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ABSTRACT
This fifteen-module gamebook is part of a multi-media curriculum pac: age aimed at informing students in grades 6 through 9 about women's work projects and problems and new opportunities for wesen in nontraditional occupations: it is also designed to help students engage in school activities to explore skilled trade and technical fields. Specific topics of the thirty activities contained in the modules include student goals and perceptions of the world of work, sex stereotypes, nontraditional cccupations for women, family rudgets and the role of the working housewife in contributing to favily income, working with basic tools. working with electricity. lifting and moving objects, using math for design purposes, the multiple applications of eight basic trade skills, aciual exposure to wowen at wCrk in trade occupations. jcb opportunities and salaries available to members of twenty-four different trades. opportunities for learning trade and technical skills in school. learning about the world of work, definitions of traderrelated terms, and coping with fressures against entering nontraditional occupations. Among the novel formats employed in individual games are bingo, quiz shows. finding hidden objects. role playing, and auctions. (The leader's guide is available separately through ERIC--see note.) (MN)

A Program
for Middle School Students; about

Developed by:
The Boston YWCA
140 Clarendon Sireet
Boston, Massachusetts 02116

Women's Educational Equity Act Program
U.S. EDUCATION DEPARTMENT
U. 5 DEPARTMENT OF HEALTH. EOUCATION G WELFARE NATIONAL INSTITUTE OF EOUCATION

Shirley M. Hufstedler, Secretary

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## Creditss

| Boston YWCA Project Staff | Vivian Guilfoy. Director <br> Martha Fowlke: 1ssistant Director <br> Mary Thompson, Field Director <br> Carol Hulsizer, Gurriculum Developer <br> Mardell Grothe. i isthator |
| :---: | :---: |
| Curriculum Consultant | Nancy Otson |
| Art Director and Designer | Judith Merryman |
| Illustrators | Jim Venable Joan Loewenberg Judith Scribner |
| Audio-Visual Producers | Afro Audio-Visual Company: Musa Eubanks: Pamela Taylor |

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## Boston School Department

## District I

## District II

Lucille Hayes, Director of Career Education for Middle Schools; John Diggins. Director of Guidance
Anne OBrien. Community District Superintendent; Raymond Cheek. District Vocational/Occupational Coordinator
Edison Middle School: Joseph Bage. Principal: Elizabeth Feldman, Guidance Advisor; Ross Scarcella. Career Coordinator/Guidance Advisor: Kathy Weddleton, Math Teacher
Mead Middle Scheol: Dean Yarbrough, Principal: Fiizabeth Babine. Reading
Teacher.
Robert T. Peter Kin, Community District Superintendent: Themas Giachetto,
District Vocational/Occupational Coordinator
T. Reoservelt Midelle School: Clifford Saney, Principal: Albert Powers, Math

Teacher
MA: Cirley Middle School: Daniel E., Kearns, Principal: Joan Eldridge.
Guidance Advisor

## District IV

Leo Howard. Community District Superintendent: Stanley Burrell, District Vocational/Occupational Coordinator
Thompson Middle School: Gerald Hill. Principal: Jerry Robinson, Health Teacher;
Betty Heller, Home Economics Teacher: Myrtlene Mayfield. Reading Teacher: Etta Garrett, Music Teacher

| District VI | Joseph McDonough. Community District Superintendent: Charles Burgess. District Vocational/Occupational Coordinator Gatin Middle School: William Glennon. Prircipal; Ed Killean. Career Coordinator; Connie Callahan. Math Teacher |
| :---: | :---: |
| District VII | John McGourty. Community District Superintendent: Daniel Sullivan. District Vocational/Occupational Coordinator <br> Edwards Middle School: Thomas McLoughlin, Principal: Mary Anne McDonald |

Home Economics Teacher

## District VIII

## District IX

Peter Ingeneri. Community District Superintendent; Daniel Sullivan, District Vocational/Occupational Coordinator
Barnes Middle School: John Daley. Principal; C. Frank Celona. Career Coordinator: John Earley, Industrial Arts Teacher
Roger Beattie, Acting Community District Superintendent: Gloria Ray, District
Vocational/Occupational Coordinator
Mario Umana Harbor Scheol of Science and Tedheolegy: Gustave Anglin.
Headmaster; Cora Ott, Career Coordinator: Mavlyn Cargill. Reading Teacher: Thomas Martin. Reading Teacher
Phyllis Wheatley Middle School: Eugene Ellis, Principal: Marsha Young. Career Coordinator; Linda Dow. Reading Teacher
Madison Park High School: Thomas Hennessy. Headmaster: Joseph McDonald. Career Education/Industrial Arts Teacher: Don Boyd. Career Coordinator; M. McBride. Reading Teacher

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3 This Book Belongs to . . .

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## This Book Belongs to...

## Name

## Grade

## Schoof

ARE YOU READY TO START MAKING CONNECTIONS?

LET AS GO!
YOUR CLASS LEADER WILL
TELL YOU WHEN TO TURN THIS PAGE TO BEGIN...


## Preatictions

## Game Rules

To predict your own future, check YES or NO under Column 1 (Me). When the girls and boys in each group have been counted, fill in the totals under Column 2 (Girls) and Column 3 (Boys).

## Predictions Chart

I'l2 probably . . .

1. Work when I graduate from high school or college
2. Get married
3. Quit working if I get married
4. Quit working if I have kids

I'll probably work to . . .
5. Support myself--pay for basics like food, rent, and clothes
6. Earn only enough to pay for extras like a stereo or a new car
7. Do something that interests me

## Real-Life <br> siices

## Game Rules

In art and literature, the phrase "a slice of life" describes how things really are. Each slice of the pie below shows part of a true fact about women and work. Guess the answers to fill in the blanks and see how the true facts all add up.

## 



## Lorraine and Larry





Candid Camera Comies




## Picking Up Signals

## Game Rules

Children pick up signals about work for women and work for men from toys, TV, and what they see their parents do. On this page are some things children play with or see around the house. Look at them and answer the questions below.

Which of these toys do girls usually get? What jobs do they make you think of? Which do boys usually get? What jobs do they make you think of?


What does this TV picture tell you about jobs for women and jobs for men?


What signals do children pick up from what mothers and fathers do?


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## Picking Up Signals

 On this page are some things children hear. What signals come through from statements or questions like these?

 TOO HEAVY FOR HER TU CARRY.


Just like a boy: He's always toking things

## NTPOZ ancel Po



## Pr



M GONG TO BE WITAT以ATNTEDEE AND DO
 $\frac{312}{1-25}$


## Job Relay

Game Rules

## The Gome Plan

- Within a time limit of 10 minutes, Team A must list on the chalkboard Scoreboard names of jobs that men usually hold.
- Within the same time limit, Team B must list names of jobs that women usually hold.
- Players must observe all the rules of the game or their team will be disqualified.


## To Play the Game

Step 1. Player 1 from Team A goes to the front of the room, shakes hands with all three Experts, and writes a job name on the board under the column headed "Jobs Men Usually Have." Player 1 from Team B does the same thing, using the columin headed "Jobs Women Usually Have."
Step 2. Player 1 then returns to his/her seat, shakes hands with Player 2, and sits down.

Step 3. Player 2 goes to the board (without shaking hands with the Experts), writes a job name, returns, and shakes hands with Player 3, who then goes to the board, etc. At the end of his/her turn, Player 6 shakes hands with Player 1 to keep the team going.

Step 4. Play continues in this fashion until the timer bell signals that the time limit is up.

Step 5. A Player who cannot think of a job name during his/her turn may ask one of the Experts. The Player then shakes hands with the Expert who provided the name, returns to his/her seat, and shakes hands with the next Player. If the Expert cannot provide a name, the Player loses his/her turn and the next Player goes to the board.

Step 6. The team that has listed the most names when the time limit is up wins the game.

## Stump <br> the Experts

## Game Rules

Answer these questions by circling one of the answers listed below each one.

1. People in the United States work in more than 20,000 different types of jobs. The government groups these jobs into 441 separate occupations. In how many of the 441 occupations do women work?
a) about 65
b) about 185
c) about 20
2. The government also publishes information describing workers and wages in different occupations. In the ten lowest paying occupations, the workers are:
a) almost all men
b) almost all women
c) about half and half
3. Men who work full time generally earn:
a) about the same as women who work full time
b) a little more than women who work full time
c) almost twice as much as women who work full time
4. A head of household is the person who supports the family. Government figures for 1976 showed that male heads of household earned about $\$ 245$ a week. What did female heads of household earn?
a) about $\$ 156$ a week
b) about $\$ 200$ a week
c) about $\$ 245$ a week
5. A woman with a high school degree earns:
a) much more than a man with only an 8th grade education
b) less than a man with only an 8th grade education
c) the same as a man with only an 8th grade education
6. Most women have low-paying jobs because:
a) women don't have job skills for occupations that pay well
b) women don't work hard enough
c) women don't really care about earning money
7. Most women don't have job skills for occupations that pay well. Most often, it's because:
a) women are not capable
b) women are not allowed
c) women are not encouraged to learn these skills in school

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# Government Facts that are 监 Eye-Openers 

## Eye-Opener 1

| In the U.S. there are: | Women work in: | $80 \%$ of all women work in: |
| :--- | :--- | :--- |
| About 447 occupations | About 20 occupations | Only about 4 job fields: <br> o clerical work <br> e service industries' <br> e retail sales <br> - factories and plants |

## Eye-Opener 2

Ten lowest paid U.S. occupations
Practical nurses

Hairdressers and cosmetologists
Cooks


Health aides, except nursing
Nurse aides


Sewers and stitchers
Farm laborers


Dressmakers and seamsters
School monitors


Child-care workers
 about 63\% about 84\% about 85\% about 94\%
about 13\%
about $96 \%$
about 91\%
about 93\%

## Eye-Opener 3

- Men who work full time earn about \$14,600 a year
- Women who work full time earn about \$8,600 a year
- Most working women earn about \$6,000 a year less than most working men


## The Case of the Missing Young Woman


Below are some real-life "case histories." The young woman who belongs in each story is missing from the picture next to it.

From Column 2, choose a picture that illustrates each missing young woman. Draw a line from the young woman to the picture she belongs in in Column 1. Then answer the questions at the end of each case history.

Column 1

1. Doris works as a clerk in a supermarket. Don drives a truck that delivers breads and cakes to Doris' store. Who earns more? Why?
$\qquad$
$\qquad$
$\qquad$
$\qquad$
2. Roxanne, a clerk-typist, has worked at a television station for five years. Roy, an assistant electrician, started at the station three months ago. It is his first job. Who earns more?
$\qquad$
$\qquad$
$\qquad$
3. Janice and Sam earn the same salary. Janice is a licensed practical nurse. Sam is a parking lot attendant. Who spent more time on training?
$\qquad$ More money on training? $\qquad$
$\qquad$
$\qquad$
$\qquad$
4. Ben and Diana were good students in high school. In addition to regular courses, Ben took Auto Mechanics. Diana took Home Economics. They got married and decided that both would work for a while to save for a family. But one of them had a lot of trouble finding a job. Which one? Why? $\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

## Super <br> Challenge

## Reporter's Record Chart

## Game Rules

Each group will choose two Reporters, one girl and one boy.
The Reporters' jobs are to:
Step 1. Set the timer for five minutes or use a watch or the classroom clock to time the person doing the task. Tell the person when to start and stop.
Step 2. When the five minutes are up, decide whether the person did or did not complete the task and check the answer in Column 1 of the chart below.

Step 3. Ask if the person thought the task was hard or easy and check the answer in Column 2.
Step 4. Ask if the person would like or would not like a job with tasks like this. Check the answer in Column 3.

The Reporters, as a team, will make a report on the students in their group who tried the Super Challenge task.

| Group | Gir?s Who Tried the Task |  |  |  |  |  | Boys Who Tried the Task |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Column 1 |  | Column 2 |  | Column 3 |  | Column 1 |  | Column 2 |  | Column 3 |  |
|  | $\frac{\stackrel{\rightharpoonup}{\Psi}}{\stackrel{\rightharpoonup}{\sim}}$ |  |  |  |  |  |  |  |  |  |  |  |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  |  |  |

## Changing <br> Can't to Can

## Game Rules

Have you ever said to yourself, "I CAN'i do that?" Sometimes people say they CAN'T before they even TRY.

Answer the questions and do the activities below. You'll see how simple it is to change from CAN'T to CAN.

1. Put a check mark in front of the statement or statements below that you think are true.
a) Girls can thread a tackboard much better than boys.
b) Girls and boys can thread a tackboard about the same.
c) Boys can thread a tackboard much better than girls.
2. Write the name of something that is like the tackboard activity that almost everyone over the age of three can do.

Almost everyone can $\qquad$
3. Four of the workers below perform tasks in their jobs that are similar to the tackboard activity. Draw a circle around each one.

Jazz musician


Telephone technician


Computer repairperson

Secretary


Truck driver


Electrician


Weaver


Bank teller

4. Turn to the next page of your Gamebook. Can you detect the secret message?

The message is: $\qquad$

## 

Does this diagram look familiar to you? This time, connect the dots with a pencil line. When you're done, turn the page sideways. Can you make out the secret message?



## 18



Step 6.
Stop pencil line here.

jiep 2.
Stop pencil line here.


Step 4.
Stop pencil line here.
$2 \%$

## Think of It This Way

## Game Rules

People used to say that wonen can't handle men's work or can't feel comfortable working with men. But if you really think about this . . .

| "Men's" work requires | Many women |
| :--- | :--- |
| 1. Physical strength | - lift heavy furniture <br> : carry children <br> e carry loaded shopping bags |
| what else? |  |

2. Getting dirty, grubby or greasy

3. Mechanical skills

4. Mathematical skjlls

5. Getting along with men

6. Working outside


- clean ovens, stove tops, floors
- cut up and prepare oily foods
* cultivate house plants and gardens
- what else? $\qquad$
$\qquad$
drive cars
- follow road maps
- operate sewing machines
- follow pattern instructions
- what else? $\qquad$
- follow cooking recipes
- keep family or office acounts
- find bargain prices
- what else? $\qquad$
$\qquad$ $-$
- take coed classes
- enjoy football, baseball, and other sporting events
- work with men in restaurants, factories, hospitals
- what else? $\qquad$
- spend hours outdoors in playgrounds with children
- eniuy hiking, tennis, and other fresh air activities
- work as school or traffic guards
- what else?


## Reacli (1)

## 

Start building career skills early. You'll be like a tree with strong roots, able to reach for the sun, the moon, and the stars.
Don't miss out on chances in school to improve your math, science, and physical fitness, and to learn to use different kinds of tools. These skills will give you more freedom to branch out when you're ready to choose an occupation for your own future.

Fill in the missing letters below. They'll spell out a word that's important for both girls and boys in preparing for the work world. You'll be doing it soon in CONNECTIONS.


## Lucky Knocko

## Game Rules

The Gome Plan

- Lucky Knocko is played like Bingo.

On the next few pages you will find several different Lucky Knocko boards, labeled Game Board A, Gome Board B, Gome Board $C$, etc. The class leader will tell you which one you will play the game on.

- The class leader will also give jou a handful of small objects to use as markers.

To Play the Gome
Step 1. Start by covering the Lucky Knocko space in the center of your board with one of the markers.

Step 2. The Caller draws numbers at random from the pile and calls them out, keeping a record of those that have been called.

Step 3. As each number is called, cover the space on your board that has the same number.

Step 4. If you cover five spaces in a row (up, down, across, or diagonally), knock on wood (desk or floor) to show that you have won!

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## Gatre Boaral


Knock on wood when you are a lucky winner! You'll know the names of some occupational fields that offer good opportunities for working men and women.

To push your luck further, turn your Lucky Knocko board over to see some of the tools workers use in the fields shown in your winning row. In the next few years, you'll have opportunities in school to learn to use many of these tools.


| Machine Tool Trades | Transportation | Drafting Occupations | 20 <br> Small Engine Repair | 16 <br> Copy \& Business Machine Repair |
| :---: | :---: | :---: | :---: | :---: |
| Environmental Sciences Occupations | Electrical Occupations | Instrument Repair | Radio-TV Repair | 19 <br> Painting \& Paperhanging |
| Air Conditioning, Heating \& Refrigeration | Railroad Occupations |  | Metalworking Trades | 24 <br> Firefighting \& Law Enforcement |
| I <br> Computer Assembly \& Repair | 12 <br> Large \& Small Appliance Repair | Electronics Occupations | Plumbing <br> \& Piping | Automotive Occupations |
| Telephone Craft Occupations |  |  | 10 <br> Building Maintenance Occupations | Carpentry <br> \& Cabinet Making |


| Machine Tool Trades | Transportation | Drafting Occupations | Small Engine Repair | Copy \& Business Machine Repair |
| :---: | :---: | :---: | :---: | :---: |
| Environmental Sciences Occupations | Electrical Occupations |  <br> Ins trument Repair | Radio-TV Repair | Painting \& Paperhanging |
| Air Conditioning, Heating \& Refrigeration |  <br> Railroad Occupations |  | Metalworking Trades | Firefighting \& Law Enforcement |
| Computer Assembly \& Repair | Large \& Small Appliance Repair | Electronics Occupations | Plumbing <br> \& Piping | Automotive Occupations |
| Telephone Craft Occupations | Heavy Equipment Occupations | Commissioned Sales Occupations | Building Maintenance Occupations | Carpentry <br> \& Cabinet Making |

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## Gambe Bocrel B

Game Rules
Knock on wood when you are a lucky winner! You'll know the names of some occupational fields that offer good opportunities for working men and women.

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| Machine Tool Trades | Transportation | Drafting Occupations | Small Engine Repair | Copy \& Business Machine Repair |
| :---: | :---: | :---: | :---: | :---: |
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| Air Conditioning, Heating \& Refrigeration |  <br> Railroad Occupations |  | Metalworking Trades | Firefighting \& Law Enforcement |
| Computer Assembly \& Repair | Large \& Small Appliance Repair | Electronics Occupations | Plumbing <br> \& Piping | Automotive Occupations |
|  <br> Telephone Craft Occupations | Heavy Equipment Dccupations |  | Building Maintenance Occupations | Carpentry <br> \& Cabinet Making |

## Game Bcatic

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| 1 <br> Machine Tool Trades | 14 <br> Transportation | Drafting Occupations | Small Engine Repair | 21 <br> Copy \& Business Machine Repair |
| :---: | :---: | :---: | :---: | :---: |
| Environmental Sciences Occupations | Electrical Occupations | Instrument Repair | Radio-TV Repair | Painting \& Paperhanging |
| Air Conditioning, Heating \& Refrigeration | Railroad Occupations |  | Metalworking Trades | Firefighting \& Law Enforcement |
| 16 <br> Computer Assembly \& Repair | 10 <br> Large \& Small Appliance Repair | Electronics Occupations | Plumbing \& Piping | Automotive Occupations |
| Telephone Craft Occupations | Heavy Equipment Occupations |  | Building Maintenance Occupations | 22 <br> Carpentry <br> \& Cabinet Making |


| Machine Tool Trades | Transportation | Drafting Occupations | Small Engine Repair | Copy \& Business Machine Repair |
| :---: | :---: | :---: | :---: | :---: |
| Environmental Sciences Occupations |  | Ins trument Repair | Radio-TV Repair | Painting \& Paperhanging |
| Air Conditioning, Heating \& Refrigeration |  <br> Railroad Occupations |  | Metalworking Trades | Firefighting <br> \& Law <br> Enforcement |
| Computer Assembly \& Repair | Large \& Small Appliance Repair | Electronics Occupations | Plumbing <br> \& Piping | Automotive Occupations |
|  <br> Telephone Craft Occupations | Heavy Equipment Occupations | Commissioned Sales Occupations | Building Maintenance Occupations |  |

## Gathe Board D


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| 10 <br> Machine Tool Trades | Transportation | Drafting Occupations | Small Engine Repair | I9 <br> Copy \& Business Machine Repair |
| :---: | :---: | :---: | :---: | :---: |
| 2 <br> Environmental Sciences Occupations | Electrical Occupations | Ins trument Repair | Radio-TV Repair | Painting \& Paperhanging |
| 14 <br> Air Conditioning, Heating \& Refrigeration | 20 <br> Railroad Occupations |  | Metalworking Trades | Firefighting \& Law Enforcement |
| Computer Assembly \& Repair | Large \& Small Appliance Repair | Electronics Occupations | Plumbing <br> \& Piping | Automotive Occupations |
| Telephone Craft Occupations | 12 <br> Heavy Equipment Occupations | Commissioned Sales Occupations | Building Maintenance Occupations | Carpentry <br> \& Cabinet Making |


| Machine Tool Trades | Transportation | Drafting Occupations | Small Engine Repair | Copy \& Business Machine Repair |
| :---: | :---: | :---: | :---: | :---: |
| Environmental Sciences Occupations | Electrical Occupations |  <br> Instrument Repair | Radio-TV Repair | Painting \& Paperhanging |
| Air Conditioning, Heating \& Refrigeration |  <br> Railroad Occupations |  | Metalworking Trades | Firefighting <br> \& Law <br> Enforcement |
| Computer Assembly \& Repair | Large \& Small Appliance Repair | Electronics Occupations | Plumbing <br> \& Piping | Automotive Occupations |
|  <br> Telephone Craft Occupations | Heavy Equipment Occupations |  | Building Maintenance Occupations |  | 38

## Game Board E


Knock on wood when you are a lucky winner! You'll know the names of some occupational fields that offer good opportunities for working men and women.

To push your luck further, turn your Lucky Knocko board over to see some of the tools workers use in the fields shown in your winning row. In the next few years, you'll have opportunities in school to learn to use many of these tools.


| 15 <br> Machine T(,ol Trades | Transportation | 6 <br> Orafting Occupations | 21 <br> Small Engine Repair | 3 <br> Copy \& Business Machine Repair |
| :---: | :---: | :---: | :---: | :---: |
| 14 <br> Environmental Sciences Occupations | 3 <br> Electrical Occupations | II <br> Instrument Repair | Radio-TV <br> Repair | 13 <br> Painting \& Paperhanging |
| I2 <br> Air Conditioning, Heating \& Refrigeration | 2 <br> Railroad Occupations |  | 16 <br> Metalworking Trades | 10 <br> Firefinhting \& Law Enforcement |
| Computer Assembly \& Repair | Large \& Sinall Appliance Repair | 10 <br> Electronics Occupations | Plumbing <br> \& Piping | Automotive Occupations |
| Telephone Craft Occupations |  | Commissioned Sales Occupations | 211 <br> Building Maintenance Occupations | 22 <br> Carpentry <br> \& Cabinet Making |


| Machine Tool Trades | Transportation | Drafting Ocrupations | Small Engine Repair | Copy \& Business Machine Repair |
| :---: | :---: | :---: | :---: | :---: |
| Environmental Sciences Occupations |  |  <br> Instrument Repair | Radio-TV Repair | Painting \& Paperhanging |
| Air Conditioning, Heating \& Refrigeration |  <br> Railroad Occupations |  | Metalworking Trades | $\underset{\substack{\text { Firefighting } \\ \text { \& Law } \\ \text { Enforcement }}}{\substack{n ? n}}$ |
| Computer Assembly <br> \& Repair | Large \& Small Appliance Repair | Electronics Occupations | Plumbing <br> \& Piping | Automotive Occupations |
|  <br> Telephone Craft Occupations | Heavy Equipment Occupations | Commissioned <br> Sales <br> Occupations | Building Maintenance Occupations |  |

## Game Board F

 Knock on wood when you are a lucky winner! You'll know the names of some occupational fields that offer good opportunities for working men and women.

To push your luck further, turn your Lucky Knocko board over to see some of the tools workers use in the fields shown in your winning row. In the next few years, you'll have opportunities in school to learn to use many of these tools.

| Machine Tool Trades | Transportation | Drafting Occupations | Small Engine Repair | 30 <br> Copy \& Business Machine Repair |
| :---: | :---: | :---: | :---: | :---: |
| Environmental Sciences Occupations | 1 <br> Electrical Occupations | 19 <br> Instrument Repair | Radio-TV Repair | Painting \& Paperhanging |
| 12 <br> Air Conditioning, Heating \& Refrigeration | 13 <br> Railroad Occupations |  | Metalworking Trades | 3 <br> Firefighting \& Law Enforcement |
| 23 <br> Computer Assembly \& Repair | 1. <br> Large \& Small Appliance Repair | Electronics Occupations | 22 <br> Plunbing <br> \& Piping | 16 <br> Automotive Occupations |
| 14 <br> Telephone Craft Occupations | 24 <br> Heavy Equi iment Occupations | 17 <br> Commissioned Sales Occupations | 11 <br> Building Maintenance Occupations | 21 <br> Carpentry <br> \& Cabinet Making |


| Machine Tool Trades | Transportation | Drafting Occupations | Small Engine Repair | Copy \& Business Machine Repair |
| :---: | :---: | :---: | :---: | :---: |
| Environmental Sciences Occupations | Electrical Occupations | Ins trument Repair | Radio-TV Repair | Painting \& Paperhanging |
| Air Conditioning, Heating \& Refrigeration |  <br> Railroad Occupations |  | Metalworking Trades | Firefighting \& Liw Enforcement |
| Computer Assembly \& Repair | Large \& Small Appiliance Repair | Electronics Occupations | Plumbing <br> \& Piping | Automotive Occupations |
|  <br> Telephone Craft Occupations | Heavy Equipment Occupations | Commissioned <br> Sales <br> Occupations | Building Maintenance Occupations |  |

## Job Market

## Game Rules

On this and the next three pages are employment ads from a Boston newspaper. In three minutes, circle all the ads you can find for jobs that are nontraditional for women. There are at least 18 ads for nontraditional jobs.

MASONEILAN, a leader in the manufacture of Process Control equipment, has the following positions available.

## DESIGN DRAFTSPERSON

'The individual we seek will make design layouts from oral or written instructions or from data originating from engineers or product specialists. May make subsequent detail or assembly drawings and bills of material for new equipment and will interface with other departments to ensure completion of projects. A minimum of $3-5$ years of applicable experience required.

## DETAIL DRAFTSPERSON

Will prepare detailed drawings of a complicated nature from sketches. scale layouss or from specified dimensions and will make assembly drawings and certified dimensional drawings from details. Will make simple layout and new detailed drawings of parts. A good knowledge of drafting techniques is necessary as well as some background in engineering procedures.

To learn more of these challenging positions offering excellent salaries and
full tringe benefits, please send a detailed resume and salary history in complete confidence to:

## Barbara Gold

Masuneilan

Masoneilan International. Inc. 63 Nahatan Street Norwood, MA 02062
an affir mative action employer m. $i$



Our General Engineering Department has a position available for an experienced secrelary to work with one of our Project Managers. We require 3 to 4 years secretarial experience. typing of 65 wpm and shorthand of 90 wpm . Secretarial school and/or engineering experience a plus.

## CLERK TYPIST

Our Computer Applications Department has a position available for an experienced clerk typist. Two to 3 years experience required. Experience in a computer depariment desirable.
Both positions offer excellent starting salary and a competitive benelits; package.
call 338-6000, ext. 2224
to arronge for an interview



The local distributor for the Caterplliar Tractor Company (Towmotor) and Barrell electric trucks handling sales and service for their complete line of fork-lift equipment has an opening for the North Shore sales territory for an aggressive individual who can close a sale and has had previous experience calling on Industrial accounts.
This position offers unlimiled potential for growth commensurate with ability.
If you are qualilied, please call Walter Winston at 4356321 for an appointment.

## MAINTENAMCE MECHAHIC

Buat have electical and mechemical knowiedge, some welding; 2nd class stationary fireman's license preferred but not necessary. Apply:

## MORGAM SERYICES. INC.

941 MASS. AVENUE
BOSTOM, MA. 02118
Intarviews B.if AM A $1+3 \mathrm{PM}$
OFFSET

## PAYROLL CLERK

Looking for an individual with 2 years payroll experience and the ability to learn quickly. Proficiency with an adding machine a must.
PJease call Bev Cohen, 9565673, between 10 a.m. and 12 noon. Personnel Otfice: 37 Bennet St., (off 171 Harrison Ave.), Boston.
An equal opply. employer M/F

rupricell epriter fiought lufta now england madical center hospltal

EEDERS for Harris and Heldelpere. 2nd shift. Excmp lant fringe benefita. Proft sharing Apply RON
COMEAL at Ap COMEAU at DANIELS PRIMTING CO. 40 COMMERCILL ST. EYERETT, MA
389-7900

## FIGURE CLERKS

Ability to analyze differences between agency premium records and company premium records to assemble, calculate and check various statistical data in the preparation of reports and exhibits. Good communicative skills required.

## - TYPISTS <br> -Conventional and Statistical

Good typing skills required as well as basic mathematical ability.

Excellent fringe benefit program. company cafeteria, convenient to Mass Transit. Apply Personnel Department. One Beacon St., 8th floor, Boston, MA 02110.


Commercial Union Assurance Companies

An equal apply empiover Mif

## Clinical Laboratory Assistant

Full time day position available in a Department of Laboratory Medicine performing a variety of phlebotomy. technical and clerical duties. C.L.A. certified or equivalent. Minimum of 3 months phiebotomy experience is required. Salary and benefits are both fine.

Ploase call or send resume to Mary Carrigan, Employee Relations, University Hospltaf, 75 E. Nowton Strest, Boston, MA 02118.


## DENTAL ASSISTAHT

20 hours. General dentistry in community health ceriter. Chairside Assistant in modern office.

Contact Dr. Feldbau or Dr. C. at 522-4700

> BROOKSIDE PARK FAMILY LIFE CENTER 3297 Washington St., Jamaica Plain, MA 02130.
(Affiliated with Peler Bent Brigham Hospital) An Affirmative Action Empioyer


## TEACHER OPENING SMALL GAS \& MARINE ENGINES

Aequirements: 6 yenis trade expertence 8 must tue conIffable by the Mass. Division of Occupational Edwcition. Call or write for application to

> NOATHSHORE REGIONAL VOCATIONAL SCHOOL DISTRICT 20 Balch St. Beverly, Mass. 01915

> 927-6178
> An equatl opporthrmit rmflayer

## PERMANENT 8 TEMPORARY <br> (SOMENO. SH. NO EXP.) LEGAL SECYS. TYPISTS-ENTRY WORD PROCESS CALL THE EXPERTS

. . 227-3500 . .
Bosion's leading lead secre lariat glacement agency known and respected Inroughout New Einglana

## NO FEES

Permarrent wosition's to $\$ 25 n$ * Some ra whs vo + itil meris to \$oinir Best firm.
ribss
Legal
Bureau
H School St., Boston

## AUTOMOTIVE MECHAHIC

Light Shop Work
Immediate oponing tor a :lass a merrmaric will mumbum $3-5$ yoors of experiorice nind tic familiar periorice nind lale model cilis Atility 10 do tune-ups. brike ,ubs, dir-coridition ing and ignition woik Posilion at Logan Aur port Good salary and

Gial tor apporntrionl
$(617) 569-7272$
THE HERTZ CORP Ari timuan opDty empios ar nitf.


HOATH SKOPE
Immediale ofening avalable for salesperson with route sales ex Guar salary whilo 288-855 from 9 a.m. -4 p.m.

## DISC JOCKEY

LOOMING for crealive wellbalinceri. imasiriative Disc bokkey willing to rolrseate in Denver afos. now Clill great ule (iall i-604-405-76i6 eves

## TYPISTS

Salary: \$135-\$141
Interesting iyping por. tions using underwriting surce documeata. No exprerinnce required. 4ij-50 npm.

Ciall Personne?:
357-7:9.94
357-7293

## KEYPUNCH

Data entry operator needed for full time evening position. 3-11 p.m. shift, 1-2 years' experience preferred.
Excellent fringe benefits and shith differential.

Please call
Jill S. Cohen, 890-6161
SmuthkIune Clinucal Laboratories. inc.

343 Winter Street
Waltham, Mass. 02154
An equal opportunity employer

## EXPERIENCED KITCHEN PERSON

Good working conditions. Night nours

WAITERS-WAITRESSES Days

Apply in person
HAROLD'S RESTAURANT
Chestnut Hill Mall
199 Boylston Si., Newton

|  |
| :---: |
|  |  |

## TECHNICIANS ELECTRONIC AND MECHANICAL Sevirtu are needed for it arowng new teinnology company the teximglon ared. Will be concerned with both process and wroduct develnpment in wise:tio.mechancal systeins




## ELECTRONIC TECHNICIANS (5) <br> 





## TECHMICIAN/WIRER [2]

Should kirim lexil rabipment, hive abilly to vuitd and tes dnatce and digital Eir rustry with titte supurvision Galarits are comifelitive. benetits are exceltent and working condhons $\therefore$ te super
 arid restumis to

## RAYMOND H. EROWN

## LOUIS RUDZINSKY ASSOCIATES <br> Exucurve Search Consultant: 1656 inass fve. Lexington MA rj2173

 862-6727
## RN'S-LPN'S

PARKWELL Nursing home is a 120 bed skilled Nursing Facillty accredited by The Joint Commission on Accreditation of Hospitals. We currently have the following positions avallable:

## PART-TIME 3-11 AND 11-7 SHIFT

Our working conditions are excellent. Full time benefits include paid BC/SS, Master Medical, paid 13-week extended sick leave program, paid life insurance, paid vacations and immediate paid holidays. Please make application between the hours of $9 \mathrm{a} . \mathrm{m}$. and $4 \mathrm{p} . \mathrm{m}$. Mon.Fri. to Mrs. Lorralne A. Carney, R.N., Director ol Nursing. PARKWELL NURSING HOME, 745 Truman Highway, Hyde Park, Mass 361-8300.


## MACHINIST

Quties to includs. the tabricatient anct repp.ir of assembly tooling and lixtures Some dresign irl livout pequired Must be lotatty lamilar with lathes. Bridegepori Miller, surfact: grinder. eic Minimum 5 virirs inperience:

## PUNCH PRESS SETUP PERSON

Punch press die setter witn supervisory experience porlerred but not necessary on its first shitt Must hava had pxperience in operating and setup puncin presses will be responsible for supervisirig punch press depariment as weit as setting up and adisstirg dien ind pressess oxperience. excelifnt fringe tierights ll vou foel quidifict apply in person tu.

PEERLESS AUOIO MFG. CORP.
Leominister, Mrive. 01453
An equal opporfority emplover

CRAFTS COMPANY, a lesding manufacfurer of precision diamond and carblide cutting tools and components HAS FULLTIME, PART-TIME AND TEMPORABY OPENINGS ON THE 1ST \& 2ND SHIFTS.

## TOOLMAKERS

Experiented in laying out. macnining and assembling a wide variety of products including tools. fixtures. jigis. gages and other ciose iolerance parts.

## O. D. GRINDERS

Able to plan grinding sequence, set-up and run 0 . D. grinders from blueprints to close tolerances.

## I. D. GRINDERS

Able to sel-up. make fixtures for and run 10 . grinders working trom blueprints to close tolerances on steel. carbide and otner rnaterials

## SURFACE GRINDERS

Knowlectgeable in set-up and running of surface gunders io close : olerances on both sleel and carbide parts

## E. D. M. OPERATORS

Set-up and operate E. D. M equipment for a wide variety of tools and parts.

## TOOL AND CUTTER GRINDERS

Set-up and operate a number of grinders to produce a wide variety of special cutting toots and precision components
We offer an excellent starting rate with shift premium and benefits package.

For an Intarylew eall
dane Selas af 890-7550


80 FOURTH AYE.
waltram. mass. 02154
An aqual opporiunify omptoyer

> PERSONNEL RECEPTIONIST
> Heres your chance to grow with a growing company. Our Boston alfice is in need of a sist our personnel coungelor Must onjoy people contact phping required ( 50 wpiri) ment. ADIA TASK FORCE Temporary personnet. 426: 5753.

## APPLIANCE TECHMICIAM

 Kitchien Alde, Maytag products. Experlenco preforred son. Weilesiey area. 235 5112.
## HELP LECHMERE PLAY SANTA!

Put a holiday jingle in your pocket! Lechmere is currently hiring for Christmas openings in the following areas:

## Sales Cashiers Stock

Positions are available for many shifts such as 9-6, 10-6, 10-2, 11-3, 2-6. 3-6. 12-6. 6-9:30. Starting rate of pay ranges from $\$ 2.65$ to \$3.25 per hour depending on position. experience, and qualifications. Interviews will be conducted Monday through Friday between the hours of 9:30 AM and 3:30 PM at the Division of Employment Security Job Center, ad: jacent to Lechmere Sales at 51 Commercial Street. Cambridge.

## LECHMERE

## MEDICAL TECHNOLOGISTS <br> Career opportunities

- Blood Bank Second and combination shifts. call.
- Hematology First shift.
- Chemistry First shift. Manual and automated.
- General Lab Combination second and third shifts. Manual and automated chem. hematology, urinalysis.
MT (ASCP) preferred: will consider MLT's or, registry eligible.
Please send resume or call 389-6270. Ext. 319


## Whidden <br> 

100 Freemont Avenue. Everett, MA 02149
An Equal Opportunity Employer M/F

## PLASTICS MOLD DESIGH DRAFTPERSON

We are expanding our design team and want experienced plastic mold deskners who have the ability to design complete molds from part prints. together with motivation and communications skilis necessary to solve problems. If interested please coniact Claude Bourque

PGLEM-ITHAAPAR GAB.
Plymouth industrial Park, Ptymouth, Ma. 740-0022
844-2471 after 8 P.m.
aro un equal opporlunty employer

## COSMETICLAN

Immediate opening on one of the prestigious lines, experience required. This position is full time. including Saturdays, day off during the week.
We offer competitive salary, excellent benefits including a generous store discount.
Please apply Personnel Manager. 2nd floor. Burlington Mall. Burlington. Monday thru Saturday $9: 30 \mathrm{a} . \mathrm{m}$. 10 5:30 p.m

## iondan marsh

An Equal Opportunity Employer

## ELECTRONIC TEST TECHNICIAN

Your duties will involve testing, troubleshooting, and repairing a variety of analog and digital electronic equipment using test procedures, schematics, and verhal instructions. If you have at least two years experience plus formal technical training. this may be the position for you. If interested in a career in a challenging field, please stop in for an immediate interview.

> Varian/Lexington
> Vacuum Division
> 121 Hartwell Ave.
> Lexington, MA 02173



We are a Dorchester based health center seeking an individtal who has had a minimum of one year experience billing in the areas of $\mathrm{BC} / \mathrm{BS}$, Medicare. Medex and other parties. Experience in a hospital would be beneficial. Monday through Friday. Weekends and hotidays off.

## Please apply to: <br> BOWDOIM STREET <br> HEALTH CENTER

222 Bowdoln Street
Dorchester, MA 02122
282-1100
An equal opporfurivt amplayer

## PEOPLE GREETER

Pluan Choztnut HIII rotaiker pooking for outgoing recepllonist for their buey pax board. Mature atitude dophisilicsted cilentele. if ithe phisticeted cilontote. Mat it Cryeetnut Hill is what you're looking for and wilary $\$ 175$ + whly call Claudia Growning $235-9050 . ~ F 60$ pald
pgitions inc. 20 willam St Werlosioy ima 021 it St.. Werlosiey. Ma O

OFFICE POSITIOMS

## Scrambled Legs

## Game Rules

Both men and women work in occupations where the tasks are to build, install, rivet, wire, repair, weld, operate machines, read blueprints, drive. They work indoors and outdoors, wearing clothes suitable for the work they do.

When workers are on the job, it's sometimes hard to tell who's who, just by looking at their feet!

Column 1 below lists some good nontraditional jobs that girls, along with boys, can begin to prepare for in school. Unscramble the letters to find out what the jobs are and write them in Column 2. To help you unscramble, some of the letters are already filled in.

| Column 1 | Column 2 |
| :---: | :---: |
| 1. UOTA IMCACNEH | 1. $\underline{\boldsymbol{A}}_{\ldots} \underline{\underline{O}}^{\underline{\boldsymbol{M}}} \underline{-}_{\underline{\boldsymbol{H}} \ldots \ldots}^{\underline{\boldsymbol{C}}}$ |
| 2. DREWLW | 2. $\boldsymbol{W}_{-} \underline{\boldsymbol{L}} \ldots \boldsymbol{R}$ |
| 3. NILCARTECIE | 3. $\underline{\boldsymbol{E}}_{-} \underline{\boldsymbol{C}}_{-}{ }_{-} \underline{\boldsymbol{C}}_{-} \underline{\boldsymbol{M}}$ |
| 4. VT EPIRRARE | 4. $\boldsymbol{T}$ |
| 5. RETPACREN | 5. $\boldsymbol{C}_{-} \underline{\boldsymbol{P}}_{-} \underline{\boldsymbol{N}}_{\ldots} \ldots \boldsymbol{R}$ |
| 6. LEPMURB | 6. $\boldsymbol{P}_{\sim}+\underline{B}_{\boldsymbol{R}}$ |
| 7. PNORDSTASFER |  |
| 8. T I C A M S I N | 8. $\boldsymbol{M}_{-} \underline{\boldsymbol{C}}_{-} \underline{\boldsymbol{N}}_{-}-\underline{\boldsymbol{T}}$ |



## CasFenteg In





## Money <br> Matters

## Game Rules

Families have to work out ways to make their earnings cover their expenses. Let's see what happens when these families try to do it.

## The Game PZan

- Each group will be a family: Family A, Family B, and Family C.
- Each family will find its description on the next page of the Gamebook and will read it carefully. Then the family will choose a name.
Each family will have its own Bill Collector.

To Play the Gome
Step 1. In your group, choose a "parent" to be the family spokesperson. Then, turn to page 49 of your Gamebook, Family Expenses, arid write your family name at the top. Ask your family's Bill Collector to join you.

Step 2. Decide together on nine expenses your family will have. Your group can choose expenses from the list or make up its own, using the blank forms. Put an "X" on each expense payment your family chooses.

Step 3. Turn to pages 50-52 to find your family's BaZance Sheet. In Column 1 list all the expenses your group chose and their costs.

Step 4. Next, add up all your family's expenses. Don't forget to add in your family's yearly taxes (printed on the last line of Column 1). Write the total in the circle at the bottom. Bill Collectors can check all the math.

Step 5. Then, follow the arrows and write the same total next to Total Family Expenses in Column 2 and on the Payment "check."

Step 6. The "parent" should then sign the family name on the Payment "check," cut it out, and give it to the family's Bill Collector.

Step 7. The Bill Collector should then write your family's name in Column 1 of the chalkboard chart and your Total Family Expenses (the Payment you just made) in Column 3.
Step 8. Meanwhile, family members can subtract Total Family Expenses from Total Family Income in Column 2 of their BaZance Sheets. The remainder will be Money Left--the amount your family has left after paying expenses. The class leader will ask each "parent" for this figure.

## Money <br> Matters

## Family Descriptions

Family A
Family $A$ is a two-parent family with two school-age children. The father, an electrician, is the only breadwinner. The mother doesn't work outside the home. Total yearly family income is $\$ 15,000$, what
 the father earns.


Family C
Family $C$ is a one-parent family with two schooi-age children. The divorced mother is the only breadwinner. She is a secretary in an advertising agency. Total yearly family income is $\$ 9,000$, what the mother earns.

$5 i$

## Family Expenses

## Family name

## Game Rules

Below is a list of payments for typical yearly expenses for a family of four living in a big city. There are also some blank forms on which you can write other expenses a family might have . . . for things they might need or want.

Choose 9 expenses in all--from those listed here or from those your group makes up and writes in the blank forms. Mark each expense your group chooses with an "X." Be sure you put in the costs for any expenses your group makes up.

## Payments

| Amount: about $\$ 2,00 n$ <br> To pay for: yearly housing (including rent, heat, gas, electricity) | Amount: about $\$ 125$ <br> To pay for: one movie per month for each family member (including popcorn) for one year | Blank Form <br> Amount: \$ $\qquad$ <br> To pay for: |
| :---: | :---: | :---: |
| Amount: about $\$ 3$,uvo <br> To pay for: yearly food expenses | Amount: about $\$ 350$ <br> To pay for: new washing machine | Blank Form Amount: \$ $\qquad$ <br> To pay for: |
| Amount: about $\$ 900$ <br> To pay for: yearly medical and dental expenses | Amount: about $\$ 150$ <br> To pay for: new bicycle for 14-yearold's birthday | Blank Form <br> Amount: § $\qquad$ <br> To pay for: |
| Amount: about $\$ 1,600$ <br> To pay for: yearly operating expenses for a 1974 car (gas, insurance, minor repairs) | Amount: about $\$ 500$ <br> To pay for: a trip for the whole family to DISNEY WORLD in florida | Blank Form <br> Amount: S $\qquad$ <br> To pay for: |
| Amount: about $\$ 800$ <br> To pay for: clothing for entire family | Amount: about $\$ 120$ <br> To pay for: four new tires for the car to pass inspection | Blank Form Amount: § $\qquad$ <br> To pay for: |
| Amount: about $\$ 900$ <br> To pay for: after-school child care for two children (in families with working mothers) | Amount: about $\$ 450$ <br> To pay for: new color TV set | Blank Form Amount: s $\qquad$ <br> To pray for: |

## BALANCE SHEET: Family A

## The First \$mational Bank of Froston



## Payment

FIRST \$MATIONAL BANK
DF FROSTON
Pay to the order of
Check Amount

## Bill Collector

 FamilyA Name
## BALANCE SHEET: Family B

## The First \$mational Bank of Froston

|  | COLUMN 1. |
| :--- | :--- |
|  | FAMILY NAME |

## BALANCE SHEET: Family C

The Firsi \$mational Bank of Froston


## Payment

FIRST \$MATIONAL BANK
DF FROSTON
Pay to the
order of
Check Amount


Family C Name

4 Fulten Provider by EnC

## Razzle Dazzle Riddle Fiddle Faddle

## Game Rules

Money matters, as even these riddles show. Underline the answers below that make the most sense.

1. What's green and doesn't go very far?
a) a frog with a sprained ankle
b) the dollars in a weekly paycheck
c) a baby inchworm
2. What goes up and doesn't come down?
a) a paper airplane with a broken landing gear
b) smoke
C) the cost iff living
3. What bounces that is not a ball?
a) a check when your bank account's empty
b) a Mexican jumping bean
c) a little boy on his father's knee
4. What shrinks without washing?
a) doctors who treat mental illness
b) family income as prices go up
c) shoes that fit you last year
5. What can you count on for sure?
a) the Yankees winning the pennant
b) broken cookies in the bottom of the package
c) tax increases over the coming years
6. Make up a riddle of your own! What goes out faster than it comes in?
a)
b)
c)

## The Take-Apart Caper

## Game Rules

In 30 minutes, each group's job is to go as far as possible in taking the appliance apart. If you want to, you can also try to put it back together.

Choose a player to go first and follow the steps below. You can take turns or several students can work on each step together.

Step 1. Look for screws on the outside of the appliance.

| STANDARO | PHILLIPS HEAD |
| :--- | :--- |
| SCREW | SCREW |

Step 2. Decide what kind of screwdriver you need.


Step 3. Pick a screwdriver that will fit the screw. Try it out for size.


Step 4. Loosen the screw by turning it counterclockwise.


Step 5. Remove the screw(s). Take out the part of the appliance that is now free. Tape it to a sheet of paper and label it Number 1.


Step 6. Try to figure out what the part is and what it does. Look at the clues on the next page. Does your part match any of the pictures?
 If so, write its name on the label sheet next to where you taped it.

Step 7. Continue to take apart as many things as you can. Number them as they come out (2, 3, 4, etc.) and try to figure out what they are.

Step 8. Now for the biggest step! Try to put your appliance together again. Start with the last thing you took out and work backwards. $\rightarrow$ TO TIEHTEN The part ?abeled Number 1 will be the last thin's you put back in. Tighten the screws by turning them cluckwise.

# The Take-Apart <br> Caper 

Some Basic Appliance Parts and What They Do

SCREWS


BOLTS
ס-
(O) WASHERS NUTS 0

are used to fasten pieces or parts together firmly

HEATING ELEMENT

creates heat

makes appliance run or propels parts such as fans

squeezes wire together to make an electrical contact and covers the bare ends so they don't short circuit

RESISTOR

reduces flow of electrical current
SWITCH $\rightarrow$ starts and stops the flow of electricity


THERMOSTAT

a switch that opens up or shuts off when temperature gets to a preset level

## Making

## Connections

How to Make the Bulb Light

Step 1. Strip off about $1 \frac{1}{2}$ inches of coating from each end of the wire.


Step 2. Wrap one end of the wire tightly once or twice around the grooves of the bulb.


Step 3. Have one person hold the battery steady on its side on a desk or table.


Step 4. Then, touch one end of the wire to one end of the battery and the base of the bulb to the other end.


If you were able to make the bulb light, you have seen a basic fact about alectricity in action!
You made a complete circuit -- that means the electrical current tarted from the cap of the battery, traveled around through the wire and the light, and returned to the base of the battery.
What other words like "circuit" can you think of that describe things that are round or things that go around? Write them here.

## Bzzzzzzzzzzz


Each group's job is to make the buzzer buzz. You've got the skills because you've already worked with screwdrivers, wires, and batteries. Here's a chance to build up your skills further!

Choose a player to go first and follow the steps below. You can take turns or several students can work on each step together.

Step 1. Take the cover off the buzzer.


Step 2. Strip off about $1 \frac{1}{2}$ inches of coating from both ends of the two wires.

Step 3. Bend one end of each wire into a half loop.


Step 4. Using a screwdriver, loosen both screws on the buzzer, about three turns counter-clockwise.


Step 5. Put the looped ends of the two wires around the two screws. Pull them so that they fit underneath the screw heads. Then tighten the screws, about three turns clockwise.

Step 6. Find the plus (+) and minus ( - ) signs on the batteries. The ( + ) is the cap end; the (-) is the base end. Hold the two batteries
 together on a desk top so that a cap end touches a base end.

Step 7. Figure this one out for yourself. What do you have to do now to make the buzzer buzz?


## May the Force Be With You

Game Rules
Your own joints and muscles contain a "force" that's ready to work for you and make any job easier. Put this helpful force to work by learning to use your body correctly.

Circle the pictures below that show the right way to use your body. Then, answer the crucial question.

1. To lift an object

2. To push an object

3. To pull an object

4. Where is the force?
a) in the ears
b) in the fingertips
c) in the legs and thighs

$$
6 i
$$

## Strongwood Carpentry: Work Plan

Choose a company president who will make a Cost Estimate Report to the class. Your company's job is to plan the furniture in the Dynamite Disco Lounge Area. Follow the steps below. Use page 62 of your Gamebook for math calculations.

Step 1. You will build two benches and a coffee table that look like this. They will fit nicely in a corner, up against the walls.

To decide on the size of the furniture, you'll need to know the size of the Lounge Area. It should be about one-third of the whole room. Look at your company's Floor Plan (Gamebook, page 61). Mark off the space with masking tape on the floor of the room.

You'll also need to know the measurements of
 the two walls that form the corner of the Lounge Area where you'd like to place the benches.

Measure these two walis and write the measurements on the Floor Plan.

Step 2. The benches are actually two rectangles ( $A$ and B), put together to form an L-shape. The ends of the benches are 2 ft . wide.

Decide how long to make each bench and write the measurements here:
Bench $A$ is a rectangle that measures $2 \mathrm{ft} . \mathrm{x}$ __ft.
Bench $B$ is a rectangle that measures $2 \mathrm{ft} . \mathrm{x}$ Draw the benches on the Floor Plan. Do they fit?


Step 3. The benches will be made of plywood which comes in rectangles (sheets) measuring 4 ft . $x 8 \mathrm{ft}$.

For Bench $A$, you' 11 need one rectangle $2 \mathrm{ft} . \mathrm{x}$ $\qquad$ ft. For Bench B, you'll need another, 2 ft . $x$ $\qquad$ ft.
Altogether, you'll need $\qquad$ sheets of plywood.

Each sheet of plywood costs $\$ 10$. All the plywood you'll need for the benches will cost $\$$ $\qquad$ .


Step 4. You will need metal legs to support the benches at points marked $\mathbb{X}$, spaced about 4 ft . apart. If the benches you are planning are more than 8 ft . long, you will need more legs than shown on this diagram.

You will need
legs altogether. Legs cost $\$ 1.25$ apiece. Total cost of legs for both benches will be $\$$ $\qquad$ .


Step 5. You will need two foam cushions to make the benches comfortable for sitting. Foam cushions come 2 ft . wide (the same width as the benches) and can be cut to any length.

You will need a cushion for Bench $A$ that measures $2 \mathrm{ft} . \mathrm{x}$ ft. and a cushion for Bench B that measures 2 ft . $x$ ft. (See Step 2.) Altogether, $\overline{y o u ' 11 ~ n e e d ~ f o a m ~ c u s h i o n ~ m a t e r i a l ~}$ that measures ft. in length.

Foam cushion material costs $\$ 2.00$ per foot of
 length. Total cost of foam cushion material for both benches will be $\$$ $\qquad$ .

Step 6. Now, decide on the size of the coffee table. It will also be made of plywood.

The coffee table will be $\qquad$ ft. wide and
ft. long.
You will need .... sheets of $4 \mathrm{ft} . \times 8 \mathrm{ft} . \mathrm{ply-}$ wood. At $\$ 10$ a sheet, the plywood for the coffee table will cost \$

The table needs 4 metal legs; they cost $\$ 1.25$ apiece. Total cost of legs will be $\$$ $\qquad$
Total cost of the coffee table will be $\$$ $\qquad$ .

Step 7. Work out your Cost Estimate Report:
Plywood for benches (see Step 3)
$\$$ $\qquad$
Legs for benches (see Step 4)
Foam cushion material (see Step 5)
$\$$ $\qquad$

Coffee table (see Step 6) $\$$ $\qquad$
\$


## Tummy-Tickling Fast Foods: Work Plan

Choose a company president who will make a Cost Estimate Report to the class.
Your company's job is to plan the Dynamite Disco Eating Area. Follow the steps below. Use page 62 of your Gamebook for math calculations.

Step 1. You will instal? three vending machiries, some tables, and some chairs.

To decide where they will go, you'll need to know the size of the Eating Area. It should be about one-third of the whole room. Look at your company's
 Floor Plan (Gamebook, page 61). Mark off the space with masking tape on the floor of the room.

Measure the length and width of the Eating Area and write the measurements on the Floor Plari.


Step 2. The three vending machines will stand up against a wall. They are all about the same size. Their depth is ft. (That's how much they will stick out from the wall.)

When lined up together, the three machines will measure $\qquad$ ft. across (width) and $\qquad$ ft. high (height).

Figure out on which wall they will fit best and draw them in on the Floor Plan. Then draw a dotted
 line in front of them, as on this diagram.

Step 3. Your company will have to buy the vending machines from a supplier. The yogurt machine costs $\$ 400$, the soda machine costs $\$ 350$, and the sandwich machine costs $\$ 600$. Total cost of the machines will be $\$$ $\qquad$ pa
If you pay within five days, you get a $10 \%$ discount. $10 \%$ of the total cost is $\$$ $\qquad$ .
By paying within five days, you can buy the
 machines for $\$$ $\qquad$ .

Step 4. The vending machines need electricity to keep foods fresh. Check to see if there are electrical outlets (receptacles) on the wall near where you want to put the machines. If not, you will have to have them installed.

An electrician earns about $\$ 9.00$ an hour. It will probably take about 8 hours (a full day) to do the wiring and install the outlets. The cost will be $\$$ $\qquad$ .

Step 5. To figure out how many tables and chairs will fit in the Eating Area, you'll need to know how many square feet of empty space you have after the vending machines are in place and how many square feet each set of table and chairs will take up.

Look at the Floor Plan. Subtract the depth of the vending machines (the space behind the dotted
 line you drew) from the width of the Eating Area. The measurements of the empty space are now ft. (length) and ft. (width). The area of the space is square feet.

The diameter of each table is 4 ft. Each chair needs about 3 ft . to pull out from the edge of the table. So, each set (a table with two chairs that can be pulled out in any direction) will need a total space of
You can fit square feet. sets of a table and two chairs in the Eating Area. Draw them in on the Floor
 Plan.

Step 6. Each table costs $\$ 60$. Each chair costs $\$ 30$.
You will have tables @ \$60. Total cost of tables is \$ $\qquad$ .

You will have $\qquad$ chairs © \$30. Total cost of chairs is $\overline{\$}$ $\qquad$ -

Step 7. Work our your Cost Estimate Report:
Vending Machines (see Step 3)
Electrician (see Step 4 )
Tables (see Step 6)
Chairs (see Step 6)

Total
$\$$ $\qquad$

63

## Eepie Music Systems: Work Plan

Choose a company president who will make a Cost Estimate Report to the class. Your company's job is to plan the Dynamite Disco Music and Dance Area. Follow the steps below. Use page 62 of your Gamebook for math calculations.

Step 1. You will install a cabinet for the stereo turntable and records, two speakers, and a dance floor.

To decide where they will go, you'11 need to know the size of the Music and Dance Area. It should be about one-third of the whole room. Look at your company's Floor Plan (Gamebock, page 61). Mark off the space with masking tape on the floor of the room.

Measure the length and width of the Music and Dance Area and write the measurements on the Floor Plan.


Step 2. The turntable/record cabinet and the speakers will stand up against a wali. The cabinet is larger than the speakers. Its depth is ft. (That's how much it will stick out from the wall.) Its width is ft. its height is _ft.

The depth of each speaker is -ft. Its width is ft. its height is _ft.

The speakers must be placed $\overline{a t}$ least 6 ft . apart. Altogether, you will need at least ft. of space for the two speakers and the space between them.

Figure out where to place the cabinet and the
 speakers. They can be on the same or different walls. Keep in mind that the speakers should not be too close to the dance floor and that wires will connect them to the cabinet.

Draw the cabinet and speakers in on the floor Plan, and draw a dotted line in front of them, as on these diagrams.

Step 3. Your company will have to buy the stereo equipment from a dealer. The three pieces you're installing cost $\$ 875$ altogether.

If you pay within five days, you get a 10\% discount. $10 \%$ of $\$ 875$ is $\$$ $\qquad$ .
By paying within five days, you can buy the
 stereo equipment for $\$$ $\qquad$ .

Step 4. Now that the stereo equipment is in place, you can decide what size dance floor will fit in the remaining space.

Look at the Floor Plan. Subtract the depth of the turntable/record cabinet (the space behind the dotted line you draw) from either the length or the width of the Music and Dance Area, depending on where you put the cabinet. Do the same thing with the depth of the speakers.

The measurements of the remaining space are now
ft. (length) and $\qquad$ ft. (width). The area of the space is $\qquad$ square feet.


Step 5. Pick the size of the dance floor you want to put in the space you just measured. It will be ft. $x$ ft. It's area will be $\qquad$ square feet. (The Muffle Soundproofing Company will want to know these measurements. They will contact you soon.) The dance floor will be made of wooden squares.


Each measures 1 ft . $\times 1 \mathrm{ft}$. You will need __ wooden squares.

Step 6. Wooden squares cost $\$ 3.00$ apiece. If you want them with a special waxed finish, they cost $\$ 4.00$ apiece.

Total cost of unwaxed squares is \$ $\qquad$ .


Total cost of waxed squares is \$ $\qquad$ .

Decide whether you will buy them waxed or unwaxed.

Step 7. Work out your Cost Estimate Report:
Stereo equipment (see Step 3) Dance floor squares (see Step 6)
$\$$
$\$$ $\qquad$
$\$$ $\qquad$

## Muffle Soundiproofing: Work Plan

Choose a company president who will make a Cost Estimate Report to the class. Your company's job is to cut down on the noise in the Dynamite Disco. Follow the steps below. Use page 62 of your Gamebook for math calculations.

Step 1. You will install soundproofing tiles on the ceiling of the entire room. (Figure out a way to measure the ceiling without using a ladder!)

The length of the ceiling is
width is ft. Write the measurements on your company's Floor Plan (Gamebook, page 61).
(The Outasight Decorators will want to know these measurements. They will contact you soon.)


Step 2. To know how many soundproofing tiles to order, you'll need to know the area of the ceiling. It is square feet.

Soundproofing tiles come in $1 \mathrm{ft} . x 1 \mathrm{ft}$.
? 3 IFt. IFt. squares. You'll need $\qquad$ tiles to cover the whole ceiling.

Step 3. Your company can buy soundproofing tiles from a supplier for $\$ 2.75$ apiece. Total cost of ceiling tiles will be $\$$

If you pay within five days you get a $10 \%$ disspitnt: $10 \%$ wnf, the tontal renst is $\$$
 ceiling tiles for $\$$ $\qquad$ .

Step 4. Next you will install carpeting everywhere in the Disco, except where the dance floor will be. It will go under all the furniture, vending machines and stereo equipment in the Lounge, Eating and Music Areas.

Send a messenger to Eerie Music Systems to find out the area of the dance floor. It is ___ square feet.

Draw the dance floor on the Floor Plan and shade

it in. Write its area, as on this diagram.
To find out how much carnoting to order, you'il need to subtract the area of the dance floor from the area of the whole floor and convert to square yards. The area of the whole floor is ___ square feet.
(If you figured out a way to measure the ceiling, you know this already.) Now subtract the area of the dance floor.

You'll need $\qquad$ square feet of carpeting, which is the same as square yards.

Step 5. You can buy carpeting for $\$ 16$ per square yard. Total cost of padding is $\$$ $\qquad$ .
To keep the noise level down as low as possible, your company recommends putting padding under the carpet. Padding costs $\$ 2.00$ per square
 yard. Total cost of padding is $\$$ $\qquad$ wi
Altogether, carpeting and padding will cost
$\$$ $\qquad$

Step 6. You will also install sound-absorbing curtains for the windows of the room. To order the curtains, you'll need to know the area of the windows.

Measure the width and height of each window and find its area. (If all the windows in the room are the same size, you can measure just one and
 multiply its area by the total number of windows. Or, if the windows are all in a row right next to each other, you can measure and find the area of the whole row at once.)

Each window is $\qquad$ ft. $x$ ft. Its area is square feet. The total number of windows in the room is $\qquad$ . The total window area is $\qquad$ square feet.

Or: The row of windows is Its total area is square feet.
(The Outasight Decorators will also. be contacting you soon for the window measurements.)

Sound-absorbing curtains cost $\$ 6.00$ per square foot, all sewn and ready to hang up. Total cost of curtains for the Disco windows will be $\$$ $\qquad$ .

Step 7. Work out your Cost Estimate Report:
Soundproofing ceiling tiles (see Step 3) \$ $\qquad$
Carpeting and padding (see Step 5)
Sound-absorbing curtains (see Step 6) \$
$\qquad$
Total $\qquad$

## Outasight Decorators: Work Plan

Choose a company president who will make a Cost Estimate Report to the class. Your company's job is to give the room "atmosphere" and make the whole Disco look fantastic. Follow the steps below. Use page 62 of your Gamebook for math calculations.

Step 1. You will install a revolving mirrored globe to throw exciting light patterns on all the surfaces in the Disco. It will be placed in the center of the ceiling so that rays of light are reflected in all directions.

To find the center point of the ceiling, you'll need to know its measurements. Send a messenger to Muffle Soundproofing to get this information.

Figure out where the center of the ceiling is and mark the spot on your company's Floor Plan (Gamebook, page 61).

On the Floor Plan, the walls of the room are marked $A, B, C$, and $D$. The point on the ceiling where the light will be placed is ft. from Wall A, $\qquad$ ft. from Wall $C$, and
$\qquad$ ft. from Wall D.


Step 2. You'll want the light rays to cover the whole ceiling and reach the four corners of the room.

To decide how big a globe to install, you'll need to know the area of the ceiling. It is square feet.


Step 3. Your electrical supplier carries mirrored globes only in one standard size. It costs $\$$

If you pay within five days, you get a $10 \%$ discount. $10 \%$ of $\$ 265$ is $\$$ $\qquad$ .
By paying within five days, you can buy the globe for $\$$ $\qquad$ .


Step 4.. You will paint the Disco walls a shiny color to brighten up the room. You'll need to know the wall measurements to figure out l:ow many square feet of wall area you have to paint.

Measure the length and height of each wall. (Figure out a way to measure wall height without using a ladder.) Write the wall measurements on the following page.


Height Width


Step 5. On some walls there may be windows or a chalkboard whicn can't be painted. If so, you'll need to know the area of all the wall space that can't be painted so you can subtract it from the
 total wall area.

Send another messenger to Muffle Soundproofing to get the total area of the windows in the room. It is __ square feet.

Now, measure each chalkboard in the room and write its area here. The chalkboard is:

$\qquad$ ft. $x$ $\qquad$ ft. Its area is $\qquad$ sq. ft.
$\qquad$ ft. $x \ldots f t$. Its area is $\qquad$ sq. ft.
ft. $x$ ft. Its area is $\qquad$ sq. ft.
Total chalktoard area is $\qquad$ square feet. Add this to the total window area. You know now the room has
$\qquad$ square feet of wall space that can't be painted.

Step 6. After subtracting the area that can't be painted from the total wall area in the room, you have $\qquad$ square feet left. This is the wall area you will paint.

One gallon of shiny paint covers about 400 square feet. You will need about $\qquad$ gallons to paint the Disco walls. (Round off parts of a gallon
 to the next highest number.)

Each gallon costs $\$ 7.00$. The total cost of paint for the Disco will be $\$$ $\qquad$ .

Step 7. Work out your Cost Estimate Report:
Mirrored globe (see Step 3)
Wall paint (see Step 6)
$\$$
\$
\$ $\qquad$

## Think Skills

## Gampe Rules

When you see a bumper sticker that says THINK SNOW, what comes to mind? How about THINK SPRING? In this game the rule is to THINK SKILLS. It may bri.gg to mind some ideas for your working future!

## The Gome Plan

THINK SKILLS is an auction game to get workers and employers together. Workers with SKILLS want good jobs. Their talents are "up for bid." Employers in OCCUPATIONS need skilled workers. They'll make job offers to attract new employees to their companies.

To decide what job to take, players who are SKILLS should ask about:

- what they'll do on the job--job tasks
- how much they can earn--job wages
- if this job falls through, what related jobs are possible--job mobility

To attract good workers, players who are OCCUPATIONS should "sell" the job by describing:

- how the worker's skill matches the job tasks
- how much money the job pays
- how the job experience can help the worker in other related jobs

To Play the Gome
Step 1. If you are SKILL \#1, step forward and read your skill page aloud with lots of feeling. Your skill is now "up for bid."

Step 2. If you are an OCCUPATION, look at your page to see if your occupation needs this skill.

Step 3. If your occupation needs this skill, try to convince the SKILL to take your job. "Sell" it by enthusiastically describing its advantages. Answer any questions the SKILL asks.

Step 4. Before making a decision, a SKILL should be sure to find out everything possible from the OCCUPATIONS making the bids. Ask questions like: "What's good about your job?"; "What else can I do with my skill in your field?"; "What is it that I've got that you want?"

Step 5. Now, SKILL \#1, choose the occupation you wish to enter and go stand next to the player whose bid attracted you.

Step 6. SKILL \#2 steps forward next and play continues until all the SKILLS have gone "up for bid" and have chosen offers from OCCUPATIONS.

## 1.

```
MY SKILL
```

I CAN . . . MAKE MOTORS AND ENGINES RUN

I CAN WORK ON

GAS ENGINES
ELECTRIC MOTORS
DIESEL ENGINES
GENERATORS
TRANSMISSIONS
SPARK PLUGS
VALVES

MOTOR ANALYZERS
IGNITION SYSTEMS
RADIATORS
GEAR TRAINS
CARBURETORS
OIL CHANGES


7

```
MY SKILL
```

| TABLE SAWS | AIR COMPRESSORS |
| :--- | :--- |
| ELECTRIC DRILLS | WELDING RODS |
| HYDRAULIC JACKS | ACETYLENE TORCHES |
| JACK HAMMERS | GAS TORCHES |
| SPRAY GUNS | GRINDERS |
| RIVET GUNS | SANDBLASTERS |
| HYDRAULIC PIPE | PNEUMATIC CHISELS |
| $\quad$ BENDERS |  |
| DRILL PRESSES |  |



I CAN . . .
MAKE ELECTRICAL CONNECTIONS

I KNOW HOW TO . . . SPLICE CABLES
STRIP WIRES
SOLDER CIRCUITS
CONNECT PLUGS
INSTALL RECEPTACLES
INSTALL FIXTURES
REPLACE FUSES
TRACE CIRCUITRY
INSTALL BELL
AND ALARM SYSTEMS


70
I CAN . . . USE HAND TOOLS

I CAN USE . . .

HAMMERS
MALLETS
SAWS
SCREWDRIVERS
DRILLS
KNIVES
BRUSHES
TROWELS
SNAKES
SOLDERING IRONS
PIPE THREADERS
PLASTERING HAWKS
SHEARS

WRENCHES
LEVELS
CHISELS
PLANES
FILES
BITS
PLIERS
RODS
PICKS
SHOVELS
WIRECUTTERS
STAPLE GUNS
STRAIGHT EDGES


U:
ERIC

I CAN. . USE MY BODY EFFICIENTLY

| I KNOW HOW TO . $\quad$ CARRY TOOL KITS | CRAWL UNDER |  |
| :--- | :--- | :--- |
|  | PUSH WHEELBARROWS | BUILDINGS |
|  | LIFT AND BALANCE | STRETCH TO REACH |
|  | LADDERS | HIGH PLACES |
|  | SQUEEZE PLIERS | MOVE CRATES |
|  | PULL CABLES | ENDURE HARD WORK |
|  | CLIMB SCAFFOLDING |  |
|  | WALK UP AND DOWN |  |





ERIC


3

MY SKILL

I CAN
USE MATH

I KNOW HOW TO
ADD
READ RULERS
SJBTRACT
READ GAUGES
MULTIPLY
READ METERS
DIVIDE
USE FRACTIONS
ESTIMATE DISTANCE AND HEIGHT

USE DECIMALS
ESTIMATE COSTS
ANALYZE STATISTICS

55

Z

```
    I CAN . . . USE MECHANICAL HELPERS
```

I CAN USE . . .

| LEVERS | CRANES |
| :--- | :--- |
| PULLEYS | FORKLIFTS |
| DOLLIES | BACKHOES |
| JACKS | BULLDOZERS |
| VICES | GRAPPLING HOOKS |
| CLAMPS | S'INGS |
| CROWBARS | DERRICKS |
| HOISTS | LOADERS |
| WINCHES | GRADERS |
| HYDRAULIC LIFTS | HANDTRUCKS |
| DONKEYS |  |

ERIC


ERIC

```
My occupational fieid
```

is . . .

I need people who can . . USE MACHINE AND POWER TOOLS

I'll hire and train
you as . . A CARPENTER

Your tasks will be
to . . - USE POWER SAWS TO CUT WOOD AND ERECT FRAMES FOR BUILDINGS

- INSTALL DOORS, BUILD STAIRS, AND LAY HARDWOOD FLOORS
- USE POWER DRILLS AND RIVET GUNS FOR "FINISH" WORK

The job pays up
to . . ABOUT \$20,000 A YEAR

```
With your skill you
also can . . .
- BUILD AND REPAIR FURNITURE, CABINETS, ETC.
- INSTALL DRYWALLS
- BUILD CONCRETE FORMS, SCAFFOLDING, AND TEMPORARY SHELTERS ON CONSTRUCTION SITES
```

Ricc


- $\quad$ :
My occipational field

MACHINE TOOL TRADES

I need people who
can. . . USE MECHANICAL HELPERS

I'll hire and train you as

A Milling machine operator

Your tasks will be
to . . .

- SET UP AND fI SMANTiE MACHINES USING CROWBARS, CLAMPS, WRENCHES, VICES
- MOVE MACHINERY AND EQUIPMENT USING HOISTS, DOLLIES, ROLLERS, AND TRUCKS.
- TURN HANDWHEELS TO FEED WORK INiU MACHINES

The job pays up
to . . ABOUT $\$ 15,000$ A YEAR

With your skill you also can. .

- WORK AS A TOOL AND DIE OPERATOR
- WORK AS AN ASSEMBLER IN -he AUTOMOBILE INDUSTRY
- W!.RK AS A MAINTENANCE MECHANIC


$$
O=
$$

I need people who can. . MAKE ELECTRICAL CONNECTIONS
I'1l hire and train
you as . . . A TELEPHONE INSTALLER

Your tasks will te
to . . .

- CONNECT TELEPHONES TO ?utside service WIRES
- SERVICE TELEPHONE CABLE TERMINALS
- INSTALL AND SERVICE SWITCHBOARDS

The job pays up
to. ABOUT \$15,000 A YEAR

With your ckill you
alsocan. . .

- Install mobile telephones in cars, boAts, ETC.
- INSTALL INTERCOM SYSTEMS
- WORK ON DATA PROCESSING SYSTEMS THAT INVOLVE TELEPHONE SERVICE


I neea people who
can . . USE MATH

I'11 hire and train you as . . . A ROOTE TRUCK DRIVER

Your tasks will be to . . .

- MAKE OUT BILLS AND KEEP TRACK OF PAYMENTS
- make uEliveries to customers and take ORDERS
- RE-STOC! AND ORGANIZE SUPPLIES

The job pays up
to . . .
ABOUT \$16,000 A YEAR

With your skill you also can. .

- DO NAVIGATION WORK FOR AIRLINES, SHIPS, TRAINS
- DRIVE TAXIS, BUSES, OR OTHER PUELIC Transit Vehicles
- drive long-DIStance truck routec
- DO SURVEY WORK FOR ROAD, BRIDGE, AND TUNNEL PROJECTS

Module $1 /$ Activity

3.5

ERIC

```
My occupational field
```

is . . .

FIREFIGHTING AND LAW ENFORCEMENT

I need people who
can . . USE THEIR BODIES EFFICIENTLY

I'11 hire and train you as . . .

A FIREFIGHTER

Your tasks will be to . . .

- DIRECT A STEADY STREAM OF WATER OR CHEMICALS JNTO A FIRE
- HANDLE HEAVY LADDERS AND HOSES
- USE A FIREFIGHTER'S LIFT TO RESCUE PEOPLE AND ADMINISTER FIRST AID

The job pays up
to ... ABOUT $\$ 15,000$ A YEAR

With your skill you
alsocan . . TRAIN CREWS TO USE FIREFIGHTING EQUIPMENT

- BE A FIRE INSPECTOR
- WORK FOR A BUILDING CODE INSPECTION AND ENFORCEMENT AGENCY

My occupational field

COMPUTER ASSEMBLY AND REPAIR


I need people who
can . . USE HAND TOOLS

I'11 hire and train you as . . . A COMPUTER SERVICE TECHNICIAN

Your tasks will be to . . .

- ADJUST, OIL, AND CLEAN MECHANICAL AND ELECTROMECHANICAL PARTS
- USE TESTING EQUIPMENT TO CHECK FOR LOOSE CONNECTIONS AND CIRCUITS
- SOLDER, WIRE, DRILL, AND RIVET PARTS TO REPAIR MACHINES

The job pays up
to . . ABOUT $\$ 16,000$ A YEAR

With your skill you alsocan. .

* INSTALL NEW COMPUTER EQUIPMENT
- AS $\operatorname{IST}$ ENGINEERS IN BUILDING EXPERIMENTAL COMPUTER SYSTEMS
- WORK AS A TECHNICAL SUPERVISOR OR "TROUBLE-SHOOTER" TO FIGURE OUT WHAT'S WRONG WITH COMPUTER SYSTEMS


I need people who
can . . USE MECHANICAL HELPERS
Ill hire and train

A CRANE OPERATOR



102
ERİC
My occupational field
is. . .

## INSTRUMENT REPAIR

I need people who MAKE MOTORS AND ENGINES RUN
can. . . MAN

I'll hire and train
yo: as . . AN INSTRUMENT REPAIR TECHNICIAN
Your tasks will be

to •• |  | REPLACE WORN OR DAMAGED MOVING PARTS |
| ---: | :--- |
|  | LIKE TIMING OR BALANCING DEVICES |
|  | - |
|  | LIEAN, OIL, ADJUST AND TEST EQUIPMENT |
|  |  |
|  | TAKE APART AND REBUILD MOTOR-DRIVEN |
|  | INSTRUMENTS |

| The job pays up to . . . | ABOUT \$20,000 A YEAR |
| :---: | :---: |
| With your skill you |  |
| alsocan. . | - repair clocks, barometers, and other PRECISION INSTRUMENTS |
|  | - BUILD OR SERVICE AIRCRAFT INSTRUMENTS |
|  | - WORK ON EQUIPMENT TO MAKE OR REPAIR EYFGLASSES, CAMERAS, ETC. |

103


104
My occupational field
is . . .

BUSINESS AND COPY MACHINE REPAIR

I need people who can . . USE THEIR BODIES EFFICIENTLY

I'11 hire and train you as . . . . . A REPAIR TECHNICIAN

Your tasks will be
to . . . MOVE OR LIFT MACHINES TO CLEAN, OIL AND ADJUST PARTS

- CARRY EQUIPMENT AND TOOLS FROM JOB TO JOB
- REACH AND BEND TO MAKE REPAIRS INSIDE MACHINES

The job pays up
to . ABOUT $\$ 15,000$ A YEAR

With your skill you also can. . .

- FIX VENDING MACHINES, JUKE BOXES, ETC.
- FIX SPECIAL EQUIPMENT IN HOSPITALS
- FIX TYPEWRITERS, DUPLICATORS, POSTAGE meter machines, etc.


105
ERIC
My occupational field
can. . USE HAND TOOLS

I'll hire and train
you as . . A MAINTENANCE SIJPERVISOR


The job pays up
to . . . ABOUT \$15,000 A YEAR

With your skill you alsocan. . .

- WORK AS A MAINTENANCE ELECTRICIAN
- WORK AS A CARPENTER ON CONSTRUCTION JOBS
- DO MAINTENANCE WORK IN SCHOOLS, AIRPORTS AND HOSPITALS


My occupational field is . . .

PLUMBING AND PIPING
MYE: , a,

I need people who
can
USE MECHANICAL HELPERS

I'11 hire and train you as . . .

AN APPRENTICE PLUMBER
lour tasks will be
to. . CUT, THREAD, BEND AND CONNECT PIPES

- INSTALL WATER, GAS AND WASTE DISPOSAL SYSTEMS
- REPAIR PIPES AND PLUMBING FIXTURES LIKE FAUCETS, VALVES

The job pays up
to . . ABOUT $\$ 20,000$ A YEAR

With your skill you also can.

- WORK AS A PIPEFITTER FOR THE GAS AND ELECTRIC COMPANY
- WORK FOR A CONSTRUCTION CONTRACTOR INSTALLING AND ADJUSTING PLUMBING, AIR CONDITIONING AND HEATING SYSTEMS
- WORK ON PIPING SYSTEMS IN CHEMICAL PLANTS OR OIL REFINERIES


I:
My occupational field
is. . .

PAINTING AND PAPERHANGING

I need people who
can. . .
USE HAND TOOLS

I'11 hire and train you as . . . A PAINTER
Your tasks will be

- APPLY PAINTS AND VARNISH USING BRUSHES, ROLLERS, SPRAYGUNS
- SMOOTH SURFACES USING SANDPAPER, STEEL WOOL
- MEASURE AND CUT STRIPS FROM WALLPAPER ROLLS, USING PAPER KNIVES, SHEARS

The job pays up
to . . ABOUT $\$ 19,000$ A YEAR

With your skill you also can. .

- WORK AS A PAINT-SPRAY INSPECTOR
- OPERATE A PAINT-STRIPING MACHINE FOR THE HIGHWAY DEPARTMENT
- DO TOUCH-UP WORK IN THE AUTOMOBILE INDUSTRY


ERIC
112
My occupational field
is... $\quad$ ELECTRICITY
I need people who
can. . . MAKE ELECTRICAL CONNECTIONS
I'11 hire and train A MAINTENANCE ELECTRICIAN
you as. . .
Your tasks will be
to . . . INSTALL NEW LIGHTING FIXTURES AND
ELECTRICAL EQUIPMENT

- repair fuses and check electrical code REQUIREMENTS
- REPLACE WIRES, SWITCHES, WALL RECEPTACLES
Tree job pays up
to . . ABOUT $\$ 17,000$ A YEAR

With your skill you also can. . . REPAIR TRAFFIC LIGHTS


- Install alarm systems in homes
- WORK FOR ELECTRIC POWER COMPANIES


14:
My occupational field
is . . .

## SMALL ENGINE REPAIR

I need people who
can . . MAKE MOTORS AND ENGINES RUN

I'11 hire and train you as. . .

A MOTORCYCLE MECHANIC

Your tasks will be
to . . . TEST AND DIAGNOSE ENGINE PROBLEMS

- MAKE ADJUSTMENTS AND REPAIRS AND REPLACE WORN PARTS
- TAKE APART AND REASSEMBLE ENGINES

The job pays up
to . . ABOUT \$20,000 A YEAR

With your skill you also can. . .

- SERVICE SNOWMOBILES, MINIBIKES, LAWNMOWERS, OUTBOARD MOTORS AND OTHER SMALL GASOLINE ENGINES
- WORK AS A BOWLING PIN MACHINE REPAIRPERSON
- SPECIALIZE IN OVERHAULING AND REBUILDING ENGINES AND TRANSMISSIONS


My occupational field is . . .

COMMISSIONED SALES WORK

I need people who
can . . USE MATH

I'11 hire and train you as . . .

A DEPARTMENT STORE HOME APPLIANCE SALESPERSON
Your tasks will be
to • • MAKE OUT SALES SLIPS AND RECORDS $\quad$ - CALCULATE COMMISSIONS

The job pays up to . . .

> ABOUT $\$ 20,000$ A YEAR (DEPENDING ON YOUR COMMISSIONS)

With your skill you alsocan. . .

- SELL MEDICAL EQUIPMENT TO HOSPITALS
- BE A SALES REPRESENTATIVE FOR BUSINESS MACHINE OR COMPUTER FIRMS
- SELL BUILDING SUPPLIES TO RETAIL HARDWARE STORES


My occupational field is . . .

ENVIRONMENTAL SCIENCES

I need people who can . . USE MATH

I' ll hire and train you as . . .
A WASTEWATER TREATMENT PLANT OPERATOR

Your tasks will be to . . .

- READ METERS AND GAUGES
- TEST WATER SAMPLES
- KEEP PLANT RECORDS

The job pays up
to . . ABOUT $\$ 20,000$ A YEAR

With your skill you
also can. . .

- WORK FOR THE WATER COMPANY
- WORK FOR A GOVERNMENT WATER POLLUTION CONTROL AGENCY
- be a firefighter first class who controls BOILER OPERATIONS


My occupational field is . . .

## ELECTRONICS

I need people who
can. . . READ AND FOLLOW DIAGRAMS

I'll hire and train you as . . .

AN ELECTRONICS TECHNICIAN

Your tasks will be to . . .

- ASSEMBLE AND REPAIR ELECTRONIC CIRCUITRY COMPONENTS AND SYSTEMS
- INSPECT, TEST, AND REPLACE ELECTRONIC PARTS
- WORK WITH SLIDES, BLUEPRINTS, AND ELECTRONIC SYSTEMS

The job pays up
to. ABOUT \$13,000 A YEAR

With your skill you
alsocan. $\begin{aligned} & \text { INSTALL AND } \\ & \text { EQUIPMENT }\end{aligned}$

- ASSEMBLE AND INSTALL ELECTRONIC GUIDANCE SYSTEMS FOR AIRPLANES, MILITARY EQUIPMENT, AIRCRAFT
- TEST AND REPAIR ELECTRONIC HOUSEHOLD APPLIANCES


122
My occupational field

```
is . . .
```


## APPLIANCE REPAIR

## FABCR

I neod people who
can. . MAKE ELECTRICAL CONNECTIONS

I'll hire and train you as . . .

A HOUSEHOLD APPLIANCE REPAIRPERSON


The job pays up
to . . ABOUT \$15,000 A YEAR

With your skill you also can. . .

- DO ASSEMBLY WORK FOR AN APPLIANCE MANUFACTURER
- OPEN YOUR OWN REPAIR SHOP
- SERVICE CUSTOMERS' APPLIANCES FOR GAS OR ELECTRIC COMPANY



## Hends Up

## Game Rules

Physical fitness pays off in everything you do. So does using your head. For some occupational tasks, your head and your body must work together to get the best out of both.

Use your head to complete the stories below.

1. Your employer asks you to move a 200-1b piece of machinery to the other side of the shop. You should . . .
a) tell him to go fly a kite
b) get five co-workers to stop their work and help you move it
c) load the machine on a mechanical helper like a dolly
d) (make up your own ending)
2. You're working on a roofing job and have to change the position of your 20 -foot ladder. You should . . .
a) lean out over the roof and try to drag the ground-end of the ladder over to where you want it
b) climb down, ease the ladder down to the ground, pick it up at a point where it balances, then carry it to where it is needed
c) climb down, grab the ladder firmly at its base, lift it and, holding it upright, walk it to the new spot
d) (make up your own ending)
3. You're repairing a large copy machine which is located in a narrow hallway. You've managed to inch it out a little from the wall. You should . . .
a) call a moving company to bring it back to your shop
b) try to position your body by kneeling, stooping, lying on the floor so you can use your wrists and hands in the workspace
c) go on a crash diet so you can slide your entire body behind the machine
d) (make up your own ending)
4. On a construction site, your foreman asks you to go find a skyhook to hoist yourself up to the second floor. You've never heard of a skyhook before, but you're not sure if he's kidding. You should . . .
a) look around the entire site until you find something that has a big hook on the end
b) ask the foreman what it is and where it's kept
c) tell him there's no such thing, but if there were, he should use one himself to pull his own leg
d) (make up your own ending)
P.S. There is no such thing!

# Building <br> a Dynamite Disco 

Floor plan for: Strongwood Carpentry Tummy-Tickling Fast Foods
Eerie Music Systems


Floor plan for: Muffle Soundproofing Outasight Decorators

My occupational field
is....

## DRAFTING

I need people who
can. . . READ AND FOLLOW DIAGRAMS
I'11 hire and train A DRAFTSPERSON
you as. . .
Your tasks will be
to. . .

- PREPARE DRAWINGS USING COMPASSES, TRIANGLES, T-SQUARES AND SLIDE RULES
- CALCULATE STRENGTH, quANTITY AND COSTS OF MATERIALS
- DESIGN CHARTS TO SHOW FACTS AND FIGURES

The job pays up to. . ABOUT \$15,000 A YEAR

With your skill you
alsocan . . DRAW ARCHITECTURAL PLANS

- DRAW DIAGRAMS FOR AUTOBODY DESIGN
- PREPARE WIRING DIAGRAMS FOR ELECTRICAL INSTALLATIONS


## 128



My occupational field
is . . .
METALWORKING TRADES

## $\because \%$, $\because \because \because$

I need people who
can . . USE MACHINE AND POWER TOOLS

```
I'11 hire and train
you as . . . A SHEET METAL FABRICATOR
```

Your tasks will be
to . . .

- USE POWER SAWS AND STEEL PRESSES TO CUT AND SHAPE METAL
- USE A TORCH TO WELD SEAMS AND JOINTS TOGETHER
- operate a flame cutter

The job pays up
to . . ABOUT $\$ 20,000$ A YEAR

With your skill you
alsocan. . .

- DO ASSEMBLY WORK IN AUTOBODY PLANTS OR REPAIR SHOPS
- WORK FOR HEATING, REFRIGERATION, AND AIR CONDITIONING CONTRACTORS
- DO PRODUCTION WORK FOR PRE-FAB METAL HOUS ING

$13 i$

```
My occupational field
is . . .
```

RAILROAD OPERATIONS

I need people who
can . . . USE THEIR BODIES EFFICIENTLY

I'11 hire and train you as.. . A LOCOMOTIVE ENGINEER

Your tasks will be to . . .

- DRIVE TRAINS, USING YOUR EYES AND HANDS TOGETHER TO FOLLOW RAILROAD SIGNALS
- JUMP UP AND DOWN THE LADDER TO LOCOMOTIVE CAB
- SQUEEZE or pull throttle, air brakes and OTHER CONTROLS
The job pays up
to . . ABOUT $\$ 24,000$ A YEAR

| With your skill you |  |
| :--- | :--- |
| also can • • WORK AS A RAILROAD BRAKE OPERATOR |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  | AUS DO RAILROAD TRACK MAINTENANCE WORK |
|  |  |



## 193

My occupational field

READ AND FOLLOW DIAGRAMS
I'11 hire and train
you as. . . A SERVICE TECHNICIAN

Your tasks will be
to . . . TEST CIRCUITRY SYSTEMS

- FIND AND REPLACE BROKEN PARTS
- FIND AND SOLDER LOOSE CONNECTIONS

The job pays up
to . . ABOUT $\$ 16,000$ A YEAR

With your skill you also can. . .

- INSTALL AND REPAIR CAR RADIOS
- INSTALL AND REPAIR RADIO AND TV STATION BROADCASTING AND RECORDING EQUIPMENT
- INSTALL AND REPAIR PUBLIC ADDRESS SYSTEMS IN HOTELS, HOSPITALS, ETC.


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ERİC


AUTOMOTIVE WORK

I need people who
can . . . MAKE MOTORS AND ENGINES RUN

I'1l hire and train you as. . AN AUTO MECHANIC

Your tasks will be
to . . REPLACE AND ADJUST PARTS SUCH AS
DISTRIBUTOR, BRAKES, POINTS, GENERATORS

- test fuel and ignition systems
- DO TUNE-UPS

The job pays up
to . . ABOUT \$17,000 A YEAR

With your skill you also can. . .

- BE A BOAT ENGINE MECHANIC
- MAKE FINAL ADJUSTMENTS IN CAR ASSEMBLY PLANTS
- TEST ENGINES FOR POLLUTION CONTROL AGENCIES


$$
130
$$

My occupational field is . . .

AIR CONDITIONING, HEATING
AND REFRIGERATION
I need people who
can. . USE MACHINE AND POWER TOOLS

I'11 hire and train you as . . A HEATING SYSTEM MECHANIC


The job pays up
to . . ABOUT \$20,000

With your skill you also can. .

- INSTALL AND REPAIR AIR CONDITIONING, REFRIGERATION AND COOLING SYSTEMS FOR THE FOOD STORAGE INDUSTRY
- WORK AS A SOLAR HEAT TECHNICIAN IN PLANT AND HOME CONSTRUCTION
- INSTALL, INSPECT AND REPAIR BOILERS AND FURNACES ON RAILROADS, SHIPS AND IN CHEMICAL PLANTS



## Step Up with Skills



## - Women at Work

Introducing Hilda


This photo shows Hilda with her family.
Describe what you think is going on.


This photo shows Sandy with her co-workers.
Describe what you think is going on.

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This photo shows Migdalia one day last summer.
Describe what you think is going on.

## Let's Talk

1. About each of the women in the sound filmstrip presentation . . .

- What do ycu think are the most rositive things about her nontraditional job?
- What do you think are the biggest obstacles she has had to overcome?

About the men in the presentation . . .

- If you were one of the male employers, what would be your biggest concerns about hiring women?
- If you were one of the male workers, what would be your biggest concerns about working with women on the job?

About the jobs in the presentation . . .

- What advantages do you think they have? What disadvantages?
- Where else could you use the skills you need for these jobs?
- Do these jobs interest anyone in the class? If yes, for what reasons? If no, for what reasons?

About preparing for these jobs . . .

- What could you do to find out more about what these jobs are like?
- What could you do in school to start learning skills or developing physical fitness for these jobs? Now? In high school?


## Hidden

## Opportunities

## Game Rules

Opportunities to learn technical job skills and explore skilled trade occupations are all around you. Some are available in your own school and many are in the high schools and vocational-technical schools that you can go to. You'll find courses that offer basic math and sciences as well as those that teach you to use different kinds of tools.

The names of some courses in your school system are buried in the puzzle below. In five minutes, see if you can dig out at least ten of them. Jircle the courses you find, as in the example. The names read across or down or up or diagonally or forwards or backwards. (A list of the 28 hidder courses is at the bottom of the page.)

| M | A | C | H | I | N | E | S | H | 0 | P | B | F | J | K | U | E |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| E | L | X | S | N | 0 | I | T | A | C | I | $N$ | U | M | M | 0 | C |
| D | $\gamma$ | T | I | C | I | R | T | C | E | L | E | R | P | 4 | T | $N$ |
| I | A | D | M | E | L | $E$ | C | T | R | 0 | N | I | C | S | L | E |
| C | G | W | 0 | 0 | D | W | 0 | R | K | I | $N$ | G | E | $N$ | z | I |
| A | A | R | C | B | P | L |  |  | B | I | N | G | V | H | U | C |
| $L$ | I | G | A | Z | 0 |  |  |  | E | L. | D | I | N | G | P | S |
| T | R | N | R | P |  |  |  | G | 0 | L | 0 | I | B | W | H | L |
| E | C | I | P | L |  |  | U | G | N | I | T | A | E | H | 0 | A |
| C | 0 | $Y$ | E | D | W | I | P | A | M | L | F | R | N | P | L | T |
| H | N | E | N | M | A | H | $C$ | 0 | P | H | Y | 5 | I | C | S | $N$ |
| N | D | V | T | Q | $F$ | D | R | A | F | T | I | N | G | U | T | E |
| 0 | 1 | R | R | B | G | N | I | K | R | 0 | W | L | A | T | E | M |
| L | T | U | $Y$ | $V$ | R | N | D | 1 | B | T | X | P | W | R | R | N |
| 0 | I | S | J | G | T | C | H | E | M | I | S | T | R | $Y$ | Y | 0 |
| G | 0 | N | 0 | I | T | A | R | E | G | I | R | F | E | R | L | R |
| $Y$ | N | Z | N | A | G | R | I | B | U | S | I | $N$ | E | $S$ | S | I |
| B | I | G | P | A | $P$ | E | R | H | A | N | G | I | N | G | Q | V |
| A | $N$ | B | S | C | I | $N$ | A | H | C | E | M | 0 | T | U | A | N |
| 0 | G | C | 0 | M | p | U | T | E | R | S | C | I | E | N | C | E |

AGRIBUSINESS
AIR CONDITIONING
AUTO BODY
AUTO MECHANICS
BIOLOGY
CARPENTRY
CHEMISTRY
COMMUNICATIONS
COMPUTER SCIENCE
DRAFTING
ELECTRICITY
ELECTRONICS
ENVIRONMENTAL SCIENCE
GRAPHIC ARTS

HEATING
MACHINE SHOP
MATH
MEDICAL TECHNOLOGY
METALWORKING
PAINTING
PAPERHANGING

# Finders Keepers 

## Team A

## Game Rules

Find out about opportunities in your school system to learn trade and technical skills that can help you prepare for good jobs.

Follow the clues below and see where they lead you. Then, keep the information to use in planning your high school program.

Clue 1. Send a scout to search the room for something that sits on the floor and is usually round and full of crumpled paper.

Clue 2. Taped to the inside of this object will be a large yellowish envelope addressed to your team. The scout should bring the envelope back to the team before opening it.

Clue 3. Open the envelope. Inside you will find a message in code. This means some of the letters of the words have been replaced by numbers. To de-code the message, your team will have to figure out what letters the uumbers stand for.

Clue 4. Your team will be able to de-code the entire message faster if different people work on different lines. Then read it all the way through together.

Clue 5 . Do what the message says.

## Finders Keepers

## Team $B$

## Game Rules

Find out about opportunities in your school system to learn trade and technical skills that can help you prepare for good jobs.

Follow the clues below and see where they lead you. Then, keep the information to use in planning your high school program.

Clue 1. Send a scout to search the room for something that is hinged to a frame and opens and shuts to let people in and out.

Clue 2. Taped to the inside surface of this object will be a large yellowish envelope addressed to your team. The scout should bring the envelope back to the team before opening it.

Clue 3. Open the envelope. Inside you will find a message in code. This means some of the letters of the words have been replaced by numbers. To de-code the message, your team will have to figure out what letters the numbers stand for.

Clue 4. Your team will be able to de-code the entire message faster if different people work on different lines. Then read it all the way through together.

Clue 5. Do what the message says.

## Finders Keepers

## Team C

## 

Find out about opportunities in your school system to learn trade and skills that can help you prepare for good jobs.

Follow the clues below and see where they lead you. Then, keep the information to use in planning your high school program.

Clue 1. Send a scout to search the room for something that stands on four legs and usually has a teacher sitting on it.

Clue 2. Taped underneath this object will be a large yellowish object addressed to your team. The scout should bring the envelope back to the team before opening it.

Clue 3. Open the envelope. Inside you will find a message in code. This means some of the letters of the words have been replaced be numbers. To de-code the message, your team will have to figure out what letters the numbers stand for.

Clue 4. Your team will be able to de-code the entire message faster if different people work on different lines. Then read it all the way through together.

Clue 5. Do what the message says.

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## Team A Passwords



## Instructions

Find the passwords hidden in this picture.
Next, turn this page over and look at Column 1. These are the questions your team can ask the visitor. Take a vote to choose three questions your team wants to ask.

Then, choose three people to ask the questions your team has picked and three others to write the answers down in Column 2.

When ready, everyone on the team should give this signal: Put your left hand on top of your head and wiggle your fingers. The visitor will ask for your passwords. If they are correct, your team may begin.

Make sure you write down complete answers to the questions. The class will need them at the next session.

Team A

| Column 1, Suestions | Column 2, Answers |
| :--- | :--- |
| 1: I want to find out what industrial |  |
| arts courses are given at the high |  |
| school in my district. Who in my |  |
| school can give me this information? |  |
| 2. I want to find out what I need to do |  |
| to enroll in industrial arts courses |  |
| in my district high school. Who in |  |
| my school can give me this informa- |  |
| tion? |  |

3. I want to find out what courses are given in other high schools or vocational-technical schools that I can go to in my city. I also want to know how to apply to these schools. Who in my school can tell me?
4. I want to look at catalogs or course lists describing Industrial Arts courses at different high schools. Who can help me get catalogs?
5. I want to see what students do in high school or voc-tech school courses. What kinds of things do they work on and what tools do they use? Could I visit a class sometime? Who in my school can I ask to arrange this?
6. Does your team want any other information about industrial arts courses? If so, ask a question of your own.

## Team B Passwords



## Instructions

Find the passwords hidden in this picture.
Next, turn this page over and look at Collima 1 . These are the questions your team can ask the visitor. Take a vote to choose three questions your team wants to ask.

Then, choose three people to ask the questions your team has picked and three others to write the answers down in Column 2.

When ready, everyone on the team should give this signal: Put your right hand on your right shoulder and move your elbow up and down. The visitor will ask for your passwords. If they are correct, your team may begin.

Make sure you write down complete answers to the questions. The class will need them at the next session.

## Team B

| Column 1, Questions | Column 2, Answers |
| :--- | :--- |

1. What is a work experience program? How can it help me learn technical skills?
2. Do all high schools have work experience programs? What are they usually called? At what grade level do they start?
3. I want to find out about work experience programs given at the high school in my district or in other schools in my city that I can go to. How can I get catalogs. describing them? Who in my school could talk with me or with my parents about them?
4. How do I enroll in a work experience program? Do I need to take certain courses or anything before I can get in? Who can tell me about this?
5. If I try being in a work experience program and don't like it, can I get out?
6. Does your team want any othe" information about work experience programs? If so, ask a question of your own.

Teane C Passwords


## Instructions

Find the passwords hidden in this picture.
Next, turn this page over and look at Column l. These are the questions your team can ask the visitor. Take a vote to choose three questions your team wants to ask.

Then, choose three people to ask the questions your team has picked and three others to write the answer's down in Column 2.

When ready, everyone on the team should give this signal: Cross your arms in front of you and touch your left eyebrow with your right hand and your right eyebrow with your left hand. The visitor will ask for your passwords. If they are correct, your team may begin.

Make sure you write down complete answers to the questions. The class will need them at the next session.

## Teater C

| Column 1, Questions | Column 2, Answers |
| :--- | :--- |
|  |  |
| 1. I want to find out more about the |  |
| different occupational fields we've |  |
| been talking about in this program. |  |
| Where in my school can I go to get |  |
| information? |  |

2. I want to find out what courses I should take in high school that can help me get into a technical job. Suppose I wanted to work in one of the fields in this program. How can I learn about the courses that will help me most?
3. I want to find out whether I'll need post-high school training to get a job in one of the occupational fields. Where can I get information about this?
4. Suppose I wanted to move to a different part of the country after I finish school. How can I find out what kinds of jobs there are in different places?
5. If I take courses to learn skills for one occupational field, how can I find out about the different kinds of jobs that use these skills?
6. Does your team want to know anything else about getting career information? If so, make up a question of your own.

## Mission Possible

## Team A-Outside Research

People who work in skilled and technical occupations can give you "inside" information about their jobs.

Your assignment is to have a short "interview" with a man or woman who does technical work -- someone in your own family, or a neighbor or friend, or a person in a nearby business or store.

Take this page out of your Gamebook and use it for your interview assignment. Ask the questions below and write the answers here and on the back. Do not let the page self-destruct. Bring it back to school for the next session.

1. What do you do on the job?

Answer: $\qquad$
$\qquad$
2. How did you become interested in going into this occupation?

Answer: $\qquad$
$\qquad$
3. What skills did you learn in school that help you in your job?

Answer: $\qquad$
$\qquad$
4. If I wanted to do work like yours, what courses would be important for me to take in school?

Answer: $\qquad$
$\qquad$

## Mission Possible

## Team B-Outside Research

Older students who are in industrial arts courses or work experience programs in high school or who are taking post-high school technical training can give you "inside" information about what these courses are like and how they are helpful.

Your assignment is to have a short "interview" with a girl or boy taking a high school or post-high school course or program -- someone among your family or friends, or someone who lives in your neighborhood.

Take this page out of your Gamebook and use it for your interview assignment. Ask the questions below and write the answers here and on the back. Do not let the page self-destruct. Bring it back to school for the next session.

1. What do you like best about the course (or program) you are taking?

Answer: $\qquad$
$\qquad$
2. What don't you like about it?

Answer: $\qquad$
$\qquad$
3. What made you decide to take this course (or program)?

Answer: $\qquad$
$\qquad$
4. Has taking the course (or program) helped you make decisions about your future career? How?

Answer:

## Team C-Outside Research

More and more in the media -- on TV and radio and in newspapers and magazines -- we see items about women working in skilled and technical jobs along with men.

Your assignment is to collect materials for a class media "display" on women in nontraditional occupations.

Take this page out of your Gamebook and use it for your media assignment. Divide your team into three groups. Each group should pick one of the activities below and collect items for the display. Do not let the page or the items you collect self-destruct. Bring them back to school for the next session.

Group 1. Look through newspapers and magazines for articles, ads, photographs, or cartoons about women in nontraditional jobs. Cut them out carefully so they can be used for the display.

Group 2. Watch TV for a while. See if you find programs or commercials that feature women in nontraditional jobs. Write a brief report about one or two. Use the back of this page if necessary.
1.)
(Name of program or commercial)
(Kind of job woman held)
2.)
(Name)
(Job)
(Will it help viewers understand more about women today? Why?)

Group 3. Listen to the radio for a while. See if you hear programs or news broadcasts about women in nontraditional jobs. Write a brief report about one or two. Use the back of this page if necessary.
1.)
(Name of program or news broadcast)
(Kind of job woman held)
2.)

## (Name)

(Job)
(Will it help radio audiences understand more about women today? Why ?)

## Spreading the Word

## Putting It All Together

| Some information categories | - People in trade and technical occupations <br> - Students in training course and programs <br> - Women in nontraditional jobs <br> - Interesting facts or definitions we've learned <br> - Make up your own |
| :---: | :---: |
| Some ways to use materials | - Cut out or draw pictures of people or faces. Draw a balloon from their mouths and write in what they say, using real quotes from class research. <br> - Make a map showing roads leading from school courses to jobs in trade or technical occupations. Paste on pictures of workers or students and write their quotes at places along the roads. <br> - Make an interesting arrangement of pictures, cartoons, descriptions of TV programs, news items, etc., highlighting with felt-tipped marker new ways that women are earning a living. <br> - Make groupings of photos or your own drawincs. Put captions under them, using facts or definitions from pages in your Gamebook. <br> - Make up your own |
| Some poster title suggestions | - Let Me Tell You What I Do . . . <br> - School Routes to Good Jobs <br> - Fashion News: Hard Hats for Women! <br> - Did You Realize That . . . <br> - Make up your own |
| Some layout ideas | - Stick to one basic idea for each poster. Give it a catchy title. <br> - Don't crowd on too many items. <br> - Vary photographs, news clippings, drawings, quotes, etc. <br> - Call attention to special facts or ideas by using different colors. <br> - Make up your own |

## Definitions

## School definitions

Comprehensive High Schools - Schools which offer mostly academic subjects, but include some occupational courses. Also known as regular or senior high schools.
Vocational-Technical High Schools - Schools which offer half-time occirsational training and half-time academic subjects.
Work Experience Programs - Supervised out-of-school activities, paid or unpaid, to help students learn occupational skills.
Cooperative Education Programs - School programs for credit that involve out-of-school experience at a worksite.
Work Release Programs - School programs for credit that involve out-of-school, paid, part-time work.
Work Study Programs - Jobs for students that are faid, in part, by federal government funds.
Prerequisite Course - A school course that must be passed before a student can enroll in more advanced courses in related areas.
Elective Course - A course that is not required for everyone but is one of several that students can choose from to fill out their school programs.

## Work definitions

Skilled Trades - Occupations which require special skills to do the work. Carpenters, electricians, mapmakers, draftspersons, etc. are skilled trade workers.
Entry Level - The beginning level of a job which usually requires only basic skills and a small amount of experience.
On-the-Job Training - A chance to learn while earning. Trainees are paid as they work and are taught new skills.
Apprenticeship - One of the oldest ways of acquiring skills. For two to four years, apprentices work, learn, and earn through on-the-job training and related classroom instruction.
Labor Union - An organization of workers formed to protect and improve the rights, wages, and working conditions of members. Many unions offer apprenticeship training programs.
Fringe Benefits - Other rewards, in addition to regular wages, that workers in certain jobs are entitled to. Medical insurance, bonuses for extra work, paid vacations and holidays are typical fringe benefits.
Resume - A written summary of a job applicant's education and experience that is given to employers.

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## One Picture Is Worth 1000 Words



# Hello, You're on Livewire Hotline: 

## Tell Us What's Bugging You

Uh, well...I've got a sort of embarrassing question, but if $I$ don't have to tell you my name, I guess l'll ask it anyway. I've been taking a Machine Shop course. I've learned how to work with all this heavy equipment...and I do mean heavy...but the funny thing is, I like it. I want to go on to more training and eventually get a machinist's job. Anyhow, my boyfriend says I'd better give it up before my biceps get too big. He always teases me about my muscles and makes jokes about me pumping iron. Is it really true that if a woman does this kind of nontraditional work, she'll...you know...split all her seams?

Listen, I need advice. I'm 14. My name's Tina. I don't know what I'm going to be doing 10 years from now. But one thing's for sure...I hate the idea of sitting in an office all day. I'm sort of interested in fixing cars and maybe going to voc-tech school. I've heard you get good pay in those jobs. The problem is, I live with my grandmother and she says that's not what giris should try to do. What can I say to her so she'll at least let me see what it's like for a while?

Hi. My name is Mike and I'm in a Metal Fabrication course in my high school. I've gotten to know this girl in the class and she's really good at doing the stuff we work on. But she's going to quit because she's always getting hassled by her girlfriends. They say the only reason she's in the class is to hang out with the guys. Myself, I think she should stick with it, but nothing $I$ say convinces her. Got any ideas? Besides, what's wrong with girls wanting to hang out with guys?

Gee, sometimes I wonder about women trying to work on jobs with men. I'm the only yirl on a construction site with a bunch of guys. It's part of a work experience program in my school and I've been there a month already. The men aren't mean or anything, but, boy, do they keeo to themselves. I get the feeling they think I'm from another planet and that they're telling jokes behind my back. I like the work a lot and I'd really like to get to be part of the group. How can I do it?

Good evening. I'm hoping you can help settle a family argument. My daughter's been taking an Electricity course in her school and I'm afraid she's gotten a little carried away. Now she's talking about trying to get into apprenticeship training and joining the electrical union. I've been around the building trades myself for over 20 years and let me telly you, women aren't exactly welcome in these jobs. Will you please straighten her out? I mean, what kind of employer will hire her?

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[^0]Are you real people on this hotline or are you a tape? I'm Dan. I go to voc-tech school, you know, with mostly boys. But now there are some girls taking classes in engines and motors just like we do. And that's cool... no complaints. Ir. fact they do better than a lot of guys. But I've been noticing something. Girls seem so unsure of themselves. They're always asking me or another guy if they're doing things right or if their work is OK. How should we know? We're just learning the stuff, too. It bugs me that girls don't understand that. What should I tell them next time?
8.

Hello hotline. You've got to help me decide something fast. Here's the problem. My school's giving a summer program in Construction Carpentry and my teacher's asked me to be a sort of crew chief. It means I'll probably be supervising a pack of boys. I'm not too sure it'll work out. You know, boys don't like to take orders from girls and I'm sure they're going to give me a hard time. Should I take the job? I have to say yes or no by the end of this week, but I don't want to be signing myself up for trouble.

Hi there. I don't know if I should be calling you or Ann Landers. Something's really getting to me and I'm running out of ways to handle it. I take this Drafting class in my schoo? and I'm the only girl. I'm doing it because I'm thinking about maybe being an engineer or something. That kind of work's a good deal. But the boys in my class act as if I'm kind of a Barbie-doll idiot. If they're not bugeng me for dates, they're offering to do my homework for me. It's a drag to go through this all the time. Can you give me some thanks-but-no-thanks tips?

Hello. I'd like to talk to someone who understands a mother's point of view. My 13-year-old daughter, Tracy, goes to school where girls take the same industrial arts program that boys do. I'm worried about some of these working-with-your-hands courses. Tracy says she wants to go on to college. I admit that knowing how to use tools is useful for a woman, but I don't want her to waste valuable school time. My question is, are classes like this really going to help her get ahead? I think other parents are concerned about this too. What do you think?


[^0]:    6. Is this the hotline? My girlfriend told me to call you and check something out. We're in the 9th grade and we were assigned to these typing and business courses. That's fine for lots of girls, but we'd rather take industrial arts. I want to take Wood Shop and she wants Metalworking. We've talked to the guidance office and were told that girls do better in the office courses than in the shops. And also that office training would be more helpful to us in the long run. What bugs us is this: how can someone else know how we'd do in a course before we've even tried it? What can we do about this?
