SSAC Course Offerings

Southside STEM & Subject Groups	6th Grade	7th Grade	8th Grade
Language Arts	Language Arts 6 Honors Language Arts 6	Language Arts 7 Honors Language Arts 7	Language Arts 8 Honors Language Arts 8
Mathematics	Math 6 Honors Math 6 or Pre-Algebra 6	Pre-Algebra 7 or Algebra 1*	Pre-Algebra 8 or Algebra 1* or Geometry*
Sciences	Unified Science 6 Honors Unified Science 6	Life Science 7 Honors Life Science 7*	Science 8 Environmental Bridge*
Social Studies	Honors Social Studies	Honors Social Studies 7 (Civics)*	World Geography
Foreign Language	Exploratory Spanish (Semester)	Exploratory Spanish (Semester)	Spanish 1*
Arts **Visual, Performing, and Technology**	Art 6 (Semester) Beginning Band Beginning Chorus Beginning Orchestra Television Production (Semester)	Art 7 (Year Long) Intermediate Band Intermediate Chorus Intermediate Orchestra Television Production	Intro to Art* Advanced Band Advanced Chorus Advanced Orchestra
Design/Career & Technical Education	Future Problem Solving Gateway to Technology (Semester)	Inventions and Innovations (Semester)	Technology Foundations*
Physical Education	Health and Physical Education 6	Health and Physical Education 7	Health and Physical Education 8

Future Problem Solvers: This course is designed to provide students with the opportunity to develop the creative thinking skills necessary to adapt to a changing world. Students will learn specific problem-solving techniques. Future Problem Solving encourages students to employ divergent, flexible, and innovative thinking; it helps students to develop their reasoning ability and to learn the value of obtaining, analyzing, and synthesizing a variety of resources to predict future realities. This course encourages the thinking skills necessary to adapt to a changing world while spanning a variety of disciplines and content areas.

Gateway to Technology: This middle school course, as defined by Project Lead the Way's (PLTW) Gateway to Technology (GTT) program, provides for "the Interest and energy of middle school students while incorporating national standards in mathematics, science, and technology." Only PLTW member schools with approved PLTW teachers are able to offer this course that includes competencies in design, modeling, automation, and robotics.

Inventions and Innovations: Students make models of significant inventions that have advanced society. After studying these developments, they explore contemporary technological problems facing them, their community, or the world and apply a systematic procedure to invent new products or innovations as solutions.

Technology Foundations: In this beginning high school course, students acquire a foundation in technological material, energy, and information and apply processes associated with the technological thinker. Challenged by laboratory activities, students create new ideas and innovations, build systems, and analyze technological products to learn further how and why technology works. They work in groups to build and control systems using engineering design in the development of technology.