International High School of New Orleans

3-YEAR TECHNOLOGY PLAN

Adopted on _____, 20____

International High School of New Orleans 3-Year Technology Plan

School Board and Directors

Name	Title
Shontell Thomas	Chair
Mariska Roney	Vice Chair
Karen Dwyer	Treasurer
Percy Manson	Secretary
Amer Tufail	Member
Gail Lazard	Member
Gail Medford	Member
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Leslie Scott Porter	Member
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Sarah Olivier	Member

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OVERARCHING GOAL: ALL INTERNATIONAL HIGH SCHOOL OF NEW ORLEANS EDUCATORS AND LEARNERS WILL BENEFIT FROM TECHNOLOGY-RICH ENVIRONMENTS THAT SUPPORT STUDENT ACHIEVEMENT AND PRODUCE LIFELONG LEARNERS ABLE TO SUCCEED IN AN INFORMATION SOCIETY.

Action Step 1: Strengthen Leadership

Action Step 2: Improve All Staff Training

Action Step 3: Support E-Learning and Virtual Schools

Action Step 4: Encourage Improved Access and Technology Usage

Appendices

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International High School of New Orleans 3-Year Technology Plan

INTRODUCTION/OVERVIEW

Overview

The International High School of New Orleans provides a full college preparatory curriculum through an accredited International Baccalaureate Program, with an emphasis on world languages, foreign language fluency and intercultural appreciation.

The International High School of New Orleans is the only high school in Orleans Parish to offer the International Baccalaureate Diploma Programme. This ambitious concentration gives our students a distinct advantage over a typical secondary education and allows our students to succeed and excel in a global economy.

IHSNO is a Type-2 Charter School open to all Louisiana residents and operates under a charter granted by the state Board of Elementary and Secondary Education (BESE). The mission of the International High School of New Orleans is to educate and nurture a diverse learning community through the International Baccalaureate Programme, world languages, and intercultural appreciation to succeed in a global economy.

IHSNO promotes an understanding of business, multicultural awareness and foreign language fluency, but prior foreign language skills are not required to apply. We are currently one of the few schools in the United States offering Arabic, French, Spanish and Mandarin, taught by native speakers.   International High School of New Orleans is the only one of its kind for a public high school with this type of focus on global education, foreign language proficiency, and diversity, while remaining reflective of and involved in our local community.

The International High School of New Orleans is committed to equality of educational opportunity. The school does not discriminate in offering access to its educational programs and activities on the basis of race, color, gender, age, national origin, religion creed, disability, veteran's status, sexual orientation, gender identity or gender expression. The Head of School has been designated to handle inquiries regarding the School's non-discrimination policies.

Language Programs

One of the most important and exciting programs at the International High School of New Orleans is the world language program. The world language program includes Spanish, French, Mandarin-Chinese, Vietnamese and Arabic courses. At IHSNO Students are compassionate, productive global citizens who positively impact the world.

Action Steps 1: Strengthen Technology Leadership

Leaders at all levels will support systemic change through transformational leadership while monitoring effective use of instructional technology which supports standards-based school improvement efforts. Leaders will have the necessary tools to support and lead their teams get organized and achieve their goals.

Action Step 2: Improve All Staff Training

All staff will participate in effective professional development to ensure that technology and other educational resources available in schools are being used to enhance student learning.

Action Step 3: Support E-Learning and Virtual Schools

In the past years there has been significant growth in organized online instruction (E-learning) and "virtual" schools, making it possible for students at all levels to receive high quality courses and expand opportunities of instruction personalized to their needs. Due to the pandemic, traditional schools are turning to these services to continue instruction during emergency school closure.

Action Step 4: Improved Access and Technology Usage for Hybrid Learning

Most public schools now have access to high-speed, high-capacity hardware, software, and broadband communications. In addition to the public school's technology, schools are now offering students devices and internet services for virtual learning. However, improved access, usage and integrated, interoperable data systems that are current and well-maintained could empower educators to transform teaching and take learning to a new level.

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Action Steps 1: Strengthen Technology Leadership

Leaders at all levels will support systemic change through transformational leadership while monitoring effective use of instructional technology which supports standards-based school improvement efforts. Leaders will have the necessary tools to support and lead their teams get organized and achieve their goals.

Current Status

- Administrators/Leaders are encouraged and encouraging their peers to use the technology that is provided by IHSNO's technology department.

- Administrators/Leaders are technology proficient and routinely use technology in their day-to-day duties to stay organized and communicate efficiently.

- Technology department routinely attend professional development opportunities that utilize technology and can help further improve the technology infrastructure at IHSNO.

- All faculty have access to a school-issued laptop to facilitate learning, to complete day- to-day duties and to complete school related tasks.

- Technology department have full administrator access and control to student information system to provide assistance and resources to users.

Benchmarks, Target year 2023:

- All International High School of New Orleans administrators/leaders will be technology proficient according to state adopted standards found in the International Society for Technology in Education's National. Standards information can be found at https://www.iste.org/standards

- All current International High School of New Orleans administrators/leaders will participate in leadership professional development offered by the Louisiana Department of Education.

- All current International High School of New Orleans administrators/leaders will use technology to effectively monitor and evaluate all staff and students.

- All newly appointed International High School of New Orleans administrators/leaders will participate in ongoing professional development designed to develop/strengthen leadership skills and provide support during the first years of service.

- All International High School of New Orleans administrators/leaders will routinely model appropriate use of technology resources to support administrative and instructional functions.

- All International High School of New Orleans administrators/leaders will use a variety of emerging technologies (i.e., e-mail, voice technologies, calendar, and School intranet) as primary sources of communication.

- All International High School of New Orleans administrators/leaders will include components of effective technology integration in the development of School improvement plans.

- International High School of New Orleans will use innovative restructuring and reallocation of existing budgets to purchase needed technology and provide access to high quality professional development opportunities.

- International High School of New Orleans administrators/leaders and curriculum specialists will integrate educational technology into the state-mandated *common core standards.*

Strategies:

- Establish and maintain school wide systems of communication that support the effective use of electronic communication.

- Establish a quicker and more efficient communication between the Administrators/Leaders.

- Provide each teacher and administrator with a computer with current technology/software, appropriate training, and resources.

- Conduct a technology needs assessment at the end of each school year and establish a plan for technology professional development for leaders/aspiring leaders for the beginning of the following school year.

- Provide a plan to systematically upgrade equipment which keeps pace with the changing world of technology. (See Spread Sheet at the end for cost)
  - Plan to replace current smartboard and projector to ActivPanel. ActivPanel is similar to a smart board but does not require a projector.
  - Plan to replace 33% of teachers/staff laptops every year to keep up with advancing technology.
  - Plan to replace current students' Windows devices to Chromebook for the next school year.
  - Plan for easy transition to hybird learning in case of school closure.

- Provide a platform to recruit students by showing off IHSNO's success through advertisement, news, and social media accounts.

- New Website and Mobile App by April 2021
    - Estimated Website Cost: $10,000 first year; $5,500 yearly cost
- Social Media (Facebook, Instagram, Twitter)
- Live Update direct to school website.

- Include an indicator that monitors and evaluates not only the use of classroom technology but curriculum integration with technology on required observation, evaluation, or walk-through district forms. Make use of tools and report provide from PowerSchool (SIS) and Schoology (LMS).

- Required use of technology-based applications for maintaining and reporting student grades, attendance records, scheduling, and other necessary record keeping. PowerSchool (SIS) and Schoology (LMS).

- Use PowerSchool's parent portal to provide parents with access to information related to students learning and classroom activities. Move toward web-based lesson plans to communicate more effectively with parents.

- Recommend leaders at all levels to continue to learn advanced part of SIS and LMS to share knowledge with others. Also, give leaders access to certain part of SIS and LMS to be able to share or give other users access.

- Recommend School webpages include homework, weekly content focus of instruction, parent resources to help support curriculum, student products, archived newsletters, and other appropriate information.

- Seek all possible alternative sources of funding through strategic partnering with other programs at the district/School level and grants.
    1. Gustaf W. McIlhenny Foundation
    2. CSX
    3. Selley Foundation
    4. Ella West Freeman Foundation

- Apply for E-rate funding to upgrade wireless infrastructure (i.e., wireless access points, switches, and routers, wiring needs) and security.

Evaluation Strategies and Timeline

Evaluation Strategy	Frequency	Timeline
School Technology Surveys	Annual	Annually
Monitoring of School Improvement Plans as it relates to educational technology leadership	Annual	Spring
Appropriate state and system reports	Annual	July
Budget Reports (federal and/or state grants)	Annual	Fall, Spring
School Technology Planning associated with grant and/or E-Rate applications	Annual	September-March
Technology 3 Year Plan Update	Annually	Fall

Action Step 2: Improve All Staff Training

All staff will participate in effective professional development to ensure that technology and other International High School of New Orleans resources available are being used to enhance student learning.

Current Status:

- All staff participate in professional development opportunities provided by the administration on an ongoing basis during the school year.

- IHSNO utilizes online professional development resources, including the opportunity to obtain technology certifications.

- IHSNO utilizes online professional development resources from vendors that have weekly and/or monthly webinars available to everyone. These resources are shared and made available to everyone who may benefit from the training.

- IHSNO utilizes online lesson plan resources and lesson planning tools focused on integration of technology in the curricula via PowerSchool and Schoology.

Benchmarks, Target year 2023:

- All teachers will engage in professional development activities offered locally, through conferences, and virtually that demonstrate how to integrate technology into the Curriculum.

- All teachers will engage in professional development that includes both online and face-to-face local and state developed professional development opportunities.

- All teachers will participate in professional learning communities that facilitate the integration of technology into student learning. PowerSchool provides PowerSource which allow users to access a database of resources and forums.

- All new teachers will participate in professional development designed to facilitate the integration of technology into instruction and support the establishment of highly qualified teachers in Louisiana.

- All International High School of New Orleans staff will be proficient in the use of technology to enhance student learning.

- All staff will be trained in resources designed to allow students to conduct research using technology safely and effectively.

- All teachers will know how to use data provide from Schoology to personalize/individualize instruction.

- All teachers will participate in technology integrated courses designed to model best practices in integrating technology into the curriculum.

- All staff will receive instructional technology support on an on-going basis from a technology department so that there will be at least one half-time support person to support every 20-30 staff.

- Appropriate support for the assessment, acquisition and implementation of Assistive Technology as outlined in the LA Pupil Appraisal Handbook, Bulletin 1508 will be provided by at least one Assistive Technology Specialist and/or Augmentative Communication Specialist.

- All teachers and teacher preparation faculty will be trained in software that uses technology to perform administrative tasks efficiently.   (i.e., PowerSchool, Schoology, School Messenger, Website Updates)

- Selected teachers and/or staff will participate in Microsoft TEALS training to add a computer science related course into the curriculum in the future.

Strategies:

- Allocate sufficient funds and resources for professional development.

- Provide opportunities for all staff to advance their educational technology knowledge and skills by developing and providing access to professional development programs, funding stipends and substitutes, and providing travel assistance.

  - Yearly Technology Conference

    a. ISTE – $2,000 per person

    b. LACUE - $500 per person

  - Weekly/Monthly Webinar offered from current school Vendor

  - "Teach the teachers" strategy. Create training video from resources from PD to share with other staff members.

    a. Vendor PDs - $500-$1000 per person

- Provide technical troubleshooting training for all staff for self-support. Create a document of "how to" to share with staff to aid with self-troubleshooting.

  - Printer/Copier Troubleshooting

  - Network Troubleshooting

  - Hardware/Software Troubleshooting

- o FAQs

- Utilize e-mail as the official source of communication.

- Encourage all staff to learn and use correct technology vocabulary to determine issue in a timely manner.

- Require all staff complete appropriate technology integration training(s) to become technology proficient.

    - o Technology training checklist during staff PD to be completed.

- Provide teachers with access to appropriate software and hardware to integrate technology into daily instruction to facilitate and enhance student learning.

- Include components of effective technology integration in the development of lesson plans.

- Add a technology strand to teacher/administrator evaluations in line with *Louisiana Components of Effective Teaching* so that technology becomes a seamless part of daily classroom teaching and learning.

- Recommend quarterly technology meetings open to all staff to address any concerns on current technology and how the technology department can improve.

- Send weekly email messages about educational websites, technology lesson plans and resources, and instructional tools every week. Also, can be added to newsletter under technology.

- Provide access to various levels of technology lesson plans and instructional resources (beginner to advanced) within the School.

- Provide access to a School-based Technology Integration Specialist to assist faculty with job-embedded staff development opportunities and needs, classroom modeling, and development of technology integrated curriculum.

- Recommend and support participation in professional organizations (i.e., LACUE, ISTE) by providing financial assistance to staff.

- Utilize state provided tools and evaluation instruments for determining teacher, technology proficiencies.

Evaluation Strategies and Timeline:

Evaluation Strategy	Frequency	Timeline
State Technology Proficiency Self-Assessment	Annual	May
School Technology Plan associated with grant and/or E-Rate applications	Annual	
Certificates or sign in sheets showing participation in all staff professional development opportunities.	Ongoing	Fall, Spring, Summer
Appropriate state and system reports	Annual	July

Action Step 3: Support E-Learning and Virtual Schools

In the past years there has been significant growth in organized online instruction (E-learning) and "virtual" schools, making it possible for students at all levels to receive high quality courses and expand opportunities of instruction personalized to their needs. Due to the pandemic, traditional schools are turning to these services to continue instruction during emergency school closure.

Current Status

- IHSNO transition to a hybrid learning model for the 2020-21 school year due to the ongoing pandemic.

- IHSNO utilizes synchronous learning for in class and off campus student throughout the school week.

- IHSNO utilizes Zoom for live classroom instructions for all students. Zoom class are recorded and stored for access.

- IHSNO implemented a new learning management system, Schoology, to deliver online educational courses all in one suite.

- IHSNO implemented a new student information system, PowerSchool, to manage student data that also allow parents to track student's progress.

- All IHSNO's teachers are assigned webcam and voice amplifier to assist in virtual learning.

- All IHSNO's students are offered a school assigned laptop and hotspot for virtual learning.

- All IHSNO's student has access to technology tickets system for technology support. Tickets are monitored throughout the day to ensure there are not any interference with student learning.

Benchmarks, Target Year 2023

- All IHSNO's teacher will be provided additional resources and webinar by vendors that will expand their knowledge on in class usage of LMS and SIS.

- All IHSNO's leaders will be provided additional resources and free webinar by vendors that will expand their knowledge on using the LMS and SIS to its full potential.

- All IHSNO's staff will have taken at least one online course for professional development provided by the school, region, or state.

- Provide an opportunity for all staff to received Google Suite training and become Google certified.
    - Google Educator Cost: $10-30 per exam depending on level
- The Academic Leaders and supervisors will provide high quality professional development to teachers to develop online instructors for teachers and students.
- All School administrators will be trained to use online professional development either as a student or instructor.
- The Academic department will continue to expand course offerings based on needs (including advanced placement courses and dual enrollment courses) through virtual learning.
- Establish an online library with eBooks and eTextbook available for all staff and students.
- Establish an archive of recorded virtual classes from Zoom for student access.

Strategies

- Information Technology will inform School administrators, teachers, and students of virtual school learning opportunities offered from Schoology and PowerSchool.
- Allocate funds and resources for virtual learning.
- Create virtual learning opportunities that support goals and benchmarks provided by the state.
- Create virtual and in class learning opportunities through major companies to allow students a chance for advanced instructions. (TEALS – Microsoft Program)
- Allocate sufficient funds and resources for high quality professional development and technology support personnel for training personnel in using and creating virtual opportunities and resources.
- Information Technology will encourage teachers and staff to participate in state initiatives that provide virtual learning experiences.
- Information technology will provide after-hour assistance for virtual learning related issues.
    - Afterhours remote tech support for students who contacted the IT department.
    - Afterhours onsite tech support for student who have contacted and scheduled appointment.

- Collaborate with School policymakers and community members to secure annual funds to support virtual learning.

- Collaborate with teachers to find way to improve synchronous and virtual learning.

Evaluation Strategies and Timeline

Evaluation Strategy	Frequency	Timeline
Enrollment and course offerings numbers	Annual	Fall, Spring
College units awarded to students enrolled in dual-enrollment courses	Annual	June
Carnegie Units awarded by LVS or other providers	Annual	June

Action Step 4: *Improved Access and Technology Usage for Hybrid Learning*

Most public schools now have access to high-speed, high-capacity hardware, software, and broadband communications. In addition to the public school's technology, schools are now offering students devices and internet services for virtual learning. However, improved access, usage and integrated, interoperable data systems that are current and well-maintained could empower educators to transform teaching and take learning to a new level.

Current Status:

- All IHSNO's classrooms are equipped with a necessary technology equipment for instruction.
    - Dedicated access point in each class for wireless connection.
    - Smartboard and projected for in class use.
    - VoIP

- All IHSNO's staff are assigned technology for instruction and daily work.
    - Laptops (All Staff)
    - Cell Phones (Admins)
    - Hotspots (Admin)
    - Voice Amplifier (All Teachers)

- All IHSNO's student are offered technology for virtual school.
    - Mobile hotspot for at home internet connection.
    - Windows netbook for school-related usage.

- IHSNO's network utilized Cisco Umbrella which provides the first line of defense against threat in the school network.

- IHSNO's admin utilized Carbonite Cloud Backup for devices and server backups.

- IHSNO's technology department collaborate and is supported by ICT Computers (IT Solution Provider) for technology needs and services.
    - Network Troubleshooting
    - E-Rate project support and planning
    - Onsite/Offsite technology support

- Training opportunities and sharing of information on E-Rate and other funding resources to help with broadband and network support are available.

- Integrated data systems provide educators with access to (1) School performance data and analysis tools, (2) different type of student-level data, and (3) resources to assist in the analysis and use of data.

Benchmarks, Target Year 2020:

- Technology department will upgrade 33% of all students and staff laptop every year to keep a 3-year cycle of devices.
  - Transition to all Chromebook for students' devices for 2021-22 SY (400 devices)
    - ChromeBook with License: $250
    - Total Estimated Cost: $100,000
  - Staff laptop Cost Yearly (33% of staff count)
    - Windows Laptop: $500-$1000
    - Total Estimated Cost (20 Devices): $10,000-$20,000
- IHSNO will assemble a computer lab that is capable of hosting computer science and video editing courses.
  - 25 High Performance Desktop: $25,000
  - Furniture: $15,000
  - Others Expense: $10,000
- IHSNO will have upgraded broadband capabilities available to the end user for data management, online and technology-based assessments, e-learning, and accessing high-quality digital content through E-Rate funds.
  - 50 Access Points: $35,000
  - 4 PoE Switches: $12,000
  - Estimated License Costs: $5,000-$10,000 3-Years.
- Appropriate assistive/adaptive technology will be available to address the unique requirements of persons with special needs.
- Every student and staff will receive high-quality technical support to manage and maintain devices and safe use of IHSNO's networks.
- IHSNO will adopt a new Technology Acceptable Use Policy. The policy will address online safety, Fair Use, intellectual property, and privacy issues with devices assigned from the school.
- International High School of New Orleans will establish recurring funding for technology through the help of grants and budgeting.

- International High School of New Orleans will allocate funds to maximize technology resources. IHSNO will explore recycle or buyback programs to move unwanted equipment.

- All students will use age-appropriate technology to conduct research, to solve problems, to analyze data, to collaborate, and to communicate with experts and peers.

- IHSNO will fully utilize all features from security vendors to improve defense from threats outside the school network.

Strategies:

- Participate in E-Rate offer by the state to allocate funds available for improvement of technology at IHSNO.

- Participate in state contract purchasing opportunities that support School systems.

- Seek local funding and grants with CoS and grant writer for technology.

- Seek federal, state, and corporate grant funding with CoS and grant writer for technology funds.

- Track bandwidth utilization to improve school network environment around campus.

- Continue to expand the computer education courses of study for students.

- Use data from both administrative and instructional systems to understand how relationship between decisions, allocation of resources and student achievement.

- Adopt and revise as needed content filtering per CIPA.

Evaluation Strategies and Timeline:

Evaluation Strategy	Frequency	Timeline
Report tracking bandwidth utilization	Annual	June
School technology plan updates	Annual	December
Classroom observation and Monitoring	On-going	Spring, Fall

Estimated 3 Year In-Class Technology Cost

3 Year In Class Technology Expenses							
Year 1			**Year 2**			**Year 3**	
ChromeBooks (500)			**ChromeBooks**			**ChromeBooks**	
Avg. Cost Per	$ 250.00		Avg. Cost Per	$ 250.00		Avg. Cost Per	$ 250.00
Total Need	400		Total Need	50		Total Need	50
Total Yearly Cost	$ 100,000.00		Total Yearly Cost	$ 12,500.00		Total Yearly Cost	$ 12,500.00
Staff Laptops (33%)			**Staff Laptops (33%)**			**Staff Laptops (33%)**	
Avg. Cost Per	$ 600.00		Avg. Cost Per	$ 600.00		Avg. Cost Per	$ 600.00
Total Need	20		Total Need	20		Total Need	20
Total Yearly Cost	$ 12,000.00		Total Yearly Cost	$ 12,000.00		Total Yearly Cost	$ 12,000.00
Computer Lab Desktop (31)			**ActivePanel (31)**			**ActivePanel (31)**	
Avg. Cost Per	$ 1,000.00		Avg. Cost Per	N/A		Avg. Cost Per	$ 4,000.00
Total Need	25		Total Need	N/A		Total Need	31
Total Yearly Cost	$ 25,000.00		Total Yearly Cost	N/A		Total Yearly Cost	$ 124,000.00
ActivePanel (31)			**Estimated Total Cost by Year**				
Avg. Cost Per	N/A		Year 1	$ 137,000.00			
Total Need	N/A		E-Rate	$ 47,000.00			
Total Yearly Cost	N/A		Year 2	$ 24,500.00			
			Year 3	$ 148,500.00			
Meraki Switch (Cat 2 E-Rate)							
Avg. Cost Per	$ 3,000.00		**Total Cost Over 3 Years**	$ 310,000.00			
Total Need	4						
Total Yearly Cost	$ 12,000.00						
Meraki APs (Cat 2 E-Rate)							
Avg. Cost Per	$ 700.00						
Total Need	50						
Total Yearly Cost	$ 35,000.00						

APPENDIX A

International High School of New Orleans

SYSTEM REVIEW ASSURANCE

By signing this form, you confirm that your School board reviewed and approved the system technology plan for 2021-2024. This signed form is to be included with the system technology plan at the time of its submission to the State Department of Education.

WE HEREBY ACKNOWLEDGE THIS _____ DAY OF _____, 202___, THAT WE HAVE

REVIEWED AND APPROVED THE TECHNOLOGY PLAN FOR INTERNATIONAL HIGH SCHOOL OF NEW

ORLEANS.

_____

HEAD OF SCHOOL

_____

SCHOOL BOARD PRESIDENT

APPENDIX B

International High School of New Orleans

SCHOOL REVIEW ASSURANCE

By signing this form, you confirm that you were issued a copy of the system technology plan for 2021-2024.

WE HEREBY ACKNOWLEDGE THIS _____ DAY OF _____, 202__, THAT WE HAVE
REVIEWED

AND APPROVED THE SYSTEM TECHNOLOGY PLAN FOR INTERNATIONAL HIGH SCHOOL OF NEW
ORLEANS

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_____ _____
PRINCIPAL

APPENDIX C

International High School of New Orleans

TECHNOLOGY PLAN DEVELOPMENT TEAM MEMBERS

List the names and occupations of team members serving on your system's Technology Plan Development Team.

NAME	OCCUPATION
Khang Vo	IT Manager
David Lewis	IT Support Tech