Standard 1—Career Development

Context

Elementary

Third-grade students worked in teams to create businesses. Each team wrote a simple business plan, developed a sales presentation, and designed an advertisement for their business. The students also created model buildings and invited members of the community to a "power lunch," where they delivered presentations about the steps they took to create their businesses. As the last step in the project, students wrote summaries of their experiences.

Performance Indicators

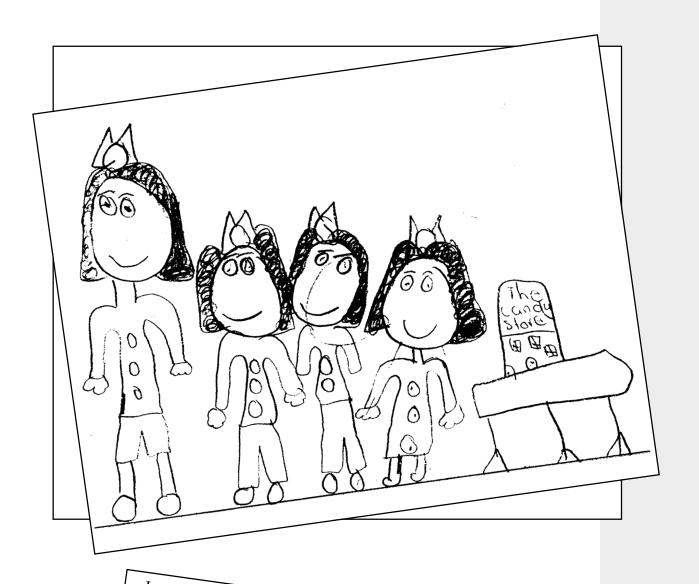
Students:

- . . .demonstrate an awareness of their interests, aptitudes, and abilities
- . . .know the value of work to society
- . . . explore their preferences for working with people, information, and/or things.

Student Work Sample

Commentary

- shows that students can work together as part of a team
- demonstrates that students can apply simple principles of human relations
- shows that students can relate the things they like doing to careers
- demonstrates that students can apply the decision-making process
- illustrates that students can develop and deliver simple written and oral presentations.



I am a third grade student. I work with two partners. My business is the Candy Store. We decided to have a candy store because I love candy and my partners do too. We sell all kinds of candy like lollipops, skit-les, gym, jelly beans, hotballs, and drinks. When we created our business we used many different skills. Me and my partners took turns another class, parents and other classes. We did our sales pitch and one of the teachers taped my partners and me.

Standard 1—Career Development

Working in small groups,

actual work-site visits. After

enhance the presentation.

eighth-grade students explored

career options through a variety of

printed resources and, also, through

completing the work-site visit, each

student group had to provide an

oral presentation about the career area, using visual displays to

Context

Intermediate

Student Work Sample

Performance Indicators

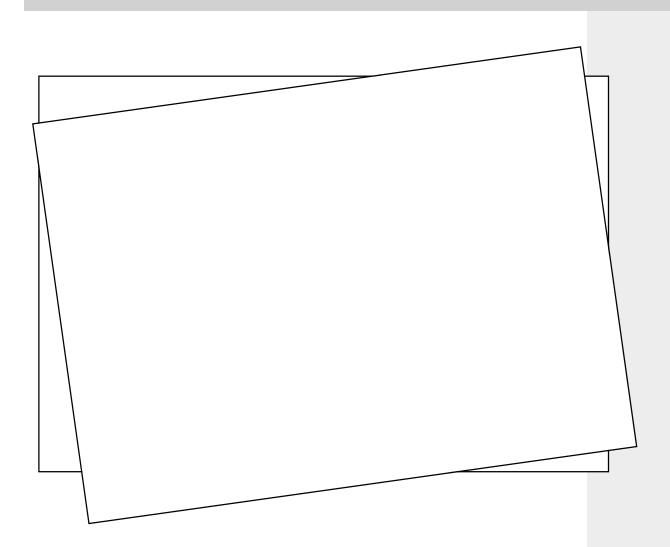
Students:

- . . .demonstrate an understanding of the relationship among personal interests, skills and abilities, and career research
- . . .understand the relationship of personal interests, skills, and abilities to successful employment
- . . .demonstrate an understanding of the relationship between the changing nature of work and educational requirements

. . .understand the relationship of personal choices to future career decisions.

Commentary The Sample:

- illustrates the use of various resources to learn about different careers
- incorporates observations made on work-site visits in the presentation/report
- engages cooperative group work in completing the project
- illustrates students' ability to identify characteristics and educational requirements for the career option.



Standard 1—Career Development

Context

Commencement

A twelfth-grade student in a unique occupations program had to apply and be interviewed for a work-based learning experience in a career area of interest. This particular student accumulated 350 hours of on-site experience as technician in a veterinary clinic.

Performance Indicators

Students:

- . . . complete the development of a career plan that would permit eventual entry into a career option of their choosing
- . . . apply decision-making skills in the selection of a career option of strong personal interest.

Student Work Sample

Rt 18 Box 2173A Anytown, NY October 16, 1994

Mary Grimes, D.V.M. We Care Veterinary Clinic 1238 Water Street Anytown, NY

Dear Dr Grimes:

This letter is in response to our previous discussion concerning the position of Veterinarian Trainee.

I have enclosed a copy of my resume for your review. I look forward to sharing with you how I feel I might fit into your organization. Should my qualifications be of interest to you, I would appreciate the opportunity for a personal meeting with you at your convenience.

Thank you for your time and consideration. I look forward to hearing from you soon.

Sincerely,

Tina Adams

Enclosure

Commentary

- · shows the student's skill in preparing a business letter for the purpose of applying for the work-based learning placement
- shows that the student can evaluate personal skills and abilities in relation to a job experience
- demonstrates the student's ability to prepare a resume
- indicates the student can match personal goals and interests with a career option.

RESUME

Tina Adams Rt 18 Box 2173A Anytown, NY

<u>Current job objective:</u> Veterinarian Assistant/Trainee. (Telephone Number)

Long-term goal: To Major in Animal Science and become a Doctor of Veterinary Medicine.

Computer literate; Macintosh, Apple II GS and IBM computers. Completed course in Animal Science II. Energetic, hard working, willing to excel and accept constructive criticism.

RELEVANT SKILLS & EXPERIENCE:

Mowed lawns, raked leaves, painted porches, operated tools (lawn Basic Home Maintenance: mower, paint brush, rake, weed-eater)

Volunteer work:

All core courses: (English, Math, Science, Social Studies), Animal Science II, Earth Science, Biology and Chemistry, Art, Computer Literacy, Computer Completed classes in: Graphics

*December, 1993-March, 1994: Ice Rink Attendant WORK HISTORY:

*April, 1994-June, 1994: Rainbow Vacuum Salesperson

*May, 1991-present: Lawn Service

*Summer Vacations: Farm Worker

(*While in school)

Central High School, Anytown, NY EDUCATION:

REFERENCES:

Available upon request.

Standard 2—Integrated Learning

Context

Elementary

In this fourth-grade science project, a student had to research the procedure for constructing a barometer, build the barometer, record barometric pressure readings, and correlate the readings with precipitation. The student was then able to predict weather.

Performance Indicators

Students:

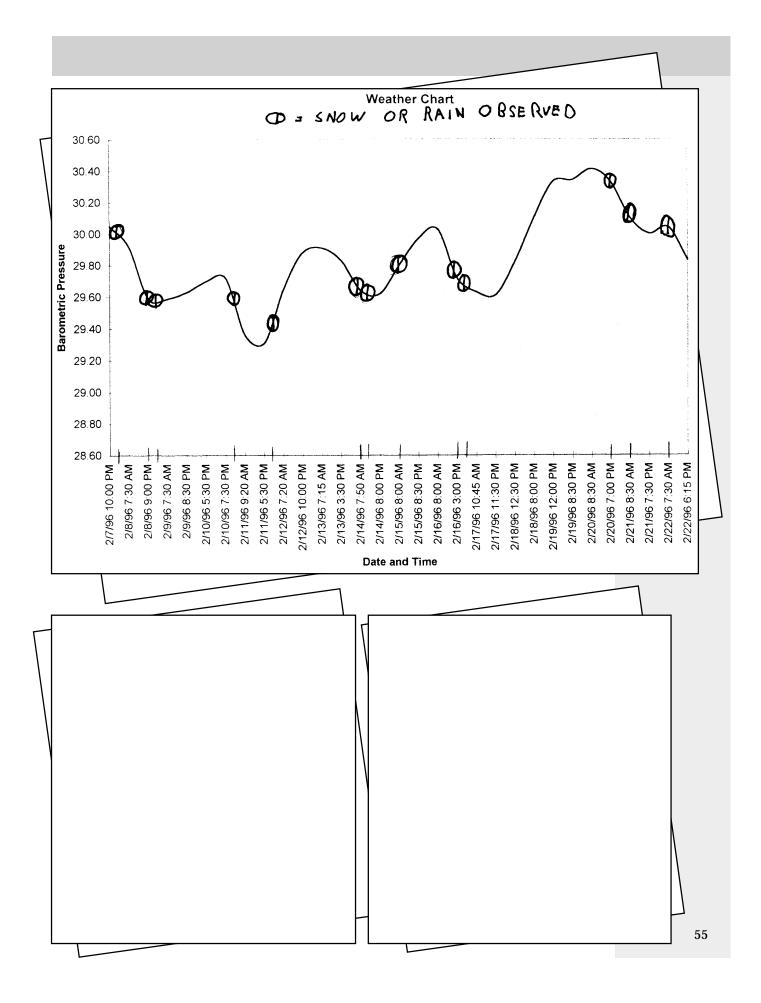
- . . .identify academic knowledge and skills that are required in specific occupations
- . . .demonstrate the difference between the knowledge of a skill and the ability to use the skill
- . . .solve problems that call for applying academic knowledge and skills.

Student Work Sample

To make your own barometer, you need a wide-mouthed jar, large good-quality balloon, side and bottom of a cardboard box, rubber band, graph paper, tape, drinking straw, large deep pan, and hot water. (Note: make sure your jar fits into the pan.) Blow up the balloon, but don't tie it. Let the air out of the balloon. Cut a large piece from the balloon. Make sure you can stretch it over the mouth of the jar. Next, fill the pan with hot water. Put the jar, mouth side up, into the pan and hold it down. Make sure no water gets into the jar. Have another person stretch the large balloon piece over the mouth of the jar, leaving extra balloon on all sides of the jar. Immediately put one or more rubber bands around the jar near the top. This is so that the balloon piece will not pop off. Then remove the jar from the pan. Tape one end of the straw to the center of the large piece of balloon (which is across the top of the jar). Reinforce the sides of the cardboard with tape. Tape the piece of graph paper to the inside of the side piece of cardboard. Place the jar in front of the graph paper so that the end of the straw just touches the graph paper. Put a mark where the straw touches the paper. Find out the current barometric pressure and write it where you put the mark. As the barometric pressure rises, the pressure inside the jar will be lower than the barometric pressure outside the jar. As a result, the balloon piece will lower slightly, but the straw will rise. As the barometric pressure gets lower, the barometric pressure inside the jar will be higher than the barometric pressure outside the jar. This will push out on the balloon, causing the end of the straw to lower. Record the barometric pressure for a few days. Each time you record it, make a mark where the straw is and write down the number you recorded. After you do this a few times, you will begin to see a pattern. You may then stop taking measurements. Estimate the pressure at each gap midway between your recorded numbers, and fill in these figures. Then you can read the barometric pressure whenever you want, with your own barometer!

Commentary

- shows the student can apply various skills used in meteorology (e.g., mathematical, scientific)
- demonstrates the student's ability to read, interpret directions, and build a scientific instrument
- illustrates the student's ability to graph, record, and interpret data
- shows the student's ability to conduct research.



Standard 2—Integrated Learning

Context

Elementary

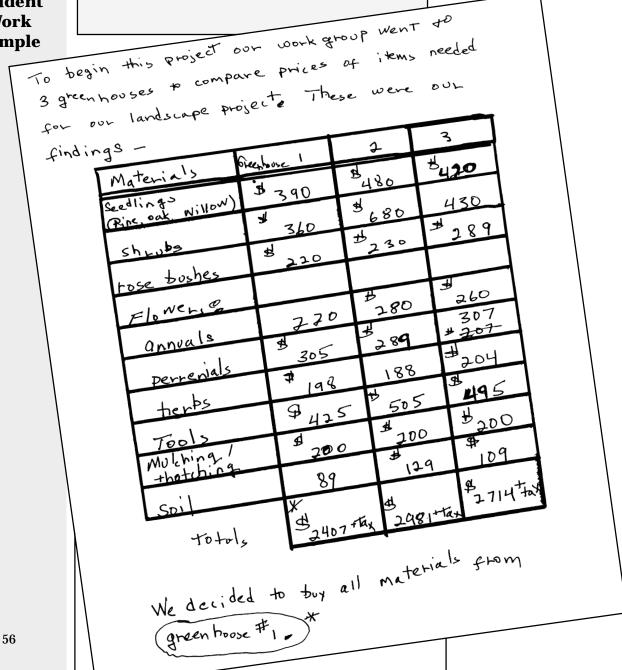
A group of fifth-grade students participated in a class landscaping project for homeowners in a new development. They designed a perennial garden to line the driveway, selected trees to create a natural boundary/property line, arranged for shrubs to be placed symmetrically in front of the house, and developed plans for a herb garden on the south side of the lot. They evaluated costs of materials, purchased commercially grown plants from the nursery, and drew up an architectural blueprint for beautifying the property.

Performance Indicators

Students:

- . . .demonstrate the difference between the knowledge of a skill and the ability to use the skill
- . . . solve problems that call for applying academic knowledge and skills.

Student Work Sample



- shows that the students were able to research costs of services (labor rate)
- demonstrates that the students constructed comparison graphs/data tables to assess current costs of greenhouse plants and materials (e.g., flowers, tools)
- illustrates that the students were able to apply mathematical concepts.

| Payment play | Amount | Due Date | | | | |
|---------------------|-----------|----------|--|--|--|--|
| Down FRYMEN + (1/3) | # 1706.52 | 3-3 | | | | |
| | 353.26 | 4-11 | | | | |
| 2 | 853.26 | 4-18 | | | | |
| 3 | 853.26 | 4-29 | | | | |
| 4 | 853.26 | 5-15 | | | | |
| 1 | | | | | | |

Standard 2—Integrated Learning

Context

Intermediate

In this seventh-grade interdisciplinary project, students designed and built a model railroad village. This project included a research study of different architectural periods.

Performance Indicators

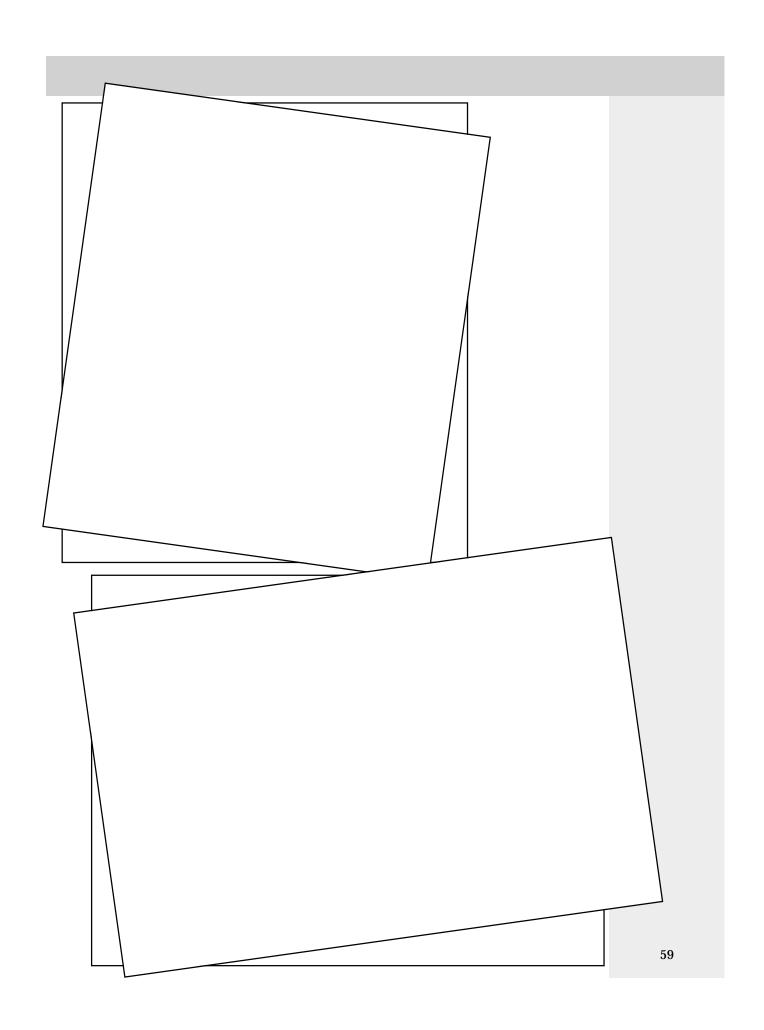
Students:

- . . . solve problems that call for applying academic knowledge and skills
- . . . use academic knowledge and skills in an occupational context, and demonstrate the application of these skills by using a variety of communication techniques (e.g., sign language, pictures, videos, reports, and technology).

Student Work Sample

Commentary

- demonstrates students' understanding of different architectural periods and structures
- incorporates knowledge from social studies, English, math, science, computer, art, home and career skills, and introduction to technology
- shows that students can develop and follow a plan
- shows students' ability to research needed information to complete the project
- indicates that students can work in cooperative groups.



Standard 3a—Foundation Skills

Context

Elementary

A student had to keep a record of the food eaten for one day and then research the calorie content. This is the first step in learning about diet analysis. A computer was used to create the chart.

Student Work Sample

Performance Indicators

Students:

- . . .describe the need for data and obtain data to make decisions
- . . .demonstrate an awareness of the different types of technology available to them and of how technology affects society
- ... demonstrate an awareness of the knowledge, skills, abilities, and resources needed to complete a task.

| \ \ | | 24 Hour | Calorie | Intake | |
|-----|-------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------|---------------------------------------------------------------|
| | Meals Breakfast Lunch | Foods Toast Water Apple P.B.J. Sandy Bread Peanut Butt Jelly Welch's jui Fruit snack Cheese Pi | ter 1 tbsp. 1 tbsp. 1 tosp. 1 tosp. 1 28g. 1 Slice | Calories | 140 0 80 140 95 55 160 100 145 130 |
| | Dinner Extra Total | Juice Box Gum Jello Wheat T | 2 Sticks 99g. | | 80 70 1215 |

- shows that the student can record data accurately
- demonstrates that the student can extract appropriate data from resource charts and use it to complete a task
- demonstrates the student's ability to use a computer and simple spreadsheet program to produce a chart.

Standard 3a—Foundation Skills

Context

Intermediate

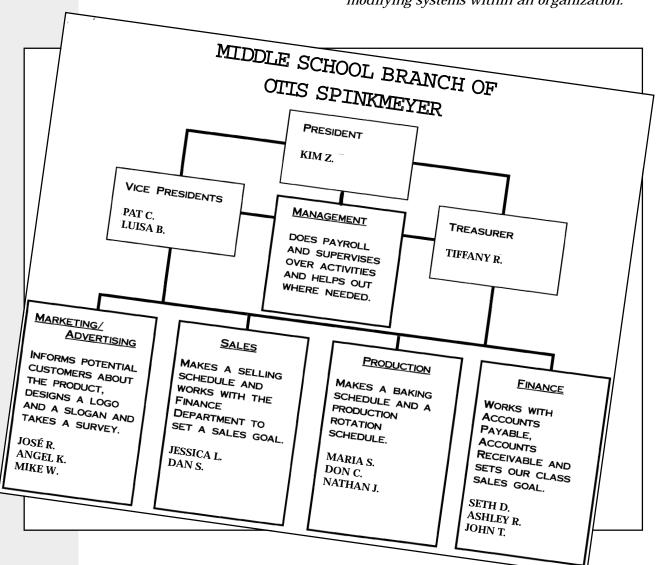
Students in an eighth-grade home and careers class worked in teams to learn how to run and operate a business. They chose products to sell, set up production, established a management structure, planned marketing/advertising strategies, developed sales summaries, and conducted a final evaluation.

Performance Indicators

Students:

- . . .select and use appropriate technology to complete a task
- . . .evaluate facts, solve advanced problems, and make decisions by applying logic and reasoning skills
- ...understand the material, human, and financial resources needed to accomplish tasks and activities
- . . .demonstrate the ability to work with others, present facts that support arguments, listen to dissenting points of view, and reach a shared decision
- . . .understand the process of evaluating and modifying systems within an organization.

Student Work Sample





- demonstrates the students' understanding of the management process and their ability to establish an organizational chart and job descriptions for their business
- illustrates the students' skill in designing and producing advertising for their product
- shows the students' ability to work as a member of a team toward a common goal
- demonstrates the students' ability to use software to construct an organizational chart
- indicates that students were able to design and implement various systems necessary in a typical business.

Standard 3a—Foundation Skills

Context

Commencement

data to manually complete a comparative income statement. The student then was asked to complete the same statement on a computer, using a spreadsheet software package.

A student in a high school

accounting class was required to use

Performance Indicators

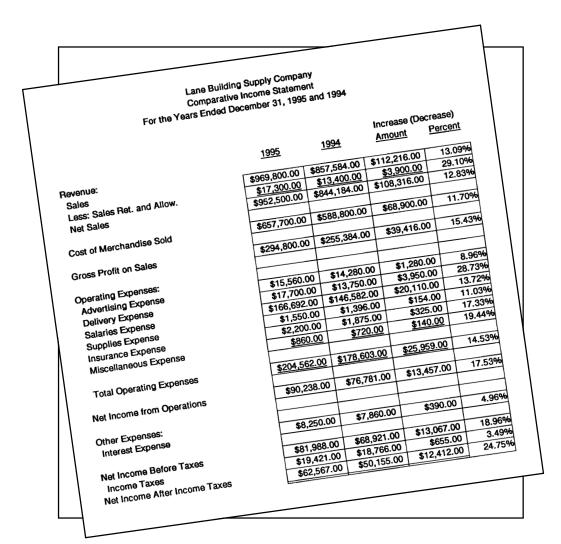
Students:

- . . . use technology to acquire, organize, and communicate information by entering, modifying, retrieving, and storing data
- . . . apply their knowledge of technology to identify and solve problems
- . . .demonstrate the ability to organize and process information and apply skills in new ways.

Student Work Sample

| Lane Building Supply Company Comparative Income Statement For Years Ended 10/31/95 + 10/31/94 | | | | | | | |
|-----------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------|---------------------------------|------------------------------|--|--|--|
| | 1995 | 1994 | INCHEUSE AMOUNT | (Decrease) Rercent | | | |
| Revenue: Sales Jess: Saks Ret, & Allow, Net Saks | 969800 - 17300 - 952500 - | 857584 - 13400 - 844184 - | 112216 - 3900 - 108314 - | 1309 2910 1283 | | | |
| Cost of Merchandise Sold Gross Profit on Sales | 657700 - | 588800 - 255384 - | 6890° - | 1170 | | | |
| Operating Expenses: Advertising | 15560 - | 14230- | 1980- | 874 | | | |
| Delivery Salaries Supplies Insurance | 1550 - 1550 - 2208 - | 13750 - 146582 - 1396 - 1875 - | 3950- 20/10- 154- 335- | 1372 1372 1103 1733 | | | |
| Misc. Tot, Oper. Exp, | 860 - 204562 - | 720 - 1 78603 - | 140- 25959- | 1944 | | | |
| Net Income from operations | 90238 - | 76.781 - | 13457- | 1753 | | | |
| Other Expenses: Interest | 8350 <u> </u> | 786~ - | 390 - | 496 | | | |
| Net Income Begore Taxes INCOME Taxes Net Income April Taxes | 51 988 - 19421 - 62567 - | 18766 - 50155 - | 13067 - 655- 12412 - | 18.96 349 24.75 | | | |

- indicates the student was able to use thinking skills to analyze financial data/transactions
- demonstrates the student's ability to accurately key-enter data into a computer and use a software package to maintain/produce a financial statement
- indicates the student was able to apply accounting principles in manually completing the financial statement.



Standard 3b—Career Majors: Business/Information Systems

Context

Core

Students in a business analysis/ business computer applications class develop, produce, merge, and mail a professional-quality form letter to local elementary school principals. The letter requested the opportunity to provide the principal with a Halloween newsletter which they could distribute to their students. The second part of the activity required students, working in teams, to write, design, and produce the actual newsletter. The newsletter needed to contain age-appropriate material and be professional in appearance.

Student Work Sample

Willow High School 321 Northeast Lane Rochester, NY 14454 (Telephone Number)

October 2, 1995

Ms. Ellen Randel Maple Elementary School 123 Hilltop Avenue Rochester, NY 14454

Dear Ms. Randel:

Halloween is fast approaching. This means ghosts, goblins, witches, candy, and all the other goodies that come along with trick-or-treating. Being the principal of a K-3 school, I'm sure you know how excited children can get around this candy- and costume-filled holiday. In my business class, at Willow High School, we are creating Halloween newsletters geared toward K-3 students.

These newsletters are allowing us to demonstrate and utilize the skills we have acquired in word processing and desktop publishing. We are working with a variety of fonts, columns, shading, graphics and everything that falls under document formatting. This newsletter is also an opportunity for us to share Halloween safety tips, jokes, games, and stories with your K-3 students and their parents.

I know how exciting elementary schools can be on October 31. This newsletter will add to the excitement, bringing out more Halloween spirit at Maple Elementary School. My classmore manoween spirit at mapic Elementary School My classes mates and I would greatly appreciate the opportunity to share these newsletters with your students and parents. Please contact my instructor, Jim Oaks, at Willow High School, if you are interested in a newsletter for your students.

I look forward to hearing from you.

Sincerely,

Performance Indicators

Students:

- . . .demonstrate an understanding of business, marketing, and multinational economic concepts. . .
- . . . select, apply, and troubleshoot hardware and software used in the processing of business transactions
- . . .prepare, maintain, interpret/analyze, and transmit/distribute information in a variety of formats while demonstrating the oral, nonverbal, and written communication skills essential for working in today's international service-/information-/ technological-based economy
 - . . .identify, organize, plan, and allocate resources. . .
 - . . .exhibit interpersonal skills essential for success in the multinational business world, demonstrate basic leadership abilities/skills, and function effectively as members of a work group or team.

Commentary

- shows the student organized thoughts in a clear and concise
- · indicates the student understood and used appropriate business letter format
 - · demonstrates the student's ability to use a computer system and appropriate software in generating the form letter, performing a mail merge, producing mailing labels, and designing the newsletter
 - illustrates the student's ability to write, develop age-appropriate material, and produce a newsletter with eye appeal, ease of reading, and attractiveness
 - · indicates the student could effectively function as a member of a work group
- · demonstrates the student understood and applied the problemsolving/decision-making process.

Happy Halloween

OCTOBER 1995

SPOOKY NEWS

 \Rightarrow

COSTUMES

You should always wear bright colored costumes when you go out Trick or Treating. (Especially at night so people can see you!)

ONE MAIN RULE

STAY SAFE

SAFETY TIPS:

- ⇒ WEAR BRIGHT COLORS \Rightarrow GO OUT WITH AN ADULT
- STAY IN A NEIGHBORHOOD WHERE YOU KNOW THE PEOPLE DON'T EAT CANDY UNTIL YOUR MOM OR DAD LOOK AT IT



SAFETY TIPS FOR YOU

- Always go trick-or-treating with your mom or dad. Carry a flashlight with you.
- Don't eat any candy unless your mom or dad has looked at it. Press in bright colors. (For example white)
- Go trick-or-treating before it gets dark outside. A Make sure you can see through your mask.

TMASKFHB RFCURLAG SMJZALA ANDYSLN KFPGXHOT OETHSLWU RTBONIEL YZSDGEQ RWITCHNV EOHCATXF J DBTEPU PUMPKI

Happy Halloween Word Search

See if you can find these Halloween Words in the puzzle

masks candy pumpkin cat (there are 2) safety flashlight trick-or-treat fun witch ghost Halloween

Standard 3b—Career Majors: Business/Information Systems

Context

Specialized

Student Work Sample

As part of a business simulation, eleventh-grade students in a computerized accounting course had to develop and prepare numerous financial reports, including an income statement, a statement of owner's equity, and a balance sheet.

Performance Indicators

Students:

. . .demonstrate an understanding of business, marketing, and multinational economic concepts, perform businessrelated mathematical computations, and analyze/interpret business-related numerical information

. . . select, apply, and troubleshoot hardware and software used in the processing of business transactions

. . .prepare, maintain, interpret/analyze, and transmit/distribute information in a variety of formats while demonstrating the oral, nonverbal, and written communication skills essential for working in today's international service-/information-/technological-based economy

. . .demonstrate an understanding of the interrelatedness of business, social, and economic systems/subsystems.

Income Statement Piper's Plumbing and Heating 186100.00 nue: Plumbing Fees Earned Heating Fees Earned 117600.00 303700.00 303700.00 Net Sales Gross Profit Gross Profit Operating Expenses: Depr. Expense, Building Depr. Expense, Trucks Wages Expense Insurance Expense Office Supplies Expense Repair Supplies Expense Gas, Oil, Repairs Expense Gasel & Administrative Exp 5000.00 72290.00 2700.00 8995.00 80400.00 14930.00 48000.00 252315.00 51385.00 Total Operating Expenses Income from Operations 51385.00 Other Revenues: 51385.00 Other Expenses: Net Income

Commentary

- shows the student can work with and interpret complex financial data in a job-like atmosphere
- illustrates the student can use business-related hardware and sophisticated software to perform complicated employment-like tasks and activities
- demonstrates the student can interpret, analyze, and use a variety of accounting source documents to develop and produce complex financial reports
- confirms the student can effectively work with realistic financial systems/subsystems and accounting software similar to that used in business accounting offices and departments.

Owner's Equity Statement

Piper's Plumbing and Heating

174600.00

Capital-Bill Piper, 12/01/95 Investments by owner Net Income

51385.00 0.00 51385.00 _----225985.00 30000.00

Less Owner's Withdrawals

195985.00 =======

Capital-Bill Piper, 12/31/95

Balance Sheet

Piper's Plumbing and Heating Dec 31, 1995

Assets

Current assets:

Cash 19445.00 730.00 7600.00 3800.00

31575.00 Total current assets Long-term assets:

 Trucks
 82000.00

 Accum. Depr., Trucks
 (60000.00)

 Building
 185000.00

 Accum. Depr., Building (37000.00)

Total long-term assets 170000.00 _____

Total assets 201575.00 =======

Liabilities

Current liabilities: 4000.00 Accounts Payable 990.00 Wages Payable

Unearned Heating Fees 600.00

Total current liabilities 5590.00

Total liabilities 5590.00

Owner's Equity
Capital-Piper, 12/31/95 195985.00

195985.00 Total equity _____ 201575.00 Total liabilities and equity