

Title: Mathematics Instructor (Middle School Level)

Submit To: Joshua Mercer, Executive Director; email Resume, Sample Lesson, and Cover Letter of interest only at: education@swishdreams.org; teaching certificate required during interview. Call 773.952.6352

JOB DESCRIPTION/POSITION SUMMARY: Swish Dreams is seeking a Middle School Mathematics Teacher to teach a five week program that combines the Illinois Math Learning Standards and ISAT (Illinois Standards Achievement Test; Math, Reading, and Writing) with the game of basketball.

- The Mathematics Goals/Standards that relate to basketball include but are not limited to: Number Sense, Estimation and Measurement, Algebra and Analytical Methods, Geometry, and Data Analysis and Probability. For more info, go to: <http://www.isbe.state.il.us/ils/Default.htm>
- The ISAT subjects that relate to basketball are: Math, Reading, and Writing. For more info, go to: <http://www.isbe.state.il.us/assessment/ISAT.htm>.
- Basketball terminology that relate to Math includes but is not limited to evaluating/calculating averages, ratios, statistics, percentages, word problems, totals, and/or predictions in the following categories: Player Names, Court Dimensions, Scoring, Points, Field Goals, Three-Pointers, Points Per Game, Schedule, Standings, Assists, Rankings, Team/Individual Stats, Draft, Salary, Salary Caps, Rebounds, Offensive Rebounds, Defensive Rebounds, Steals, Blocks, Turnovers, Fouls, Minutes, Free Throws, Attempts, Home/Away Games, Time, Etc. For more info, go to: http://www.nba.com/analysis/rules_index.html.

ABOUT SWISH DREAMS: Swish Dreams seeks to expose children to a "Swish Education," which provides academic, social, and physical enrichment to youth, while integrating the disciplines of Reading and Math with the game of basketball

Our Vision: By exposing children to a "Swish Education," we envision that every child we serve will:

1. **SPORTS:** Play varsity sports in their High School of choice.
2. **EDUCATION:** Graduate College and Pursue a high level career in sports (i.e., professional athlete, sports agent, team owner, athletic trainer, journalist, statistician, general manager, referee, coach, public relations, community relations, etc.)
3. **MENTORSHIP:** Have a life-long mentor and create life long bonds with classmates

Education Requirements: Bachelor's/Master's Degree in Education, Math, or related field

Basketball Knowledge Required: See Attached Glossary

Certificate Requirements: Type 9 w/Mathematics and Middle School Education Endorsement (6th, 7th, and 8th Grades)

Background: Must pass criminal background check

Compensation: \$20 - \$25/hr

Duration: Monday June 28th, 2010 – Friday July 30th, 2010

Days: Weekdays Only (Monday – Thursday; Some Fridays), no work Monday July 5th

Hours: 9:30a – 12:30p

Location: Salem Christian Academy | 1816 S. Indiana | Chicago, IL 60628

Expiration: June 21st, 2010

Mathematics Knowledge Required:

STATE GOAL 6: Demonstrate and apply a knowledge and sense of numbers, including numeration and operations (addition, subtraction, multiplication, division), patterns, ratios and proportions.

STATE GOAL 7: Estimate, make and use measurements of objects, quantities and relationships and determine acceptable levels of accuracy.

STATE GOAL 8: Use algebraic and analytical methods to identify and describe patterns and relationships in data, solve problems and predict results.

STATE GOAL 9: Use geometric methods to analyze, categorize and draw conclusions about points, lines, planes and space.

STATE GOAL 10: Collect, organize and analyze data using statistical methods; predict results; and interpret uncertainty using concepts of probability.

General Duties and Expectations:

- Have experience working in urban education with children or adolescents
- Ability to intertwine Mathematics instruction with the game of basketball
- Monitor and manage students while at lunch
- Help distribute food/beverages to students at lunch

- Exhibit a commitment to creating and being a part of a professional learning community, one that focuses on results and continuous improvement.
- Have experience incorporating themes of basketball into curriculum
- Have evidence of effective lessons / units that demonstrate a purposeful building of reading and writing skills across units and over the course of a year
- Exhibit evidence of proactive, inclusive strategies, utilized with students with special needs.
- Plan lessons that cater to different learning styles and strengths of students.
- Establish and enforce rules for behavior and procedures for maintaining order among the students for whom they are responsible.
- Adapt teaching methods and instructional materials to meet students' varying needs and interests.
- Instruct through lectures, discussions, and demonstrations
- Prepare, administer, and grade tests and assignments in order to evaluate students' progress
- Establish clear objectives for all lessons, units, and projects, and communicate these objectives to students
- Plan and conduct activities for a balanced program of instruction, demonstration, and work time that provides students with opportunities to observe, question, and investigate
- Maintain accurate, complete, and correct student records as required by Illinois laws, district policies, and administrative regulations
- Observe and evaluate students' performance, behavior, and social development
- Prepare materials and classrooms for class activities
- Assign lessons and correct homework.
- Enforce all administration policies and rules governing students.
- Confer with parents or guardians, other teachers, counselors, and administrators in order to resolve students' behavioral and academic problems
- Prepare students for later grades by encouraging them to explore learning opportunities and to persevere with challenging tasks
- Prepare students for sports careers (Including but not limited to GM, Coaching, Athletic Director, Sports Agent, Etc)
- Prepare objectives and outlines for courses of study; follow curriculum guidelines
- Meet with parents and guardians to discuss their children's progress, and to determine their priorities for their children and their resource needs
- Guide and counsel students with adjustment and/or academic problems, or special academic interests

- Meet with other professionals to discuss individual students' needs and progress.
- Prepare and implement remedial programs for students requiring extra help.
- Prepare for assigned classes, and show written evidence of preparation upon request of immediate supervisors.
- Use computers, audiovisual aids, and other equipment and materials to supplement presentations
- Instruct and monitor students in the use and care of equipment and materials, in order to prevent injury and damage
- Prepare reports on students and activities as required by administration.
- Confer with other staff members to plan and schedule lessons promoting learning, following approved curricula
- Collaborate with other teachers and Executive Director in the development, evaluation, and revision
- Administer standardized ability and achievement tests, and interpret results to determine student strengths and areas of need.
- Organize and label materials, and display students' work.
- Select, store, order, issue, and inventory classroom equipment, materials, and supplies.
- Supervise, evaluate, and plan assignments for teacher assistants and volunteers.

