OFFICE OF POLICY AND OPERATIONS
Summary of State Board of Education Agenda Items
February 18-19, 2010

OFFICE OF HEALTHY SCHOOLS

Office of Child Nutrition

10. Approval to begin the Administrative Procedures Act process: To revise State Board Policy 4011 – Nutrition regulations for the Child Nutrition School Breakfast and Lunch Programs

EXECUTIVE SUMMARY

State Board Policy Number 4011 was adopted in January 2008. These regulations offer schools a standard for improving the nutritional quality of school meals.

These requested recommendations are to provide clarification to the current standards and a continued commitment to gradually improving the meals served in Mississippi through the Child Nutrition Program. The recommendations are also based on a recent evaluation conducted by the Center for Mississippi Health Policy in Mississippi Public Schools and a recent report from the Institute of Medicine (IOM). As part of their recommendations, milk fats should be limited to no more than 1% (low-fat) and schools should offer a variety and larger amounts of fruits, vegetables and whole grain products. While not required, the United States Department of Agriculture (USDA) guidance and resource materials currently make these same recommendations under the 2005 Dietary Guidelines for Americans.

Based upon the findings from the Center for Mississippi Health Policy, the recommendations outlined in the IOM report, and USDA's consideration of these recommendations and their recommendations within published guidance, we are recommending modifying State Board Policy Number 4011 as follows:

- Clarify sub-groups of fruits and vegetables;
- Reduce the maximum milk fat allowance from 2% to 1%;
- Add requirement to submit long range plan to eliminate fryers; and
- Add minimum number of servings per week of whole grain rich foods.

These modifications have previously received approval from the School Health Task Force. Three (3) State Board of Education members are currently serving on

this task force. They are Mr. Howell "Hal" N. Gage, Chairman, Dr. O. Wayne Gann and Mrs. Martha "Jackie" Murphy.

Recommendation: Approval

Back-up material attached

Nutrition Standards

The Mississippi Department of Education recognizes that:

1. A crucial relationship exists between nutrition and health and nutrition and learning. The health and nutrition needs of growing students are met with USDA school meals programs.
2. As a minimum school districts must follow all current and future requirements and recommendations of the USDA National School Lunch Program Meal Patterns and Nutrient Standards.
3. The 2005 Dietary Guidelines for Americans, USDA's My Pyramid (www.mypyramid.gov) and the USDA HealthierU.S. School Challenge provide nutritional guidance for school meals.
4. Schools must offer equal access to all meals or items served or sold under the National School Lunch & Breakfast Programs.
5. Students need adequate time to eat and enjoy meals served in schools.
6. Moving recess before lunch, through a simple schedule change, may provide many benefits for students especially in grades K-12.
7. Family education will be the key to building a healthy future for all Mississippians. Families must embrace nutrition and wellness; it is crucial to the success of our efforts. Mississippi public schools offer the best resources, facilities and structure to promote family nutrition education.
8. Offering healthful foods and beverages in schools does not guarantee that students will choose them. Aggressive marketing techniques must inform students, teachers, administrative staff and most importantly, the public of the benefits of eating in the school cafeteria.
9. School districts are encouraged to participate in the **HealthierU.S. School Challenge** and become a **USDA Team Nutrition School**.

The Mississippi Department of Education intends that:

A. Healthy food and beverage choices:

1. Schools shall increase fresh fruits and vegetables offered to students. A minimum of one fresh fruit or vegetable choice should be offered to students each day.

2. School menus shall offer a minimum of three different fruits and five different vegetables weekly. Schools should try to serve dark green leafy vegetables or broccoli and/or orange vegetables (high in vitamin A) or fruits three times per week. A Vegetable Guidance List can be downloaded on the Office of Healthy Schools website at www.healthyschoolsms.org

3. Schools shall offer milk choices with a maximum milk fat of ~~2%~~ 1%. Unless USDA Regulations require a lower milk fat content. Flavored nonfat or low-fat, or ~~reduced-fat~~ milk shall contain no more than 160 calories per 8-ounce serving.

4. Schools shall only offer 100% fruit and vegetable juice with no added sugar.

B. Healthy food preparation

1. Schools shall comply with the existing USDA NSLP/SBP meal pattern requirements. This includes meeting the minimum nutrient standards for calories, protein, calcium, iron, vitamin A, vitamin C and the maximum levels of 30% calories from fat and less than 10% calories from saturated fat. **(USDA Food and Nutrition Services or www.fns.usda.gov)**

MINIMUM NUTRIENT AND CALORIE LEVELS FOR SCHOOL LUNCHES SCHOOL WEEK AVERAGES				
	MINIMUM REQUIREMENTS (LEVELS ARE MATCHED TO GRADES OF SCHOOLS)			
NUTRIENTS AND ENERGY ALLOWANCES	Grades K-3	Grades 4-12	Grades K-6	Grades 7-12
Energy allowances (calories)	633	785	664	825
Total fat (as a percentage of actual total food energy)	[1,2]	[1,2]	[2]	[1,2]
Saturated fat (as a percentage of actual total food energy)	[1,3]	[1,3]	[3]	[1,3]
RDA for protein (g)	9	15	10	16
RDA for calcium (mg)	267	370	286	400
RDA for iron (mg)	3.3	4.2	3.5	4.5
RDA for Vitamin A (RE)	200	285	224	300
RDA for Vitamin C (mg)	15	17	15	18

[1] The Dietary Guidelines recommend that after 2 years of age "...children should gradually adopt a diet that, by about 5 years of age, contains no more than 30 percent of calories from fat."
[2] Not to exceed 30 percent over a school week
[3] Less than 10 percent over a school week

2. Schools shall develop and implement a food safety program by July 1, 2005. Every school shall develop a HACCP system plan as required by the Child Nutrition and WIC Reauthorization Act of 2004. **(National School Lunch Act Section 9 (H))** Schools shall update their School Wellness Policy to include a food safety assurance program for all food offered to students through sale or service.

3. Schools shall secure a Food Service Operational Permit through the Mississippi State Department of Health for approval to operate under the National School Lunch/National School Breakfast Program.

4. Mississippi State Department of Health conducts two School Food Facility Inspections per site each school year. The State Agency is required by federal regulations to submit a written report to the United States Department of Agriculture (USDA) Food and Nutrition Service reporting on the number of School Food Facility Inspections conducted per site. **(Child Nutrition and WIC Reauthorization Act 2004, Section15. 9(H), Implementation Memo SP-24)**

5. Schools shall implement healthy school food preparation techniques using training materials developed through sources such as USDA, National Food Service Management Institute or Mississippi Department of Education. Training documentation and assessment records shall be retained for review by Mississippi Department of Education.

6. Schools should limit fried foods whenever possible and practical. Schools shall develop a long range plan for reducing and/or eliminating fried products in their lunch and breakfast menus. The long range plan should include preparation methods using existing equipment and/or goals to replace fryers with combi-oven/steamers as budgets allow. The long range plan (3 years) must be submitted to the Office of Child Nutrition by July 2010 and maintained on file in the school district. The long range plan must include preparations using existing equipment, and/or replace existing fryers with combi-oven/steamers.

C. Marketing of healthy food choices to students and staff

1. Train School Foodservice Administrators, Kitchen Managers, and Cooks in Marketing, New Cooking Techniques, and Garnishing using available or newly developed training tools, such as *Marketing Sense* – Mississippi Department of Education, Office of Child Nutrition

2. Use the Whole School Approach in Marketing the Local Wellness Policy. Administration, faculty, staff, students, and parents need to be solicited to be a part of the implementation of the Local Wellness Policy. Educating the family and the community is crucial to the success of our efforts. Suggestions include:
    a, Establishing Community Partnerships. With these groups on-board with the program, they can provide physical and financial support.
        1) Junior League
        2) Service Organizations (Rotary, Kiwanis, etc.)
        3) Local Community Foundations

    b. Marketing New Foods. Research shows that it takes a number of times for an item to be served before it can be accepted. To facilitate the introduction of a new item, we suggest:
        1) Tasting Parties
        2) Serving Line Sampling
        3) Serving Line Promotion

D. Food preparation ingredients and products

1. School districts shall adopt the Dietary Guideline recommendation that trans fatty acids will be kept "as low as possible".

2. Wherever possible and practical, school lunch and breakfast programs shall include products that are labeled "0" grams trans fat.

3. Schools shall incorporate whole grain products into daily and weekly lunch and breakfast menus based on product availability and student acceptability. School Food Authorities are encouraged to increase the amount and variety of whole grain products and at a minimum must serve at least 1 serving of whole grain products per day on 3 or more days per week (not the same one each day)

E. Minimum and maximum time allotment for students and staff lunch and breakfast periods

1. Schools shall schedule at least a minimum of 24 minutes to ensure an adequate eating time for school lunch. The factors influencing the lunch period are wait time, consumption time, standard deviation/variability and social time.

2. Since school breakfast is not factored into the regular school day, schools should take into consideration the recommended time of 10 minutes for a child to eat school breakfast after they have received the meal.

F. The availability of food items during the lunch and breakfast periods of the Child Nutrition Breakfast and Lunch Programs

1. School districts shall comply with the Mississippi Board of Education Policy on Competitive Food Sales as outlined in the **Mississippi Board of Education Policies**

2. School districts shall update the wellness policy to address limiting the number of extra sale items that may be purchased with a reimbursable meal. This policy will exclude extra beverage purchases of milk, juice and/or water. Schools may want to consider the following options:

> **Example:**
> a. Elementary School – 1 extra sale item other than beverage
> b. Middle School – 1 extra sale item other than beverage
> c. High School – 2 extra sale items other than beverage

3. Schools may sell extra items in individual packages not to exceed 200 calories.

> **Example:** ice cream, baked chips (grain), 100% juice bars, 100% fruit juice, or granola bars, or cereal bars.

4. Schools may sell extra items in portions not to exceed the menu portion serving size.

> **Example:** ½ cup of fruit, ½ cup of vegetable, 2oz. wheat roll or entrees with 2-3 oz. protein.

5. Schools will use marketing, pricing and nutrition education strategies to encourage healthy extra sale selections.

> **Example:**
> a. Healthy selections such as fruit or vegetables priced lower than other selections
> b. Healthy selections positioned in a visibly prominent location
> c. Fun nutrition information marketing the healthy selections

G. Methods to increase participation in the Child Nutrition School Breakfast and Lunch Programs

1. Since school food service operates like a business with income and expenses, adequate marketing ensures a successful program operation. Child nutrition programs are usually highlighted once or twice a year during National School Lunch and Breakfast Weeks. For marketing to be effective, it should occur more frequently. When devising a plan, remember the following:
    a. Define your business.
    b. Define your customers.
    c. Evaluate your plan and budget.
    d. Define your objectives.

2. Family education will be the key to building a healthy future for all Mississippians. Mississippi public schools offer the best resources, facilities and structure to promote family nutrition education.

3. Schools are strongly encouraged to develop academic partnerships with appropriate governmental agencies to offer family nutrition education programs. Family education should be incorporated into each school's Wellness Policy.

4. Schools will promote healthful eating and healthy lifestyles to students, parents, teachers, administrators and the community at school events.

In Summary:

School Nutrition Programs must play a central role in modeling good nutrition. These regulations offer schools a standard for improving the nutritional quality of school meals. These recommendations go above and beyond the established standards for the USDA National School Lunch Program. Healthy eating patterns and adequate nutrients are important for school-aged children to promote cognitive development, prevent health problems and reduce under-nutrition which has been linked to increase behavioral and emotional functioning.

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