

Jacksonville High School



# HEALTH SCIENCES ACADEMY



**"PRESCRIPTION FOR SUCCESS"**

**Inception of the JHS Health Sciences Academy (HSA) began in the late fall of 2005.**



**One of several small learning communities at JHS, the HSA is for students interested in a field such as medicine, dentistry, veterinary medicine, radiologic technology, rehabilitative therapies, and nursing.**

**Students participating in  
the HSA will be able to:**



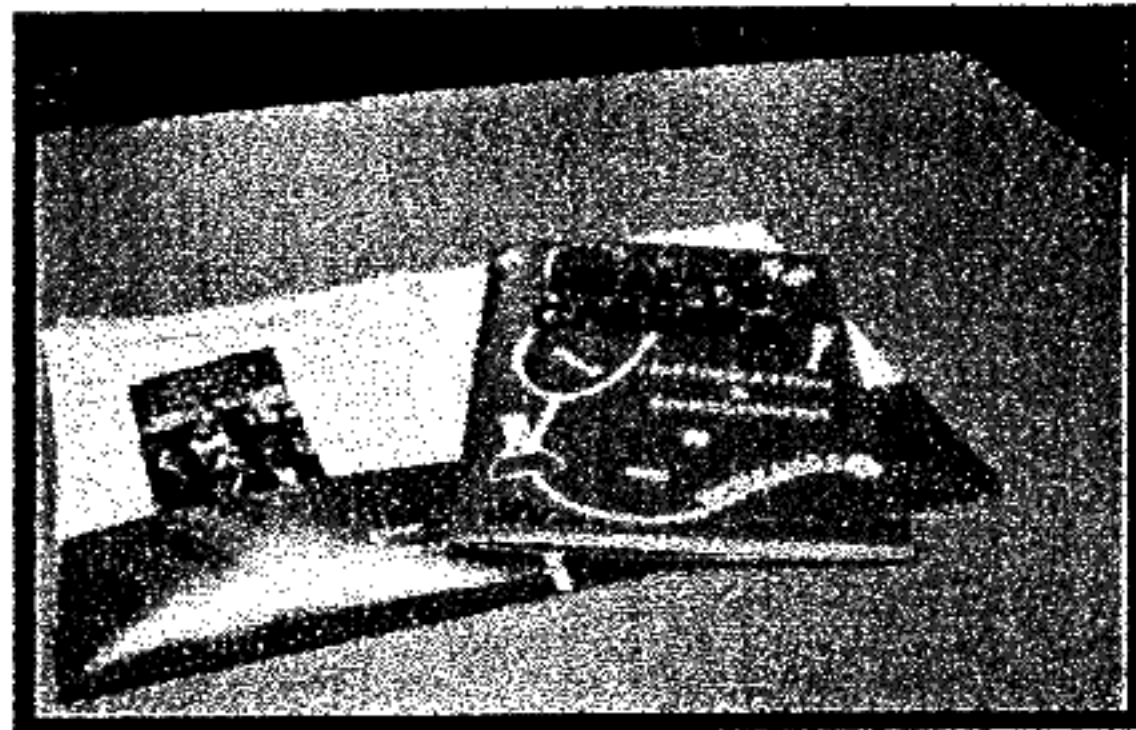


- **Make health career decisions suited to their individual needs, aptitudes, abilities, and career objectives**

- **Gain real-life experiences through participation in off-campus student medical internships and shadowing**



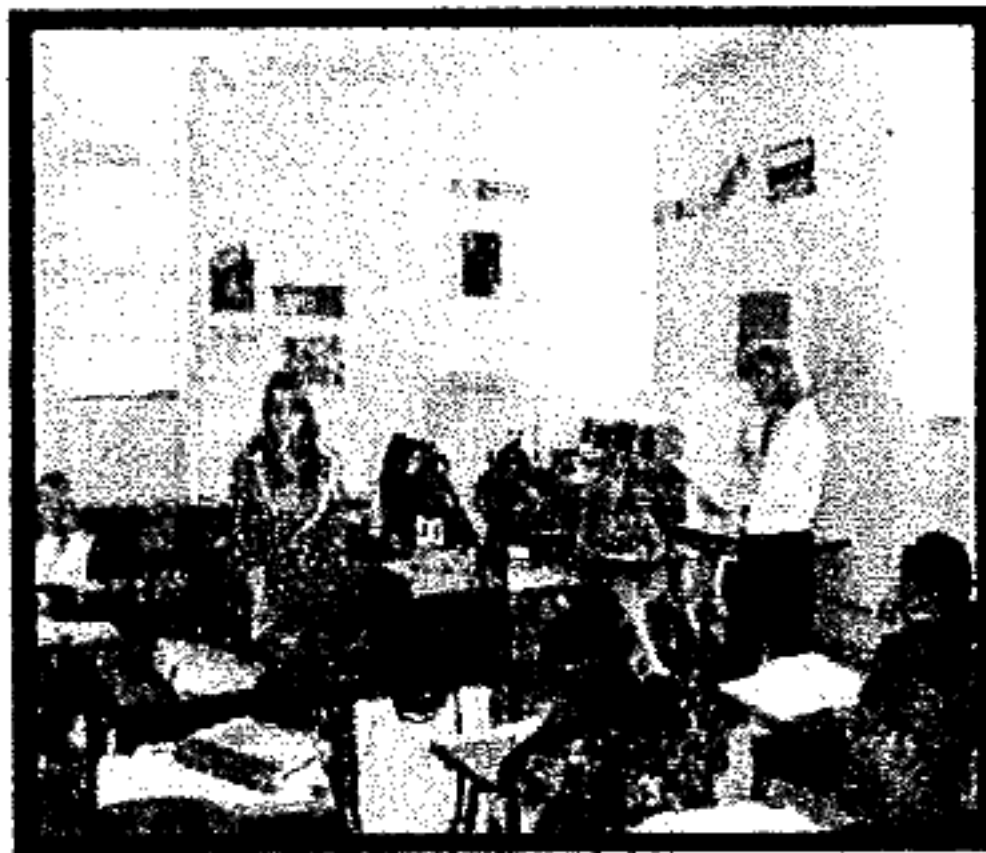
- **Develop a foundation that supports successful pursuit of post-secondary education and/or entry-level employment in a globally competitive world**



- **Establish healthy lifestyle behaviors**



- **Master essential skills through a rigorous and challenging curriculum.**



## **HSA Staff Roster**

### **2008/2009 Academic School Year**

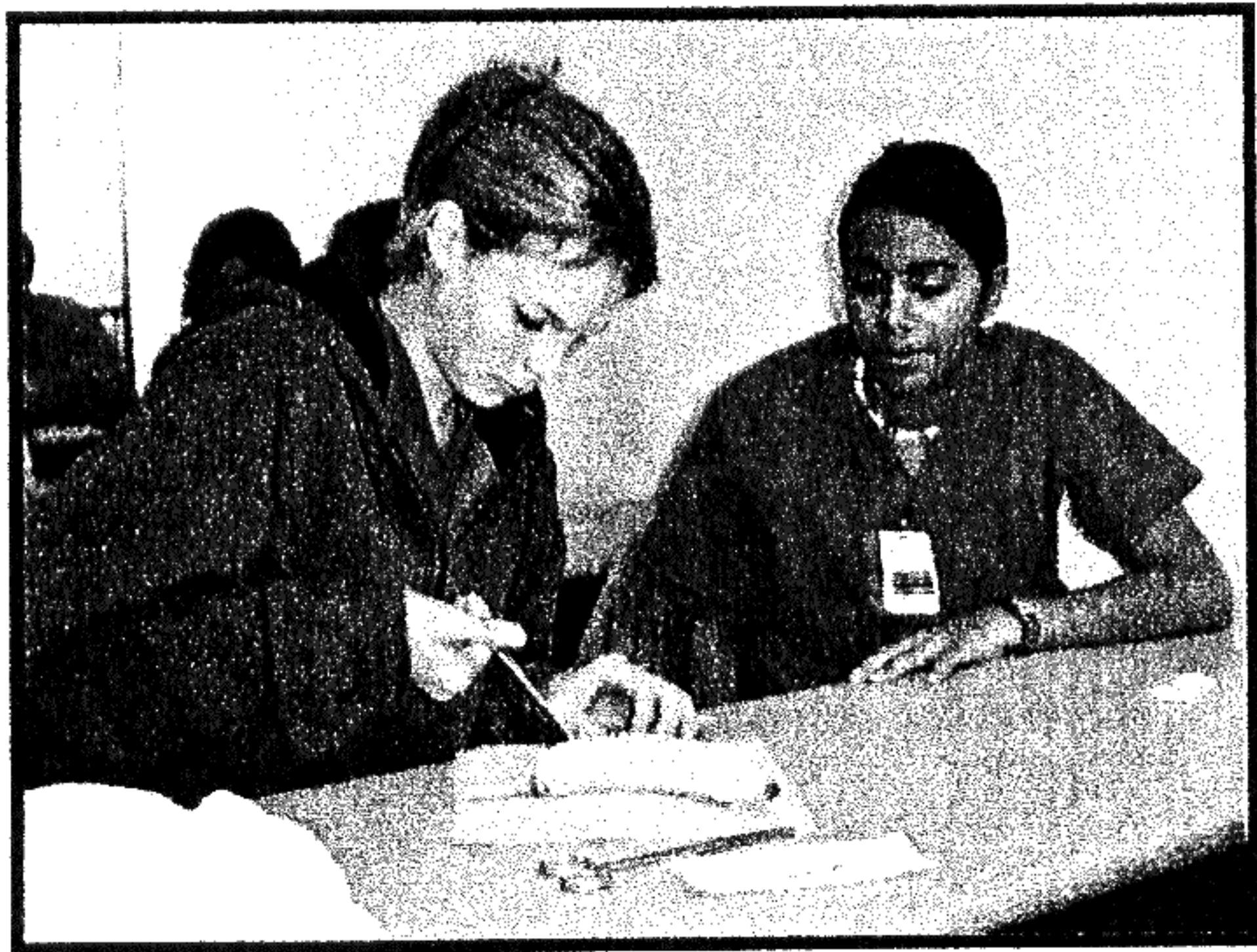
- **Lee Moren, HSA Administrator**
- **Nadia Lewis, CDF, HSA Director**
- **Lori Benson , HSA Counselor**
- **Debera Allen (Science Dept.)**
- **Sandra Besper, M.S., M.A., B.S.N., R.N. (Health Occupations)**
  - **Tabitha Dickerson (English Dept.)**
  - **Dr. Nelson Hare (Science Dept.)**
  - **Michelle Heatherly (Math Dept.)**
- **Pablo Ribadeneira (Family & Consumer Science)**
- **Demetra Sholar, R.N., B.S.N. (Health Occupations)**

# HEALTH SCIENCE COURSES AVAILABLE

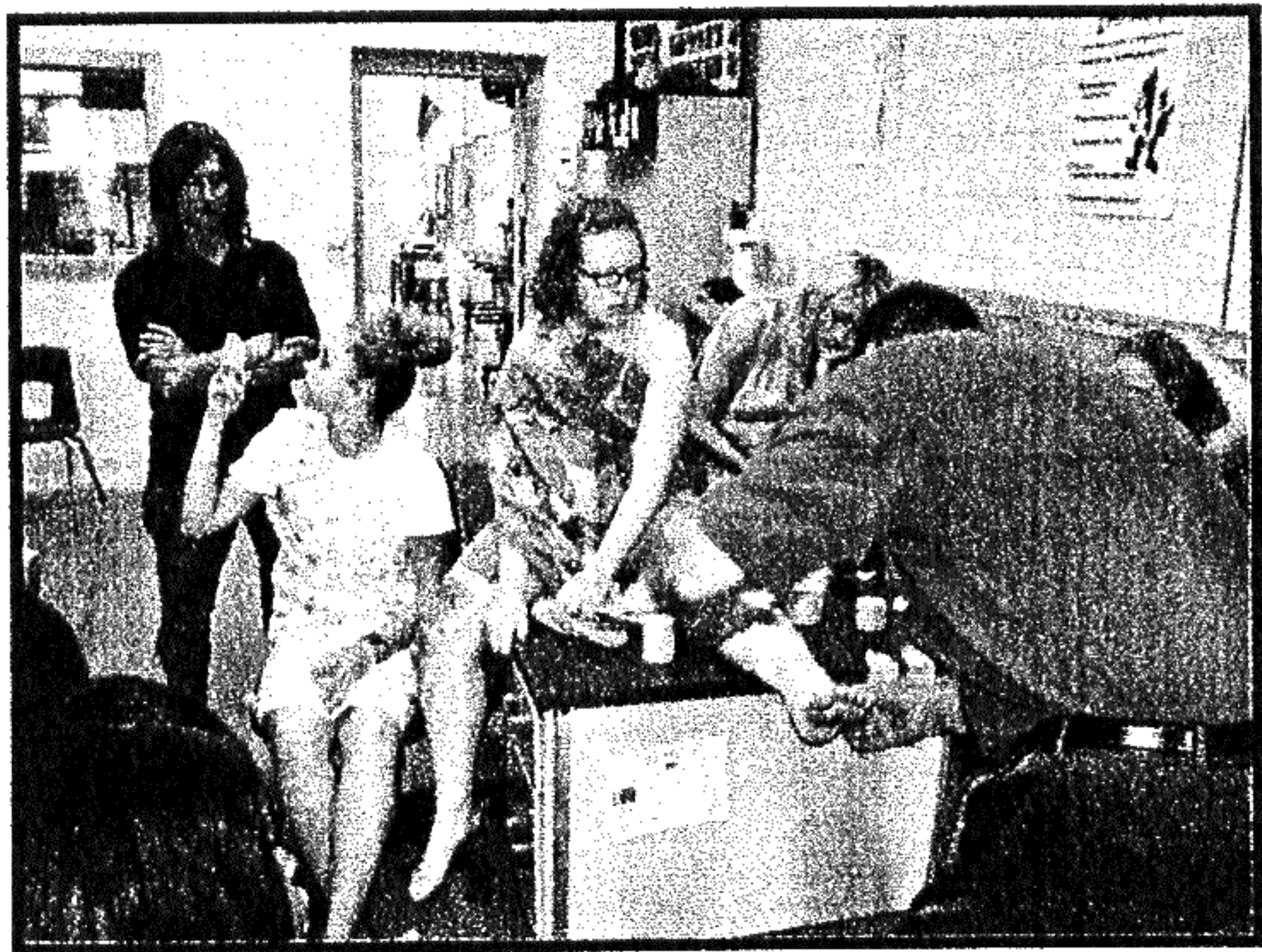
- **Health Team Relations** – This course is designed to assist potential health care workers in their role and function as health team members.
- **Biomedical Technology** – This survey course challenges students to investigate current and 21<sup>st</sup> century medical and health care practices using computerized databases, the Internet, media, and visiting health team professionals.



- **Allied Health Science I** – This course investigates the health professions and related sciences.
- **Allied Health Science II** – This course is designed to prepare potential health care workers, preferable seniors, to become effective multi-skilled health team members. The work-based learning strategy appropriate for this course is a minimum 75-hour clinical internship where student interns job shadow in health care in local hospitals, medical/dental/veterinarian offices, nursing/convalescent/retirement facilities, wellness center, etc.



- **Medical Sciences I** – This course uses advanced investigative approaches to the study of human and social sciences as related to medicine and health care.
- **Medical Sciences II, and Medical Sciences II (H)** – This specialized course is designed to prepare potential health care workers, preferably seniors, for performance in an advanced technical or professional health career. Work-based learning strategies include the development of individualized clinical skills specifically related to a selected mentorship (minimum of 45 hours) with an exemplary health professional.



### **Health Sciences Advanced Studies –**

This culminating course is for seniors who are career-focused in a health or medical career. Three parts of the course include a research paper, a product, and a presentation. Students work under the guidance of a teacher-facilitator in collaboration with community members, business representatives, and other school-based personnel.





**POSSIBLE CERTIFICATIONS  
AVAILABLE TO  
*QUALIFIED*  
HEALTH  
OCCUPATION SENIORS**

## **THINKING OF BECOMING A CNA? Nurse Aide, Level I Certification**

**A student may acquire Nurse Aide Level I certification *if* the student successfully completes selected core competencies in Allied Health Science I, Allied Health Sciences II and supplemental competencies identified in the state approved Nurse Aide, Level I curriculum. *A drug screening, criminal background check, and up-to-date shot record (at the student's expense) are also required.* Following successful completion of Allied Health Sciences II students must score at least 85 percent on a written examination and 100 percent on a performance assessment.**

## **WHAT ABOUT BECOMING A PHARMACY TECHNICIAN?**

**This rigorous on-line course is designed to prepare students for entry-level employment as a pharmacy technician. Included in the course is a clinical experience. *Prior to clinical placement, a drug screening, criminal background check, and up-to-date shot record (at the student's expense) are required.* Upon completion of the course, students will take the exam required by the State of North Carolina for certification as a pharmacy technician. This course is offered in conjunction with Medical Sciences II or within Advanced Studies.**

# JHS Health Sciences Academy

- ***Prescriptions to Follow***
  - **College/University Diploma**
    - **Typical**
      - Fine Arts
      - Non Fine Arts
    - **Advanced Placement**
      - Fine Arts
  - **College Tech Prep**





# Typical College Prep Student

	9th	10th	11th	12th
English (4)	I	II(HSA)	III	IV
Math (4)	Algebra I	Geometry	Algebra II	AFM/Pre-Calc
Science (3)	Earth/Env	Biology/Physical Science	Chemistry/Biology	Physics/Chemistry
Soc. Studies (3)	World H	Civics	US History	Psychology
Elec/For Lang (2)	Dig Com	Comp Apps I	Foreign Language I	Foreign Language II
Physical Ed. (1)	H/PE	Elective	Anatomy & Physiology	CCCC
Electives	Career Management	Elective	Elective	Allied Health II
HSA	Health Team Relations	Biomedical Technology	Allied Health I	Allied Health II



# College Prep – Fine Arts

	9th	10th	11th	12th
English (4)	I	II(HSA)	III	IV
Math (4)	Algebra I	Geometry	Algebra II	AFM/Pre Ca
Science (3)	Earth/Env	Biology/Physical Science	Chemistry/Biology	Chemistry/Physics
Soc. Studies (3)	World H	Civics	US History	Fine Arts
Elec/For Lang (2)	Fine Arts	Dig Com	Foreign Language I	Foreign Language II
Physical Ed. (1)	HVPE	Fine Arts	Fine Arts	Fine Arts
Electives	Career Management	Fine Arts	Fine Arts	Allied II
HSA	Fine Arts	HTR or Biomedical Tech	Allied I	Allied II



# College Prep - AP

	9th	10th	11th	12th
English (4)	I(H)	II(H)(HSA)	III(H)/III AP	IV-AP
Math (4)	Geometry(H)	Algebra II(H)	Pre Calculus	Calculus AP
Science (3)	Biology (H)	Chemistry (H)	Earth/Env Sci AP	Physics(H)
Soc. Studies (3)	World H(H)	Civics(H)	US History (H)	US History AP
Elec/For Lang (2)	Dig Com	Foreign Language I	Foreign Language II	Foreign Language III
Physical Ed. (1)	H/PE	Chemistry AP	Anatomy & Physiology	Physics AP
Electives	Career Management	Comp App I	Biology AP	Elective
HSA	HTR or Biomedical Tech	Medical Science I	Elective	Medical Sciences II



# College Prep – AP (Fine Arts)

	9th	10th	11th	12th
English (4)	I (H)	II (H)(HSA)	III(H)/III AP	IV-AP
Math (4)	Geometry(H)	Algebra II(H)	Pre Calculus	Calculus AP
Science (3)	Biology (H)	Chemistry (H)	Earth/Env Sci AP	Physics(H)
Soc. Studies (3)	World His(H)	Civics(H)	Fine Arts	US History (H)
Elec/For Lang (2)	Fine Arts	Foreign Language I	Foreign Language II	Fine Arts
Physical Ed. (1)	H/PE	Fine Arts	Anatomy & Physiology	Physics AP or Biology AP
Electives	Fine Arts	Fine Arts	Fine Arts	Fine Arts
HSA	HTR or Biomedical Tech	Chemistry AP	Allied Sci I or Med Sci I	Med Science II



# College Tech Prep

	9th	10th	11th	12th
English (4)	I	II (HSA)	III	IV
Math (3)	Algebra I	Tech Math I	Tech Math II or Geometry	Alg II or Geometry (optional/highly recommended)
Science (3)	Earth/Env	Phys Sci	Biology	Pre-Chemistry (highly recommended)
Soc. Studies (3)	World H	Civics	US Hist	Psychology
Career/Technical (4)	Career Management	Dig Com	Comp Apps I	Comp Apps II
Physical Ed. (1)	H/PE	Elective	Anatomy & Physiology	CCCC
Electives	Teen Living	Parent/Ch	Foods I	Allied II
HSA	Health Team Relations	Biomedical Technology	Allied I	Allied II

*Jacksonville High School*

## **HEALTH SCIENCES ACADEMY**

### *"Affirmation of Professional Commitment"*



*"I promise to pursue diligently my education and training in the health sciences.*

*To respect and value my educators;*

*To be tolerant, compassionate, and honest;*

*To respect, support, and encourage my fellow classmates;*

*To adhere to the academy's honor code;*

*To behave well and honorably throughout my educational career,*

*And to always strive to be worthy of the privilege of being in the Health Sciences  
Academy*

*And to never abuse this privilege bestowed upon me."*