

AMERICAN DIVISION

PIONEERS INTERNATIONAL SCHOOL

Development Plan 2020-2025



Pioneers International School
American Division

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American Department Improvement Plan

Pioneers' Improvement Plan has been developed based on the school's visions, missions, and beliefs.

Pioneers Vision

Our vision is to develop future generations of young men and women who have the knowledge and skills to succeed with a thirst for learning and the courage and integrity to face future challenges.

Pioneers Mission Statement

It is our mission to prepare students for success in future careers and assist with achieving their true potential while enabling a deep sense of community service responsibility.

Pioneers Beliefs

We believe that:

- All students can learn.
- Students are unique in their talents and capabilities.
- Students can be self-directed, independent, and life-long learners.
- Students should develop ethical and moral values.
- Students should accept responsibilities for the common good and develop a desire to contribute to those in need.

Introduction

This Development Plan was designed to address certain recommendations by the Pioneers' community. Groups include teachers and staff surveys, students' surveys, parents' surveys, and alumni surveys. The purpose of this Plan is to provide information on how the school plans to respond to the needs recommended and outlines the responsibilities and duties of each personnel and employees. This plan has been customized to meet the specific and unique needs, capabilities and circumstances of Pioneers International School.

Pioneers American Department Strategic Goals

1: LEARNING

- Goal 1.1 STEAM Accreditation
- Goal 1.2 Digital Learning
- Goal 1.3 Implement Technological Curriculum as a credit
- Goal 1.4 ebooks library module on ischool

2: TEACHERS & EDUCATORS

- Goal 2.1 On going Teacher Development

3: COMMUNITY

- Goal 3.1 Create a complementary culture between home and school that reinforces the Mission.

4: FACILITIES AND RESOURCES

- Goal 4.1 Ensure that school facilities support and inspire 22nd-century learning.
- Goal 4.2 Implementing internet in classes

Action Plan

Goal #1.1: STEAM Accreditation

Pioneers wants to ensure that it is preparing its students for careers of tomorrow. And to ensure that educators and curricula continually improve to meet the needs and demands of the real world.

Time Line	To be monitored and assessed yearly until 2025	
Strategies	Persons Responsible	Evaluation
Train teachers to be effective STEAM teachers		
Georgia Tech—— https://pe.gatech.edu/courses/discovering-project-based-inquiry-learning 300 dollars, 1 month. possibility of group discounts. 30 teachers for 6,000. ADVANCED—— STEAMedu---- http://steamedu.com NASA —— http://www.us-satellite.net/endeavor/ 6-9 months done through columbia u Price: \$5,495, includes 9-regionally accredited graduate credits. On site Professional development courses	HOD of science Mrs. Doaa Hussein Mrs. Caroline Nabil Mr. Tarek Shalaby Mrs. Wegdan Marzouk	Classroom observation reports and lesson plans Mrs. Dalia Bishara
Instruct aspiring STEAM teachers on how to apply the findings of the latest research into integrated science pedagogy and blended, project-based learning		

Goal #1.2: Digital Learning

Pioneers understand that digital learning is an opportunity to help every student **learn** at the best pace and path for them. The digital platform allows teachers and instructors to add questions and answers to a pre-built framework which can then automatically be used to interact with multiple students.

Time Line	To be monitored and assessed yearly	
Strategies	Persons Responsible	Evaluation
Interactive software allows students to learn in their own style.	All HODs	Students and Parents Surveys Classroom observations Mrs. Wegdan Marzouk
Internet access devices		
classroom technologies		
e-textbooks		
online learning (or e-learning)		
open educational resources (OERs)		
technology-enhanced teaching and learning		

Goal #1.3: Implement Technology Curriculum

The importance of technology in the school curriculum for every high school students has been strongly advocated. This approach presents technology as an engineering course and as a subset of science. Students will have Hands on today's and Tomorrow's technologies.

Time Line	To be monitored and assessed yearly	
Strategies	Persons Responsible	Evaluation
plan the Technology Curriculum	Mrs. Caroline Nabil	The effectiveness of the implementation process will be evaluated in terms of the intended curriculum, defined by the way technology will be presented by in the syllabi and the teaching materials Mr. Ossama Thabet
appropriate funding to implement the Curriculum		
appoint a person as technology coordinator to supervise the implementation		

Goal #1.4: ebooks library module on ischool

Bringing technology into classrooms has had a positive impact on the quality of education delivered. The aim of eBooks is to simplify and enhance the overall learning experience..

Time Line	To be monitored and assessed yearly	
Strategies	Persons Responsible	Evaluation
ischool coordinator creates a module for library	Eng. Moamen	Mrs. Dalia Bishara
HODs supply library with ebooks for all subjects	All HODs Ms. Mai Elbayar	
Funding the purchase of ebooks	Mrs. Aida Ismail	

Goal # 2.1: Ensure that students receive quality instruction by improving teaching performance.

The conventional view of professional development for teachers needs to shift from technical training for specific skills to opportunities for intellectual professional growth.

Time Line	To be monitored and assessed yearly	
Strategies	Persons Responsible	Evaluation
New teacher-preparation programs to provide educators with the tools and hands-on experience they will need	Mrs. Wegdan Marzouk	Lesson plans and classroom observations Stakeholders surveys HODs of All subjects
Professional development for teachers of science to change how science is taught through the perspectives and methods of inquiry		Observe that students are involved in actively investigating phenomena that can be studied scientifically, interpreting results, and making sense of findings consistent with currently accepted scientific understanding. HODs of Sciences
Ongoing professional development to keep teachers up-to-date on new research on how children learn and emerging technology tools for the classroom.		Lesson plans and classroom observations Stakeholders surveys HODs of All subjects

Goal # 3.1: Create a complementary culture between home and school that reinforces the Mission.

Actively work to keep parents engaged in their child’s education, A growing body of research shows that student success is most dependent on parent involvement

Time Line	To be monitored and assessed yearly	
Strategies	Persons Responsible	Evaluation
Hold a reading day with parents bringing books to read with their child's class.	Mrs. Shahista Sedik	Mrs. Wegdan Marzouk
Involve parents in charity events	Mrs. Dalia Labib Mrs. Eman Badawy	Mrs. Wegdan Marzouk
Career Day for Parents: Invite parents to present talks and/or demonstrations about their specialized knowledge or skills.		

Goal # 4.1: Ensure that school facilities support and inspire 22nd-century learning.

Time Line	Completed by 2025	
Strategies	Persons Responsible	Evaluation
<p>Science/computer for Virtual Lab (for grades 6-7) To enthuse students to conduct experiments by arousing their curiosity and to be able to perform experiments with costly equipment and advanced resources.. This would help them in learning basic and advanced concepts through experimentation.</p>		
<p>Special Specification 25 computers in new Elementary science lab</p> <p>Furniture and Infrastructure needed for computers</p> <p>Interactive board for computer/science lab</p> <p>Funding of the Virtual Lab</p> <p>Purchasing science program</p> <p>Train science teachers on instructing students to use virtual lab</p>	<p>Mr. Ahmed Qasrawy</p> <p>Mr. Ahmed Qasrawy</p> <p>Mr. Ahmed Qasrawy</p> <p>Mrs. Aida Ismail</p> <p>HOD of Chemistry Mr. Tarek Shalaby</p> <p>HOD of Chemistry Mr. Tarek Shalaby</p>	<p>A fully equipped and functioning science/computer lab</p> <p>Mrs. Shahista Sedik</p>

Time Line	Completed by 2025	
Strategies	Persons Responsible	Evaluation
Technology lab		
Increasing awareness of students to the importance of technology in future careers	Mrs. Caroline Nabil	Students and Parents Surveys Classroom observations Mrs. Wegdan Marzouk
Training teachers for using the technology lab and creating the curriculum	Pyramakers Technologies Team	
Designing requirements for the infrastructure for technology lab	Mrs. Heba Nabil	
Funding the technology lab to supply with latest equipment	Mrs. Aida Ismail	
Creating the technology lab to include (robotics- mechatronic engineering- Automotive)	Mr. Ahmed Qasrawy	