

Siksika Outreach School High School Curriculum Guide

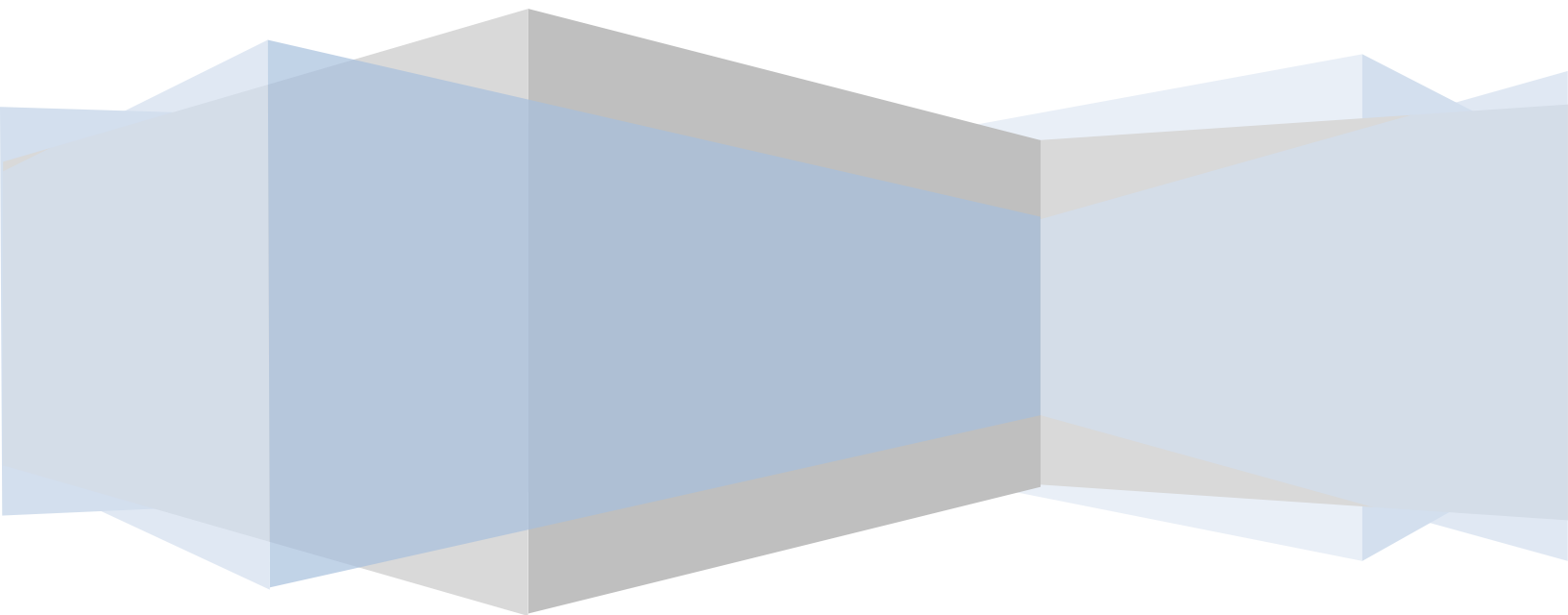


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Siksika Outreach School

Vision & Beliefs

Siksika Outreach School Believes In:

(but is not limited to)

- ✓ Providing an opportunity for all students to receive **quality education**.
- ✓ Reflecting the **values & beliefs** of the community in which we serve.
- ✓ Fostering proactive & **visionary leadership**.
- ✓ Modeling for students the importance of **lifelong learning**.

Vision Statement:

To create a respectful learning environment based on the balance of traditional cultural values & academic excellence.

Siksika Outreach School Principal

After more than 20 years of service to Siksika Education, Mr. Bruce Dobbin is excited to serve as Principal for the Outreach School.

Mr. Dobbin believes that in any education system some students require flexible and unique learning opportunities. Being able to provide that opportunity is rewarding.

“Creating our very own **OUTREACH** school will allow us to strengthen the safety net already in place and enable more students to reach untold dreams”.

Our Mission Statement

We will strive to honour the Seven Teachings of our ancestors:
wisdom, love, respect, bravery, honesty, humility & truth.
Through this holistic approach, our objective is to develop capable and responsible lifelong learners proud of their identity, language, culture and their own achievements.

General Information

The purpose of this registration booklet is to help you select courses at Siksika Outreach School that are suitable to your goals, abilities and degree of preparation. In your planning we encourage you to discuss your program with your parents, teachers and others.

Please study the information provided to become familiar with the requirements for a High School Diploma.

Program Planning

Plan your program by taking into account your past school marks, prerequisites and requirements for a high school diploma. In addition, consider your personal strengths and interests. If you have not done so, take a personal inventory test to help you identify your strengths and interests.

Glossary of Terms

Prerequisites: a student must obtain a standing of 50% or better to proceed to the next course in the sequence. Most grade 11 and 12 courses have a prerequisite course.

Course Sequence: courses in most subject areas form a sequence demanding increased knowledge and skill, eg. Social Studies 10-2, 20-2 or Art 10, 20, etc.

Semester: a five month period of time. There are two semesters – semester one is from late August until the end of January, and semester two is from February until the end of June.

Alberta High School Diploma Requirements

To attain an Alberta High School Diploma, a student must:

- ❖ Earn a minimum of 100 credits
- ❖ Complete and meet the standards of the following courses:

English 30-1 or 30-2

Social Studies 30-1 or 30-2

10 credits in any 30 level courses other than ELA 30-1 or 30-2 and SS 30-1 or 30-2

Math at 20 level

Biology 20 or Chemistry 20 or Physics 20 or Science 24

Complete and meet the standards of the following courses:

Physical Education 10

Career and Life Management (CALM)

10 credits, in any combination, from: Career and Technology Studies **OR** Fine Arts

OR Second Languages **OR** Physical Education 30 **OR** Locally developed/acquired and locally authorized courses in CTS, Fine Arts **OR** Second languages.

Grade 10 Registration

Expectations: High School students are expected to take on a great deal of responsibility. Students who are most satisfied and successful demonstrate two habits:

- 1) Attend regularly. This is a requirement of enrolment.
- 2) Make good program choices. Once you select a course you are expected to complete the course (decide and abide).

Even if you make changes in your overall plan as you move through High School, it is important to plan carefully. It is your future.

You should be aware that graduation from high school does not automatically guarantee entrance to specific post-secondary institution. Information regarding specific entrance requirements can be obtained from our staff or the institutions themselves. Advice is available to assist you with educational and career planning. You and your parents are encouraged to contact your school, if you have any questions.

Core (Academic) Courses

All grade 10 students must register in the following courses. Course load is dependent on student needs and obligations.

- English 10-1 or 10-2
- Social Studies 10-1 or 10-2
- Math 10C, Math 10-3
- Science 10 or Science 14
- Physical Education 10

In some subject areas there are courses of varying degrees of difficulty. Students should realize that no course is “better” than any other. Courses are either suitable or unsuitable in terms of student’s current achievement. A glance at the flow charts for English, Social Studies, Mathematics and Science will confirm that students are not prevented from changing their program level, if their achievement warrants the change. All student programs are individualized and created based on student achievement, needs and obligations.

Complementary (Option) Courses

All grade 10 students must register in complementary courses. Siksika Outreach School offers more than 75+ option courses for students to consider. Please check with staff as to which options courses are available. Please refer to the complete list in this handbook (Page 15).

Registration Summary

- 1) During the school year, school staff will meet with the Grade 9 students to discuss high school programs and courses.
- 2) In April your teachers will look at your progress and make recommendations regarding your grade 10, 11 or 12 placement in each of:
 - (a) English Language Arts
 - (b) Social Studies
 - (c) Mathematics
 - (d) Science.

You will be registered in grade 10, 11 or 12 courses according to your achievement.

- 3) Returning students will meet with school staff in August (or the date of registration for new students) to confirm course placements.
- 4) All student programs are based on student achievement, needs and obligations. All student programs are individualized.

English

The English Program at S.O.S. is composed of two routes: the -1 and the -2 route. The English 10-1, 20-1 and 30-1 route is designed for students who wish to enrol in a degree program at a post secondary institution following high school graduation. The English 10-2, 20-2 and 30-2 route is intended for students who wish to enrol in a diploma program at post-secondary institution or who wish to enter the labour force following graduation. If a student requires academic bridging or upgrading, we will place students in the Learning Strategies courses.

English 10-1 5 credits

Prerequisite > 60% in grade 9 Language Arts is recommended

Reading, writing, speaking, listening, viewing and representing are all integral stands in this course. Outcomes include responding personally, critically and creatively to literature and oral, print visual and multimedia texts. Students create a variety of texts, individually and collectively. Analytical skills are emphasized in this course.

English 10-2 5 credits

Prerequisite: grade 9

Language Arts

This course focuses on the comprehension, interpretation and creation of oral, print, visual, multimedia and literature texts. Individually and collaboratively, students use writing, reading, speaking, listening, viewing and representing to learn and demonstrate learning. Personal and practical writing and improved reading comprehension is emphasized in this course.

English 20-1 and 30-1

These courses are designed to develop student's academic command of language, literature and composition. They take an integrated approach to the development of reading, writing, speaking, listening, viewing and representation skills. Course content includes: poetry, short stories, Shakespearean drama, modern drama and nonfiction and or fiction novels. Considerable time is spent on personal and critical responses to literature, and on text creation. Students are expected to demonstrate learning through oral, written, visual and representation means. The use of technology is emphasized as a learning tool.

English 20-1 5 credits

Prerequisite: English 10-1

This course requires analytical skills as students respond critically, personally and creatively. Texts include oral, print, visual and multimedia materials.

English 20-2 and 30-2

These courses are designed to develop students' skills in using language for a variety of audiences and purposes. They also take an integrated approach to the development of reading. Writing, listening. Speaking, viewing and representing. Course content includes: poetry, short stories, Shakespearean drama, modern drama and nonfiction and or fiction novels. Students are expected to write in personal and fictional styles, and to communicate orally, visually and through the use of technology.

English 20-2 5 credits

Prerequisite: English 10-2

This course employs print, oral, visual, literature and multimedia texts in comprehension, interpretation and creation activities. Students learn and demonstrate learning through writing, reading, speaking, listening, viewing and representing.

Learning Strategies 15 3 credits

Individualized support is offered in all strands of English Language Arts (reading, writing, viewing and speaking) in an attempt to reinforce and build basic skills in English Language Arts.

Mathematics *(Students have access to math 30- 1, -2, and -3 as required)*

Math 10C

Grade 9: mark > 50%

This pathway is designed to provide students with the mathematical understanding and critical thinking skills identified for entry into post secondary programs. Topics include algebra, number measurement, relations and functions, trigonometry and geometry.

Math 10-3

Grade: mark < 50% or on a modified program

This pathway is designed to provide students with the mathematical understandings and critical thinking skills identified for entry into the majority of trades and for direct entry into the work force. Topics include algebra, geometry, measurement, number, statistics and probability.

Math 20-1/30-1 5 credits

Prerequisite: Math 10C

This course is for students that want to enter post secondary programs such as engineering, mathematics, sciences, some business studies, or other programs that require advanced math skills. Topics include sequences and series, quadratics, rational expressions, systems of non linear equations and inequalities.

Math 20-2/30-2 5 credits

Prerequisite: Math 10C

This course is for students wishing to study at the post secondary level in diverse fields, including art programs, civil engineering technology, medical technologies and some apprenticeship programs. Topics include relations, functions and equations, probability, statistics and trigonometry.

Math 20-3 5 credits

Prerequisite: Math 10-3

This course completes the mathematics requirements for an Alberta High School Diploma. This course is for students who want to apprentice to a trade or enter the workforce directly after high school. Topics include finance, geometry, measurement and trigonometry.

Science

[Science 10](#) 5 credits

Prerequisite > 60% in grade 9 science is recommended

This course emphasizes three of the key concepts of science: energy, matter, and change. The four major units are Energy and Matter in Chemical Change, Energy Flow in Technological systems; Cycling of Matter in Living Systems. Successful completion of the course allows the student to go on to Biology 20, Chemistry 20 or Physics 20.

[Science 14](#) 5 credits

Prerequisite: grade 9 science

This is a general science course that is less rigorous than science 10. The course includes a variety of topics including Properties of Matter, Energy Transfer, Living Systems and the Environment. Successful completion of this course allows the student to take Science 24.

[Science 24](#) 5 credits

Prerequisite: science 14

This course provides a less rigorous science program. Topics covered include: Matter and Chemical Change, Energy Conversion Systems: Disease Defense & Human Health: and Motion, Change and Transportation Safety. The science 14/24 sequence allows students to complete the science requirements for a high school diploma.

[Science 20](#)

Prerequisite: Science 10

Combination of science 10 key concepts.

[Science 30](#)

Prerequisite 20

Biology 20 5 credits

Prerequisite: Science 10

The Biology 20 course emphasizes the key concepts of science as they relate to the biological sciences. It consists of four units of study: Energy and Matter Exchange in the Biosphere; Ecosystems and Population changes; Photosynthesis and Cellular Respiration; and Human Systems. This course includes dissection of the heart and fetal pig.

Biology 30 5 credits

Prerequisite: Biology 20

The four units of study in biology 30 are: Nervous and Endocrine Systems; Reproduction & Development; Cell Division, Genetics & Molecular Biology; and Population & Community Dynamics. There is a comprehensive diploma in this class.

Chemistry 20 5 credits

Prerequisite: Science 10

The Chemistry 20 course emphasizes the key concepts of science as they relate to chemistry. It consists of four units of study. The Diversity of Matter and Chemical Bonding; Forms of Matter: Gases; Matter as Solutions, Acids and Bases; Quantitative Relationships in Chemical Changes,

Chemistry 30 5 credits

Prerequisites: Chemistry 20

The Themes of Systems, Energy and Change are in Chemistry 30. This course expands upon the concepts and skills introduced in Science 10 and Chemistry 20. The course consists of four major units: Thermo Chemical Change, Electrochemical Change. Chemical Change in Organic Compounds, and Chemical Equilibrium Focusing on Acid Base Systems. There is a comprehensive diploma exam in this course.

Physics 20 5 credits

Prerequisite: Science 10

The Physics course emphasizes the key concepts of science as they relate to physics. It consists of four units of study: Kinematics, Dynamics, Circular Motion, Work and Energy and Oscillatory Motion and Mechanical waves.

Physical 30 5 credits

Prerequisites: Physics 20

The diversity of matter and energy are the predominant themes of the Physics 30 course. It consists of five units of study: Momentum and Impulse, Forces and Fields, Electromagnetic Radiation and Atomic Physics. There is a comprehensive diploma exam in this course.

Social Studies

Studies provides opportunity for students to develop the attitudes, skills and knowledge that will enable them to become engaged, active, informed and responsible citizens. Recognition and respect for individual and collective identity is essential in a pluralistic and democratic society. Social Studies helps students develop their sense of self and community, encouraging them to affirm their place as citizens in an inclusive, democratic society. First Nations issues, values and beliefs are infused into the curriculum.

Alberta has two different sets of Social Studies courses. Social Studies 10-1, 20-1, and 30-1 are courses designed to prepare students for academic studies at the post secondary level. Social Studies 10-2 and 20-2 and 30-2 are courses designed to complete their academic requirements and obtain a general diploma. Both sets of courses cover similar material, however the 10-1, 20-1 and 30-1 courses analyze the material in more depth, and require stronger skills in reading and writing.

Social Studies 10-1 5 credits

Prerequisite recommended > 60% in Social Studies 9

Social Studies 10-2 5 credits

Prerequisite recommended: Social Studies 9

Students will explore multiple perspectives on the origins of globalization and the local, national and international impacts of globalization on lands, cultures, economics, human rights and quality of life. Students will examine the relationships among globalization, citizenship and identity to enhance skills for citizenship in a globalizing world. The infusion of multiple perspectives will allow students to examine the effects of globalization on people in Canada and throughout the world, including the impact on Aboriginal and Francophone communities. Students will develop skills to respond to issues emerging in an increasing globalized world.

Social Studies 20-1 5 credits

Prerequisite: Social Studies 10-1

Social Studies 20-2 5 credits

Prerequisite: Social Studies 10-2

Students will explore the complexities of nationalism on regional, international and global relations. The infusion of multiple perspectives will allow students to develop understandings of how nationalism contributes to the citizenship and identities of peoples in Canada. Students will develop personal and civic responses to emergent issues related to nationalism.

Social Studies 30-1 5 credits

Prerequisite: Social Studies 20-1

Social Studies 30-2 5 credits

Prerequisite: Social Studies 20-2

Students will explore the origins and complexities of ideologies and examine multiple perspectives regarding the principles of classical and modern liberalism. An analysis of various political and economic systems will show students to assess the viability of the principles of liberalism. Developing understandings of the roles and responsibilities associated with citizenship will encourage students to respond to emergency global issues.

Complementary Courses

- SIKSIKA
- ART/PHOTOGRAPHY
- CALM
- PHYSICAL EDUCATION/RECREATIONAL LEADERSHIP/OUTDOOR ED.
- WORK EXPERIENCE
- MULTIMEDIA/DIGITAL TECHNOLOGY/VISUAL COMPOSITION
- HEALTH & WELLNESS/AGRICULTURE/PLANT PROPAGATION/EQUINE
- FOOD STUDIES
- OFFICE APPLICATIONS
- COMMUNICATION TECHNOLOGY
- FORENSIC SCIENCE
- LEGAL STUDIES
- MENTOR AND LEADERSHIP
- MECHANICS/COSMETOLOGY
- Plus many others

SIKSIKA

Siksika Language and Culture 10/20 5 credits

The aim of this Siksika Language and Culture Program of studies is to have students develop communicative, competence and cultural knowledge, skill and values in Siksika. It is important that the focus be an interaction and meaningful, with special attention and emphasis being given to oral communication. Students will use and apply Siksika in various situations at home, in school and in the community for different purposes. Students will be effective, competent and comfortable as Siksika speakers. Students will live peacefully with Mother Earth, others and themselves, guided by the Creator. Students will know and use various strategies to maximize the effectiveness of learning and communications.

ART

Art 10/20/30 3 credits

This course is designed to be enjoyable and challenging to students with an interest in art. No previous art training is required, but a desire to learn and an enthusiastic attitude are expected. Basic skills in drawing, painting, sculpture and design are developed through a variety of mediums and assignments.

CALM

CALM 20 3 credits

CALM is a compulsory course at the grade 11 level. It is designed to help students build confidence in their ability to deal with the stress of living within a rapidly changing society. This course introduces students to the basic skills essential to a smooth transition into the adult work or post secondary school community. Curriculum content includes goal setting, well being, independent living, relationships, human sexuality, career and the world of work.

Food Studies

Foods 3 credits

This introductory course is designed to provide students with a broad overview of the basic principles of nutrition and food preparation. Emphasis is placed on safety, basic measurement, practical application and technique development. Three modules will be completed by the student.

Foods 5 credits

Students at this level are encouraged to develop additional skills and specialized techniques through an expanded variety of practical experiences are acquired through a practicum in the attached commercial kitchen at S.O.S. These experiences provide students with a stronger foundation of knowledge and skills leading towards a successful entry into the food service/hospitality industry.

Some of the topics include: food and nutrition basics, cakes and pastry, yeast breads and rolls, advanced soups and sauces, creative cold foods, vegetarian cuisine. Fish and poultry, basic meats, food safety and sanitation and international cuisine.

Health and Wellness

In health and wellness, students will examine what it means to be healthy: physically, emotionally and mentally. Students will fully appreciate what being healthy means, and the importance of leading an active living life style.

You will begin by gaining an understanding of the basic structure and function of the human body using medical terminology. We will then move on to learn about the importance of nutrition and hydration for the promotion of good health. In this unit you will evaluate food supplement choices, the effects of activity on nutritional requirements and label reading (what really is in this food we eat).

Once we understand what good health looks and feels like we will move towards understanding some of the chronic conditions that come about because of poor health or lifestyle choices.

This is a great course for anyone who is interested in pursuing a career in medicine, nursing, paramedics, physiotherapy, athletic therapist, nutritionist or any other health related field profession.

Multimedia and Web Design

Multimedia and Web Design 3 credits

Modules are offered in the areas of 3D modeling and animation, 2D graphics creation and Web Design.

Prerequisite: computer literacy is highly recommended.

Free software is used where possible to permit students to work on their home computers. Students are offered a choice of module in the following areas:

- graphics: Adobe Photoshop, Adobe Illustrator
- web: Kompozer, Dreamweaver, Flash.
- 3D, Bryce 3D, Blender 3D.

Physical Education

Physical Education 10 3 or 5 credits

Physical Education 10 is a compulsory course. The course is designed to offer units/modules where the students can participate in a variety of team, dual and individual activities with an emphasis on skill development and fitness.

Participation in the physical education 10 program will assist students to:

- develop skills and participate in athletic activities.
- develop and appreciation of one's own abilities of others.
- develop functional fitness capacities (strength, flexibility).
- participate and develop a desire to be fit.

Physical Education 20 3 or 5 credits

Emphasis in the P.E. 20 program is toward lifetime activities which are intended to promote continued participation after students graduated from high school. The program is based on an active living philosophy of physical education.

Work Experience

Work Experience 3-10 credits

Work experience provides students with the opportunity to explore possible career options, learn job related skills, learn appropriate work related attitudes, and develop responsibility. With the help of the work experience coordinator, students select a work site in the community. Students can earn 3 credits for working 25 hours and 5 credits for working 125 hours. Evaluation is done by the employer and the work experience coordinator. Work experience is limited to a maximum of 15 credits.

Students can also earn one credit in Workplace Safety Systems.

Examples of a few specific CTS course titles

- 1) Community Care Services
 - a) CCS 1080 – Community Volunteerism

- 2) Communication Technology
 - a) Com 1005 – Visual Composition
 - b) Com 1015 – Media
 - c) Com 1035 – Graphic Tools
 - d) Com 1055 – Web Design I
 - e) Com 1105 – Audio/Video
 - f) Com 1205 – Photography – Introduction
 - g) Com 1275 – Digital Processing 1
 - h) Com 2215 – Photography Communication

- 3) Foods
 - a) FOD 1010 – Food Basics
 - b) FOD 1020 – Baking Basics
 - c) FOD 1030 – Snacks and Appetizers

- 4) Human and Social Services
 - a) HSS 1010 – health Services Foundations
 - b) HSS 1030 – Communication for Health Professionals
 - c) HSS 1080 – Leadership Fundamentals I
 - d) HSS 1090 – Speaking and Presenting

- 5) Other Work Experience
 - a) OTHA – Work Experience – 3 credits
 - b) OTH – Work Experience – 5 credits

- 6) NAT – Natural Resources
 - a) WLD 1020 – Wildlife Diversity
 - b) WLD 1130 – Outdoor Survival Skills
 - c) WLD 1050 – People, Culture and Wildlife Heritage

- 7) Environment
 - a) ENS 1010 – Introduction to Stewardship
 - b) ENS 1020 – Fostering Stewardship
 - c) ENS 1040 – Living with the Environment

- 8) Recreation and Leadership
 - a) Recreation & Leadership 1040 – Foundations for Training
 - b) Recreation & Leadership 2010 – Nutrition for Recreation

Life after High School

Planning Guide

Step 1) Meet all the graduation requirements:

- Social Studies at the 30 level.
- English at the 30 level.
- Math at the grade 11 level.
- Science at the grade 11 level.
- PE 10
- CALM 20
- 10 credits on CTS, or a second language or PE or Fine Arts.
- 100 credits

Step 2) Investigate programs and post secondary institutions.

- Begin by using career cruising. This site has an area called “career matchmaker” that is an inventory of questions that may help the student decide what careers they may be interested in. Career cruising also has an area to explore careers and to research education and training.

www.careercruising.com

- Visit post secondary websites and take the virtual tours.
- These days are organized for the institution to show off the work of their students and also to recruit new students.

Step 3) Investigate/research scholarships and bursaries.

- a great place to begin is www.scholarshipscanada.com
- student services here have a hardcopy list of scholarships as well.

Step 4) Apply to post secondary institution

- This is best accomplished online.

STEP 5) COME BACK AND VISIT US!!