materials:
[Equipment and Set Up]
- 1 bowling pin for every student
- Gator balls

Procedure:

Intro: Discussion should cover:
- There are 3 types of macronutrients (fat, protein and carbohydrate). They provide energy for our bodies.
- Macronutrients are: chemical substances required in large amounts by the body for
survival
- Fat- 9 calories per gram- healthy fats should make up 20-30% of caloric intake-
  seafood, nuts, and seeds are great sources of healthy fats
- Protein- 4 calories per gram: 10 – 35% of diet- found in meat, seafood, nuts, seeds,
  beans, dairy and some vegetables
- Carbohydrate- 4 calories per gram: 45-65% of diet- fruits, vegetables and whole grains
  consist mostly of carbohydrate

Description-
Gator balls represent foods that are good sources of each macronutrient. Teacher needs to
designate specific color gator balls to represent each macronutrient. Students protect their own
pin while throwing gator balls at the pins of others. If the pin gets knocked down, it means they
have just consumed food and taken in the calories. They must go outside the playing area and
burn the calories to stay in energy balance. If the fat ball hits the pin, they do 9. They need to do 4
for either carb or protein. Feel free to designate specific exercises or leave the choices open
ended.

Closure
- What are the 3 macronutrients?
- What do the macronutrients provide for our bodies?

Assessments, References & Sources:

Resources:
- https://www.globalhealingcenter.com/natural-health/what-are-macronutrients/

Assessments:
Use the exit slip found below.

Lesson created by Amy Riggio
In class today, we learned about macronutrients. Please answer the following question:

1) List the 3 basic macronutrients:

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