

Newspaper in Education Presents

inquiziKIDZ

BROUGHT TO YOU BY MANATEE COUNTY'S MAGNET SCHOOLS & ADULT CAREER & TECHNICAL EDUCATION

What are Building Codes?

Discover the Future

People who are trained as carpenters have numerous job options.

- New Home Construction**
- Remodeling**
- Theatrical Sets**
- Building Inspector**
- Boat Builder**
- Flooring Specialist**
- Docks and Decking**
- Furniture and Cabinetry**
- Home Design**
- Drywall Installation**
- Finishing Carpenter**
- Sales**
- Supervisor**
- Cost Estimator**

For more career information see your school counselor and get information on-line at:
<http://jobstar.org/tools/career/spec-car.cfm>
 OR
<http://www.acinet.org/acinet/default.asp>



Carpentry and Building Construction

Building Codes Have a Purpose

by Vickie Miller

There is an ancient story about two people who built a house. One person built a house on sand and the other built a house on rock. The one who built on sand was called a foolish person because when the winds and rains came the house fell down. The one who built on rock was called wise because the house withstood the forces of nature. The moral of the story is that when we build our lives, we should build them on a strong foundation of good values and principles. However, this story also shows that ancient people had a good understanding of proper building techniques.

The first known building code dates from nearly 4,000 years ago and was enforced by King Hammurabi in the country of Babylon. The Code said that if a person built a house that fell down and killed someone, the builder would be severely punished. Though this ancient building code is really simple, it shows that even thousands of years ago it was believed that the builder had a responsibility in making a house safe.

That is the purpose of building codes. They are laws that set standards on how a house or building must be built in order to be a safe dwelling. Building codes include specifications about all parts of the building, for example its foundation, its structure, the electrical wiring, and the plumbing.

One of the things taught in the Carpentry and Building Construction classes at Manatee Technical Institute are the building codes for Florida and Manatee County. The Carpentry class has witnessed first-hand the importance of following building codes, especially after seeing the damage caused by the recent hurricanes. Members of the class volunteered many hours to help people repair their homes from hurricane damage, and they found that the homes that followed the newer and stricter codes had much less damage. Hurricane straps seemed to make a big difference. They are metal brackets that attach

the roof to the house to keep the roof from blowing off during high winds.

Whenever a person builds a new house or adds on to their current house, the home owner and builder have to get a building permit from the government. Then, an inspector comes around at every stage of the building process to make sure that things are being built and installed correctly. This is helpful to both the builder and the home owner in making certain that the house will be safe when it is finished.

Building a Future

by Vickie Miller

When you enter the Carpentry class at Manatee Technical Institute, you can often detect the smell of fresh cut wood. You will also see Roger Herelle working away on a project. A 2004 graduate from Southeast High



Roger Herelle

School, Roger enrolled in the Carpentry program last year for elective credits. This year he has returned as an adult student to complete his requirements and earn a certificate.

As a young boy in the Virgin Islands, Roger recalls watching

homes being built and found it very interesting. Roger says that the homes there are a little different than the homes in Florida, but similar. Roger's father also works in construction, and as a child Roger helped his dad lay concrete block.

Today, Roger says that he enjoys working with wood. His favorite projects are framing a new home and installing siding. In fact, last year he demonstrated these skills at the Florida Regional SkillsUSA competition and won first place.

Roger is already a successful employee, and he is also goal-oriented. He is currently working part-time in construction while finishing his Carpentry requirements. Eventually, he hopes to obtain his contractor's license, as well as earn a college degree.

Building a Sense of Community

by Vickie Miller

Manatee Technical Institute's Carpentry instructor, Mr. David Sell, says that one of the most exciting things about a career in carpentry is the pride of seeing a finished project. Carpentry is also a diverse field, and each day brings a new experience. Mr. Sell says that there is an epidemic need for carpenters, and people with good skills and the right attitudes will never run out of work.

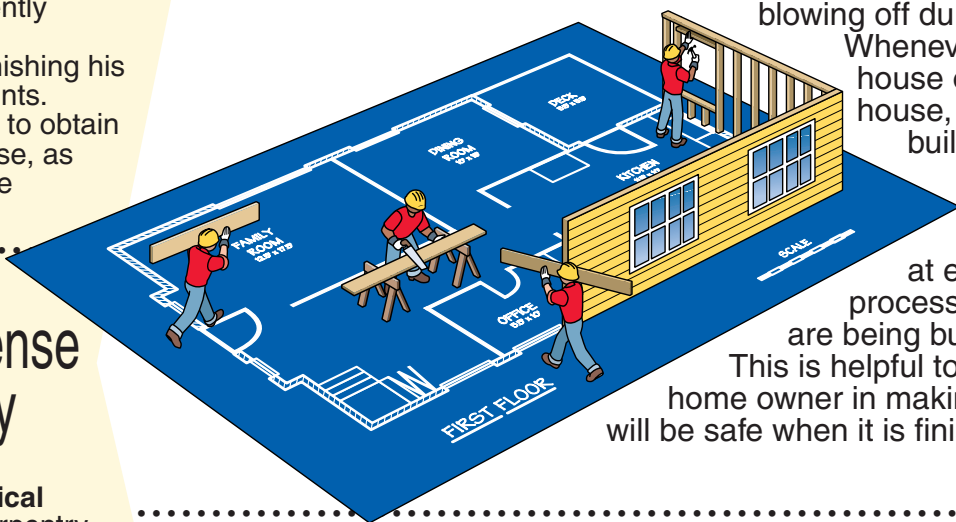


Mr. David Sell

As a licensed contractor, Mr. Sell has built many homes and completed numerous remodeling jobs. One of his most rewarding projects was to build his own dream home. What was especially enjoyable about it was that his whole family got involved and worked together over a nine-month period. Mr. Sell has also volunteered his time in Jamaica and Aruba by helping to construct a church, a hospital, and a school.

He is also proud of the partnership that he has arranged between the MTI Carpentry program and Habitat for Humanity, which will provide a home to a qualified family. This gives students an opportunity to build an entire house from start to finish. It also instills in students some of Mr. Sell's most important values: community service and helping others.

He is also proud of the partnership that he has arranged between the MTI Carpentry program and Habitat for Humanity, which will provide a home to a qualified family. This gives students an opportunity to build an entire house from start to finish. It also instills in students some of Mr. Sell's most important values: community service and helping others.



explore it

You have decided to remodel a room that is 20' x 15'. In this room you will be installing new flooring, cabinets hung along the length of one of the longest walls, and new baseboard. You have a budget of \$3025 to spend and want to get the best quality of items as possible without going over your budget. Which of the three items below can you purchase to come as close to your budget of \$3025 and not go over?

Flooring	Total Cost
Clay tile at \$.99 per square foot	a. _____
Ceramic tile at \$2.31 per square foot	b. _____
Wood flooring at \$3.50 per square foot	c. _____
Cabinets (the cabinets come in units 30" wide)	
Laminate cabinets at \$150 per unit	d. _____
Wood cabinets at \$240 per unit	e. _____
Baseboard	
Style A at \$.48 per foot	f. _____
Style B at \$.64 per foot	g. _____
Style C at \$.77 per foot	h. _____

Answers: a. \$297 b. \$693 c. \$1050 d. \$1200 e. \$1920 f. \$33.60 g. \$44.80 h. \$53.90. You can install the best quality of all of the items and still spend less than \$3025.

InquiziKidz page is published every Wednesday in The Herald.

Provided by Newspaper in Education, Kristin Lamphron, Education Manager (941) 748-0411 ext. 5031
 Darren Falterman, Digital Media Specialist © Knight-Ridder Productions, inc.

Manatee Technical Institute

- Ballard Elementary Magnet
- Daughtrey Preparatory Magnet
- Harllee Middle Magnet
- Johnson Middle Magnet
- Lee Middle Magnet



- Lincoln Middle Magnet
- Manatee Elementary Magnet
- Rowlett Elementary Magnet
- Tillman Elementary Magnet
- Wakeland Elementary Magnet

Schools listed in red offer instruction in the subject area featured in today's InquiziKIDZ

webwize



- <http://www.bls.gov/oco/ocos202.htm>
- <http://www.bls.gov/oco/ocos004.htm>
- <http://www.khake.com/page14.html>
- <http://www.bls.gov/oco/ocos006.htm>