



## **South Carolina Health Science Education Steps in Developing a New Health Science Program or Expanding an Existing Program**

1. Survey community healthcare resources.
2. Recruit an advisory committee.
3. Establish partnerships with healthcare professionals, representatives from institutions of higher learning, and local healthcare industries.
4. Review health science education program standards.
5. Plan public relations and recruitment strategies.
6. Hire a qualified teacher(s).
7. Determine course offerings.
8. Establish work-based learning business partnerships.
9. Allocate classroom and laboratory space.
10. Purchase equipment and instructional materials.
11. Develop curriculum guidelines based on advisory committee recommendations.
12. Identify program evaluation components using the Office of Career and Technology Education Quality Review Measures.

### **Student Selection**

One of the most important factors in the success of any health science education program is the quality of students selected for the program. Every student selected should have a strong interest in a career in the health professions. Aptitude, interest, and abilities should be carefully evaluated in all applicants along with information from the students' interest inventories and individual graduation plans (IGPs). When selecting students for a health science program, it is recommended that careful consideration be given to the following:

1. a desire to learn and interest in a health career;
2. regular attendance and punctuality;
3. academic and disciplinary profiles;
4. teacher recommendations;
5. willingness to comply with program standards;
6. extracurricular activities and hobbies; and
7. traits such as honesty, sincerity, dependability, adaptability, and perseverance.

All career and technology education opportunities will be offered without regard to race, color, national origin, sex, or disability. Students with disabilities should be capable of benefiting from the training offered. Support services are to be provided to assist students with special needs in mastering the health science standards.

## **Classroom Facilities**

The following classroom facilities are suggestions to school districts in order to accomplish the program goals of health science education. The choice of facilities may be dependent on the recommendations of the advisory committee or the direction of the local health science program.

### **+ Nice-to-have items; not essential for program standards**

1. Student tables and chairs and desks
2. Teacher desk and chair
3. Telephone to include outside line and voice mail
4. Two- and four-drawer filing cabinets
5. Cabinet or closet for securing supplies
6. Computer(s) with Internet access
7. Laptop computer
8. TV/VCR/DVD
9. LCD projector or technology for PowerPoint presentations
10. Large marker board(s) and bulletin boards(s)
11. Presentation station (e.g., ELMO with back and upper light) +
12. Overhead projector and large screen
13. Interactive White board/Smart Board
14. Bookcases for reference books and models
15. Sink with hot and cold running water with soap and towel dispenser
16. Bathroom facilities +
17. Simulated nursing station +
18. Quiz bowl equipment (For info: [www.zeecraft.com](http://www.zeecraft.com))+

## **Equipment and Supplies**

The following equipment and supplies are suggestions for teaching the knowledge and skills of health science education. This list includes a wide variety of items that may be utilized by the teacher(s). It is recommended that careful consideration be given to these purchases. Collaboration with the teacher(s) and the advisory committee should occur to ensure that the items needed for a successful program in your local school are purchased.

### **+ Nice-to-have items; not essential for program standards**

#### **Equipment:**

1. Stethoscopes (dual, single, and teaching)
2. Sphygmomanometers (child, adult, and large arm cuffs)
3. Blood pressure simulator
4. Thermometers (mercury free glass-oral and rectal, electronic, and tympanic)
5. Wall clock(s) with second hand
6. Yardsticks and tape measures
7. Adult, child, and infant CPR manikins
8. Choking victim manikin +
9. Hospital bed(s) and mattress(es)

10. Bedside table(s) and overbed table(s)
11. Signaling device(s)
12. Wheelchair
13. Geriatric chair +
14. Bedside commode
15. Anatomical charts and models
16. Human torso
17. Skeleton
18. Stretcher +
19. Teaching manikin
20. Timer(s) or stopwatch(es)
21. Rolling hamper with canvas bag
22. Washer and dryer
23. Utility cart
24. Trash can(s) with foot pedal and flip top
25. Mayo stand +
26. Examination table with paper +
27. Privacy curtains or screens
28. Microscope(s) +
29. Backboard
30. Cervical Collar
31. Crutches, gait belt, and walker
32. X-ray view box +
33. Snellen eye charts
34. Scales with height rod
35. Infant scales
36. Ophthalmoscope
37. Otoscope
38. EKG machine +
39. Doppler +
40. Pulse oximeter +
41. Glucometer +
42. Assorted surgical instruments
43. Autoclave +
44. Surgical trays

**Supplies:**

1. Non-sterile and sterile gloves
2. Blankets, pillows, and foam wedges
3. Linens: fitted and flat sheets, drawsheets, spreads, pillowcases, and patient gowns
4. Towels, washcloths, and bath blankets
5. Linen savers and/or incontinent pads
6. Isolation gowns, gloves, masks, and goggles
7. Triangular bandages/cravats
8. 4-inch gauze squares, non-sterile and sterile
9. 2-inch and 4-inch stretch roll gauze, non-sterile and sterile
10. Padded board splints
11. CPR supplies
12. Adhesive tape, silk tape, and sports tape
13. Elastic bandages

14. Scissors and bandage scissors
15. Hand scrub and germicidal soap with dispenser
16. Alcohol preps
17. Measuring graduates
18. Restraints
19. Postmortem kit +
20. Thermometer covers
21. Dentures, denture cup, and denture cleanser
22. Emery boards and orangewood sticks
23. Shaving cream and razors
24. Combs
25. Lotion
26. Meal tray
27. Gripper Socks
28. XL clothing
29. Toothbrushes, toothpaste, and mouthwash
30. Utensils for feeding
31. Knee high elastic stockings
32. Admission kits with wash basins
33. Bedpans (standard and fracture)
34. Emesis basins
35. Oxygen masks and cannula
36. Urinal
37. Urinary catheter(s) and drainage bag(s)
38. Autoclave tape +
39. Wraps-paper and cloth

### **Classroom Facilities**

1. Classroom computers
2. Teacher computer
3. Telephone
4. Healthcare-related reference materials: books, CDs, software, posters, etc.
5. All in one fax/copier/printer/scanner

## **Equipment and Supplies**

Cardinal Health (state contract)  
 Jerry Bishop, SC Physician Products and Services Representative  
 Cardinal Health  
 305 Charwood Lane  
 West Columbia, South Carolina 29170  
[www.cardinalhealth.com](http://www.cardinalhealth.com)  
 Email: [Jerry.Bishop@cardinal.com](mailto:Jerry.Bishop@cardinal.com)  
 Main: 1-800-678-2298 ext. 7514  
 Fax: 1-803-955-3592

Grove Medical Incorporated  
 1089 Park West Blvd, Greenville, SC 29611  
[www.grovemedical.com](http://www.grovemedical.com)  
 Toll FREE 1-800-269-1405  
 Telephone: 864-269-0283  
 Fax 864-220-1745

Pocket Nurse  
1231 Fourth Avenue  
Corapopolis, PA 15108-1617  
Telephone: 1-800-225-1600  
[www.pocketnurse.com](http://www.pocketnurse.com)

Carolina Biological Supply: Science Supplies, AP Kits,  
Chemistry Supplies, Microscopes  
2700 York Road  
Burlington, NC 27215-3398  
Telephone: 1-800-334-5551  
[www.carolina.com](http://www.carolina.com)

Armstrong Medical Industries, Inc.  
575 Knightsbridge Parkway  
P.O. Box 700  
Lincolnshire, IL 60069-0700  
1-800-323-4220  
1-847-913-0101  
Fax: 1-847-913-0138  
<http://www.armstrongmedical.com/>

Laerdal Medical Corporation  
167 Myers Corners Road  
Wappingers Falls, NY 12590  
Telephone: 1-877-523-7325 (LAERDAL)  
Fax: 1-800-227-1143  
[www.laerdal.com](http://www.laerdal.com)

Peter Pepper Products  
17929 So. Susana Road  
PO Box 5769  
Compton, CA 90224  
Phone Number:  
Telephone: 1-800-496-0204 ext.7  
1-310-639-0390 ext. 7  
Fax : 1-310-639-6013  
<http://www.peterpepper.com/>

eNasco  
901 Janesville Avenue  
PO Box 901  
Fort Atkinson, WI 53538-0901  
Telephone: 1-800-558-9595  
<http://www.enasco.com/healthcare/>

School Nurse Supply, Inc.  
PO Box 68968  
Schaumburg, IL 60168  
Telephone: 1-800-485-2737  
Fax: 1-800-485-2738  
<http://www.schoolnursesupplyinc.com/>

Henry Schein  
135 Duryea Road  
Melville, NY 11747  
Telephone: 1-631-843-5500  
[www.henryschein.com](http://www.henryschein.com)

Teacher Direct Ltd.  
Freepost 3065  
PO Box 31-365  
Lower Hutt 5040  
NEW ZEALAND  
Telephone: Free call: 0800-92-92-62 (International +64 4 568 2088)  
Fax: 04-568-2089 (International +64 4 568 2089)  
<http://www.teacherdirect.co.nz/>

## **Curriculum Resources**

Delmar Cengage  
Executive Woods  
5 Maxwell Dr.  
Clifton Park, NY 12065-2919  
Telephone: 1-800-648-7450  
<http://www.healthcare.delmar.cengage.com>

Anatomy in Clay  
Zahourek Systems, Inc.  
2198 W 15th St.  
Loveland, CO 80538  
Order 1-800-950-5025  
Fax 1-970-667-5025  
<http://www.anatomyinclay.com/>

Starla's Creative Teaching Tips  
PO Box 6751  
Lubbock, TX 79493  
Telephone: 806-787-6018  
[starla@starlasteachtips.com](mailto:starla@starlasteachtips.com)  
<http://www.starlasteachtips.com/>

Brevis Corporation  
225 West 2855 South  
Salt Lake City, Utah 84115  
Telephone: 1-800-383-3377  
Fax: 1-801-485-2844  
<http://www.brevis.com/>

National Institutes of Health (NIH) Outreach and Education  
9000 Rockville Pike  
Bethesda, MD 20892  
<http://www.nih.gov/about/outreach.htm#education>

CreativEd Services  
14326 Mandolin Drive  
Orlando, FL 32837  
Telephone: 1-407-271-4272  
<http://creativedservices.com/>  
Health Science Instructional Supplements

National Consortium for Health Science Education  
2410 Woodlake Drive  
Okemos, MI 48864  
Telephone: 1-517-347-3332  
Fax: 1-517-347-4096  
[www.healthscienceconsortium.org](http://www.healthscienceconsortium.org)

Applied Educational Systems, Inc.  
208 Bucky Drive  
Lititz, PA 17543  
Telephone: 800-220-2175  
717-627-7710  
Fax: 717-627-5643  
<http://aeseducation.com/>

Applied Technologies a division of Learning Labs, Incorporated  
Post Office Box 1419  
Calhoun, Georgia 30703  
Telephone: 1-800-334-4943  
Fax: 1-706-629-6761  
[http://www.appliedtechnologies.com/products/health\\_science/index.htm](http://www.appliedtechnologies.com/products/health_science/index.htm)

SOWEGA-AHEC  
1512 West Third Avenue  
Albany, Georgia 31702  
Telephone: 1-229-439-7185  
Fax: 1-229-888-5154  
<http://www.sowega-ahec.org/educational-tools>

Medcom Trainex, Inc  
6060 Phyllis Drive  
Cypress, CA 90630  
Telephone: 1-800-877-1443  
Fax: 1-714-891-3140  
Email: [www.medcomrn.com](http://www.medcomrn.com)

Channing Bete Company  
One Community Place  
South Deerfield, MA 01373-0200  
Telephone: 1-800-477-4776  
Fax: 1-800-499-6464  
<http://www.channing-bete.com/>