

Career and Technical Education Course Blueprint of Essential Standards

Health Science Education

HU40 Health Science I

*Public Schools of North Carolina
State Board of Education □ Department of Public Instruction
Academic Services and Instructional Support
Division of Career and Technical Education
Joan Thompson, Project Director*

*Raleigh, North Carolina
Summer 2012*

*Special thanks to the following educators who developed
this blueprint.*

*Allison Vogt – Apex High School
Lynn Wooster-McCoy - Pamlico High School
Lynn Smith – Cary High School
Mary Kidwell – Mooresville High School
Nancy Check – North Davidson High School*

*This blueprint has been reviewed by business and industry
representatives for technical content and appropriateness
for the industry. Contact
HealthScience@dpi.nc.gov for more information.*

HEALTH SCIENCE EDUCATION
COURSE BLUEPRINT OF ESSENTIAL STANDARDS for HU40 HEALTH SCIENCE I
 (Hours of Instruction: 135-180)

ES # Obj #	Unit Titles/Essential Standards and Objective Statements (The Learner will be able to:)	Local Use	Course Weight	RBT Designation	Integrated Skill Areas	Core Supp
1	2	3	4	5	6	7
	Total Course Weight		100%			
A	HUMAN BODY'S SUPPORT, MOVEMENT AND USE OF NUTIENTS		52%			
1.00	Understand the body's systems of support and movement		17%	B2	H/SC/M	Core
1.01	<i>Remember structural organization.</i>		5%	A1	H/SC	Core
1.02	<i>Remember the structures of the skeletal system.</i>		2%	A1	H/SC	Core
1.03	<i>Understand the functions and disorders of the skeletal system.</i>		4%	B2	H/SC	Core
1.04	<i>Remember the structures of the muscular system.</i>		2%	A1	H/SC	Core
1.05	<i>Understand the functions and disorders of the muscular system.</i>		4%	B2	H/SC/M	Core
2.00	Understand the body's use of nutrients		35%	B2	H/SC/M	Core
2.01	<i>Remember the structures of the circulatory system.</i>		4%	A1	H/SC	Core
2.02	<i>Understand the functions and disorders of the circulatory system.</i>		10%	B2	H/SC/M	Core
2.03	<i>Remember the structures of the lymphatic system.</i>		2%	A1	H/SC	Core
2.04	<i>Understand the functions and disorders of the lymphatic system.</i>		3%	B2	H/SC	Core
2.05	<i>Remember the structures of the respiratory system.</i>		2%	A1	H/SC	Core
2.06	<i>Understand the functions and disorders of the respiratory system.</i>		6%	B2	H/SC	Core
2.07	<i>Remember the structures of the digestive system.</i>		2%	A1	H/SC	Core
2.08	<i>Understand the functions and disorders of the digestive system.</i>		6%	B2	H/SC	Core
B	HUMAN BODY'S COMMUNICATION AND HORMONE CONTROL SYSTEMS		48%	B2	H/SC/M	Core
3.00	Understand the body's communication systems		20%	B2	H/SC/M	Core
3.01	<i>Remember the structures of the nervous system.</i>		2%	A1	H/SC	Core
3.02	<i>Understand the functions and disorders of the nervous system.</i>		7%	B2	H/SC	Core
3.03	<i>Remember the structures of the sensory system.</i>		2%	A1	H/SC	Core
3.04	<i>Understand the functions and disorders of the sensory system.</i>		3%	B2	H/SC	Core
3.05	<i>Remember the structures of the integumentary system.</i>		2%	A1	H/SC	Core
3.06	<i>Understand the functions and disorders of the integumentary system.</i>		4%	B2	H/SC/M	Core

4.00	Understand the body's systems of hormone control		28%	B2	H/SC/M
4.01	<i>Remember the structures of the urinary system.</i>		2%	A1	H/SC
4.02	<i>Understand the functions and disorders of the urinary system.</i>		5%	B2	H/SC/M
4.03	<i>Remember the structures of the endocrine system.</i>		3%	A1	H/SC
4.04	<i>Understand the functions and disorders of the endocrine system.</i>		6%	B2	H/SC/M
4.05	<i>Remember the structures of the reproductive system.</i>		4%	A1	H/SC
4.06	<i>Understand the functions and disorders of the reproductive system.</i>		8%	B2	H/SC/M