

School of Options and Applied Research

Essential Learning Targets

SOAR HS will cultivate independent lifelong learners through customized learning experiences and strong personal relationships.

- * Promote student, family, and community engagement.
- * Develop students that are college/career and life ready by preparing them academically and socially to make positive contributions to an ever changing global society.
- * Demonstrate student ownership and choice in learning pathways which may include PBL, seminars, online classes, NPHS courses, & field studies.
- * Encourage students to take risks in a safe environment and accept failure as a part of the learning experience.

NAME:

This guide will allow the student to track progress towards achieving 26 credits and other requirements necessary for graduation.

Credits Needed To Graduate:

Language Arts	4 credits
Literature/Reading	2 credits
Mathematics	3 credits
Science	3 credits
Social Studies	3 credits
Physical Education	1 credit
Health	0.5 credit
Technology	1 credit
Electives	6.5 credits
School To Work Shadow	1 credit
Senior Capstone Project	1 credit
Total:	26 credits

CREDIT SUMMARY TO DATE

Credits Earned:	
Language Arts	0.00
Literature/Reading	0.00
Mathematics	0.00
Science	0.00
Social Studies	0.00
Physical Education	0.00
Health	
Technology	
Electives	0.00
School To Work Shadow	
Senior Capstone Project	
Total:	0.00

Earning Credit:

A = Advanced	Standards in a class may be met at an advanced, proficient, basic or minimal level.
P = Proficient	Standards met at the advanced or proficient levels will earn credit. An alternate "grade" of Complete may be used to assign credit for standards a student works towards but may not necessarily earn a proficient or advanced on.
B = Basic	
M = Minimal	

Additional Requirements:

- * Full Day Job Shadows - 2 per year (Grades 9-11)
- * Community Service - 20 hours each year (Grades 9-12)
- * Minimum of 1 online course over the 4 years
- * Pass the National Civics Test
- * Application and acceptance at a college, post high school program or the military (don't need to attend)

ELA: Oration & Writing Standards (4 credits)

Credits Earned to Date: **0.00**

Oration and writing skills are essential and will be integrated throughout the projects and seminars completed at SOAR HS. For this reason, students won't complete content classes for ELA but need to demonstrate skills and the application of those skills in the areas of Oration (.25 credit per semester: 2 presentations) and Writing (.25 credit per semester: 2 EOPA's, 2 Annotated Bibliographies, and 2 Research Journals/Documentations will equate to "complete" level, to earn Proficient or Advanced additional writings are required).

CONTENT: ORATION

SKILLS

ELA.OS1	Adapt speech to a variety of contexts and tasks, demonstrating command of formal English.
ELA.OS2	Listen and contribute to development of discussion to stimulate thoughtful and well-reasoned exchange of ideas.

APPLICATIONS

ELA.OA1	Physical command of space including eye contact, gestures, effective movement & vocal engagement.
ELA.OA2	Manage features and tools in presentation to enhance audience engagement and understanding.

EVIDENCE

OS.1
OS.2
OA.1
OA.2

CONTENT: WRITING

SKILLS

ELA.WS1	Compose functional thesis statements.
ELA.WS2	Write accurate, objective research based text. Utilize quotations and/or paraphrasing with citation.
ELA.WS3	Develop / strengthen writing as needed by planning, revising, editing, rewriting or trying new approach.
ELA.WS4	Identify, analyze and use figurative language and rhetorical devices.

APPLICATIONS

ELA.WA1	Present information, findings, & supporting evidence appropriate to purpose and audience.
ELA.WA2	Write informative/explanatory texts to examine and convey complex ideas, concepts, and information clearly and accurately through the effective selection, organization, and analysis of content.
ELA.WA3	Write arguments to support claims in an analysis using valid reasoning and relevant and sufficient evidence from an array of sources.
ELA.WA4	Write routinely over a variety of time frames for a range of tasks, purposes, and audiences.

EVIDENCE

WS.1
WS.2
WS.3
WS.4
WA.1
WA.2
WA.3
WA.4

ELA: Literature & Reading Standards (2 credits)

Credits Earned to Date: **0.00**

Reading and research skills are essential and will be integrated throughout the projects and seminars completed at SOAR HS. For this reason, students won't complete content classes for ELA but need to demonstrate skills and the application of those skills in the areas of Literature and Reading (including Research) for a total of 0.25 credit per semester. Evidence of completion: One book study per semester will be used as an artifact.

CONTENT: LITERATURE

SKILLS

ELA.LS1	Identify diction, syntax, and tone in relation to author's purpose.
ELA.LS2	Determine author's point of view/purpose in a text in which rhetoric is particularly effective.
ELA.LS3	Articulate how overall understanding text, themes and complex characters are developed.
ELA.LS4	Determine meaning of words and phrases used in text, including figurative and connotative meanings.

APPLICATIONS

ELA.LA1	Analyze how style and content contribute to the power, persuasiveness or beauty of the text.
ELA.LA2	Apply knowledge of language to understand how language functions in different contexts, to make effective choices for meaning or style and to comprehend more fully when reading or listening.
ELA.LA3	Analyze impact of specific word choices on meaning and tone, including words with multiple meanings or language that is particularly fresh, engaging or beautiful.
ELA.LA4	Analyze how author's choices concerning how to structure specific parts of a text contribute to its overall structure and meaning as well as its aesthetic impact.

EVIDENCE

LS.1
LS.2
LS.3
LS.4
LA.1
LA.2
LA.3
LA.4

Science

Credits Earned to Date: **0.00**

The categories of study found in science are modeled after categories found in many traditional high school science departments. All SOAR HS students are required to complete the targets within Life Sciences (1 credit) and Physical Science (1 credit). The remaining credit can be earned by completing targets in other science content. In addition, students must be able to demonstrate proficiency in Science Skills and Applications through their projects, work, seminars, etc. Targets completed earning credit beyond the requirement for the content area will be applied to the electives requirement.

SCIENCE SKILLS

SCI.S1	Plan, carry out, analyze and draw conclusions for an investigation and communicate findings.																			
SCI.S2	Can accurately use scientific tools, technology, mathematics, and computational thinking.																			
SCI.S3	Develop and use models.																			
SCI.S4	Construct explanations and/or engage in argument using evidence.																			

SCIENCE APPLICATIONS

SCI.A1	Recognize patterns in the natural world.																			
SCI.A2	Predict cause and effect relationships.																			
SCI.A3	Identify stability and/or change.																			
SCI.A4	Develop real world solutions in connection with science as a human endeavor.																			

REQUIRED LEARNING TARGETS: NEED ALL

CONTENT: LIFE SCIENCE/BIOLOGY

		SCI.S1	SCI.S2	SCI.S3	SCI.S4	SCI.A1	SCI.A2	SCI.A3	SCI.A4
SCI.LS1	Cells: Structure, Function, Organization & Classification								
SCI.LS2	Systems and Cycles								
SCI.LS3	Change Over Time / Adaptations								
SCI.LS4	DNA & Heredity								

CONTENT: PHYSICAL SCIENCE

SCI.PS1	Types, Structure and Interactions of Matter								
SCI.PS2	Wave Properties and Electromagnetic Radiation								
SCI.PS3	Energy								
SCI.PS4	Motion, Momentum, Forces and Gravity								

ADDITIONAL LEARNING TARGETS: NEED 4

ANATOMY

		SCI.S1	SCI.S2	SCI.S3	SCI.S4	SCI.A1	SCI.A2	SCI.A3	SCI.A4
SCI.LS5	Human Body Systems								
SCI.LS6	Diseases and Disorders								

ASTRONOMY

SCI.AS1	Solar System, Universe and Its Stars								
SCI.AS2	Current Findings and Future Possibilities								

CHEMISTRY

SCI.CHEM1	Elements and Periodic Law								
SCI.CHEM2	Chemical Reactions								

EARTH SCIENCE

SCI.ES1	Earth Cycles and Dynamics								
SCI.ES2	Earth Materials and Systems								

ECOLOGY

SCI.EC1	Ecosystems: Organisms, Environment, Human Impact								
SCI.EC2	Natural Resource Use and Management								

PHYSICS

SCI.PHY1	Energy, Electricity and Magnetism						X	X	X
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SCI.PHY2	Fluids								
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Social Studies Standards (3 credits)

Credits Earned to Date: **0.00**

The categories of study found in social studies are modeled after categories found in many traditional high school social studies departments. All SOAR HS students are required to complete the targets within US History (1 credit), World History (1 credit) and Political Science (0.5 credit). The remaining credit can be earned by completing targets in other social studies content. In addition, students must be able to demonstrate proficiency in Social Studies Skills and Applications through their projects, work, seminars, etc. Targets completed earning credit beyond the requirement for the content area will be applied to the electives requirement.

SOCIAL STUDIES SKILLS

SS.S1	Compare and contrast time periods														
SS.S2	Explain the relationship between physical geography and human geography														
SS.S3	Write from multiple historical perspectives and/or defend a historical position														
SS.S4	Discuss and evaluate current events.														

SOCIAL STUDIES APPLICATIONS

SS.A1	Synthesize information from historical charts, graphs, and maps														
SS.A2	Analyze the cause and effects of social, political and economic revolutions														
SS.A3	Analyze political opinions/Formulate and defend a political opinion														
SS.A4	Assess the extent to which conflicts have impacted global relationships														

REQUIRED LEARNING TARGETS: NEED ALL

CONTENT: US HISTORY		SS.S1	SS.S2	SS.S3	SS.S4	SS.A1	SS.A2	SS.A3	SS.A4
SS.US.H1	Immigration, Urbanization, Industrialization, and Progressivism & American Expansionism								
SS.US.H2	American Domestic Issues: Social Movements, Economics Recessions								
SS.US.H3	War and Conflict								
SS.US.H4	Social Upheaval and Conflict in American Society: Defining America and Americans								

CONTENT: WORLD HISTORY

SS.WH1	Prehistory: Factors of Human Migration and Role of Agriculture as Backbone of Early Civilization								
SS.WH2	Organization & Rise/Fall of Early Influential Governments, Empires, Leaders Throughout History								
SS.WH3	Industrialized & Post Industrialized World: Modern Religion, Social Structure & Scientific Principles								
SS.WH4	Global Relationships: Treaties, Alliances, International Organizations, Conflicts & Wars								

CONTENT: POLITICAL SCIENCE

SS.PS1	Structure, Functions and Powers of Government Institutions								
SS.PS2	Constitutional Foundations and Turning Points								

ADDITIONAL LEARNING TARGETS: NEED 2

20TH CENTURY GLOBAL CONFLICT		SS.S1	SS.S2	SS.S3	SS.S4	SS.A1	SS.A2	SS.A3	SS.A4
SS.GC1	20th C Imperialization								
SS.GC2	20th C World Leaders and the Role of Religion in Global Conflict								

GEOGRAPHY

SS.GEO1	Cultural Geography								
SS.GEO2	Physical Geography								
SS.GEO3	Global Interactions								

POLITICAL SCIENCE

SS.PS3	Political Beliefs and Behaviors								
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PSYCHOLOGY

SS.PSY1	Developmental Milestones and Stages of Life								
SS.PSY2	Learning and Conditioning								
SS.PSY3	Mental Health Disorders and Treatments - Nature VS Nurture								

SS. PSY4	Dynamics of Group Interaction						

Mathematics Standards (3 credits)

Credits Earned to Date: **0.00**

The categories of study found in mathematics are modeled after classes found in many traditional high school departments. All SOAR HS students are required to complete all targets within three separate classes for a total of 3 credits. Targets completed earning credit beyond the requirement for the content area will be applied to the electives requirement.

MATHEMATICS SKILLS

MTH.S1	Construct viable arguments using proofs or reason					
MTH.S2	Make sense of story problems and persevere in solving them					
MTH.S3	Reason abstractly and quantitatively					

REQUIRED LEARNING TARGETS: NEED 12

CONTENT: WORKPLACE MATHEMATICS

		MTH.S	MTH.S	MTH.S
MTH.WM1	TBD			
MTH.WM2	TBD			
MTH.WM3	TBD			
MTH.WM4	TBD			

CONTENT: PRE-ALGEBRA

MTH.PA1	Linear equations: Solve using various methods (including fraction busting, decimal equations and checking solutions), solve and understand systems of equations. In doing so you must show mastery of simplifying expressions (order of operations, combine like terms, distributive property, exponents, scientific notation.			
MTH.PA2	Graphing: Graph linear equations ($y=mx+b$), finding slope, and understand connections between patterns, tables, graphs, and rules			
MTH.PA3	Geometric Reasoning: Find perimeter, area, volume and surface area			
MTH.PA4	Basic Triangle operations: Use and apply angle relationships and the Pythagorean Theorem, proportional relationships and similar triangles			

CONTENT: ALGEBRA I

MTH.ALI1	Simplify and rewrite expressions, translating real life situations to equations, exponents			
MTH.ALI2	Linear Functions: interpreting growth and initial value of a function, evaluating the function, systems of equations, solving linear inequalities			
MTH.ALI3	Exponential functions; interpreting; sequences and series, evaluating the function			
MTH.ALI4	Quadratic functions: interpreting, solving and evaluating the function, systems of equations with other families of functions			

CONTENT: ALGEBRA II

MTH.ALI1	Exponential functions and logarithms			
MTH.ALI2	Trig functions: unit circle, trig equations and expressions, graphing trig identities			
MTH.ALI3	Algebraic manipulations; transformations and dealing with rational polynomials			
MTH.ALI4	Graphing/solving systems and quadratics			

CONTENT: GEOMETRY

MTH.GEO1	Right triangle relationships			
MTH.GEO2	Non-right triangle relationships			
MTH.GEO3	Measurements: perimeter, area, volume, angles of polygons			
MTH.GEO4	Probability: find probabilities using various models and find expected value			

CONTENT: PRE-CALCULUS

MTH.PCT1	TBD			
MTH.PCT2	TBD			
MTH.PCT3	TBD			
MTH.PCT4	TBD			

Health & Physical Education Standards (1.5 credits)	Credits Earned to Date: 0.00
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Health Standards must be completed as a requirement for the state of Wisconsin for (.5 credit). In addition, students must demonstrate PE skills (.25 credit) through their activity logs and participation in sports activities (.75 credit).

REQUIRED LEARNING TARGETS: NEED ALL

CONTENT: HEALTH

HPE.H1	Health Promotion and Disease Prevention
HPE.H2	Health Related Decision Making and Goal Setting, Issue Advocation

REQUIRED LEARNING TARGETS: NEED ALL

CONTENT: PHYSICAL EDUCATION SKILLS

HPE.PE1	Movement Competency: Combines/Applies Simple to Complex Movement Patterns
HPE.PE2	Movement Competency: Skill Development/Application in Individual and Team Activities
HPE.PE3	Conceptual Understanding: Develops/Implements Personal Activity Plan
HPE.PE4	Conceptual Understanding: Value of Life Long Physical Activity

CONTENT: ACTIVITY LOGS

HPE.PA1	50 hours OR participation in 2 sports seasons OR 25 hours+1 season (Grade 9)
HPE.PA2	50 hours OR participation in 2 sports seasons OR 25 hours+1 season (Grade 10)
HPE.PA3	50 hours OR participation in 2 sports seasons OR 25 hours+1 season (Grade 11/12)

Technology & 21st Century Skills Standards (1 credit)	Credits Earned to Date:
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Much like the English/Language Arts skills, the Technology standards will be embedded within other content area projects and products.

REQUIRED LEARNING TARGETS: NEED 4

CONTENT: TECHNOLOGY / 21st C SKILLS

TECH1	Empowered Learner Students leverage technology to take an active role in choosing, achieving and demonstrating competency in their learning goals, informed by the learning science
TECH2	Digital Citizen Students recognize the rights, responsibilities and opportunities of living, learning and working in an interconnected digital world, and they act and model in ways that are safe, legal and ethical.
TECH3	Knowledge Constructor Students critically curate a variety of resources using digital tools to construct knowledge, produce creative artifacts and make meaningful learning experiences for themselves and others.
TECH4	Innovative Designer Students use a variety of technologies within a design process to identify and solve problems by creating new, useful or imaginative solutions.
TECH5	Computational Thinker Students develop and employ strategies for understanding and solving problems in ways that leverage the power of technological methods to develop and test solutions.
TECH6	Creative Communicator Students communicate clearly and express themselves creatively for a variety of purposes using the platforms, tools, styles, formats and digital media appropriate to their goals.
TECH7	Global Collaborator Students use digital tools to broaden their perspectives and enrich their learning by collaborating with others and working effectively in teams locally and globally.

Electives (6.5 credits)	Credits Earned to Date: 0.00
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Elective credit may be earned in multiple ways: standards met above requirements in core academic areas, NPBS courses, ITV courses, online courses, advancement in ALEKS, etc.

Elective Coursework

Class	Credit	Grade

Job Shadow/School to Work (1 credit)	Credits Earned to Date:
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TOPIC: JOB SHADOW EXPERIENCES/SCHOOL TO WORK	
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YEAR 1	Two Job Shadows		
YEAR 2	Two Job Shadows		
YEAR 3	Two Job Shadows		
YEAR 4	School to Work Experience		

Senior Year Capstone Experience (1 credit)	Credits Earned to Date:
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TOPIC: Capstone Experience	
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YEAR 4	Capstone Experience		
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Additional Requirements for Graduation	
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REQUIRED LEARNING TARGETS: NEED ALL	
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TOPIC: ONLINE COURSE	
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Complete a minimum of 1 online course.	
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TOPIC: US CITIZENSHIP CIVICS TEST	
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Pass the US Citizenship Civics Test with a score of 65% or better.	
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TOPIC: POST SECONDARY ACCEPTANCE	
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Application and acceptance at college, post high school program, or military.	
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TOPIC: COMMUNITY SERVICE	
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YEAR 1	20 hours (June 1st - May 31st)		
YEAR 2	20 hours (June 1st - May 31st)		
YEAR 3	20 hours (June 1st - May 31st)		0
YEAR 4	20 hours (June 1st - May 31st)		0
			0