

5th Grade Career Development
Activity #13: Manufacturing Careers
Estimated time: 30-45 minutes

National Career Development Guidelines Indicators

ED1 - Attain educational achievement and performance levels needed to reach your personal and career goals

- ED1.K7 - Recognize that your educational achievement and performance can lead to many workplace options
- ED1.K8 - Recognize that the ability to acquire and use information contributes to educational achievement and performance

ED2 - Participate in ongoing, lifelong learning experiences to enhance your ability to function effectively in a diverse and changing economy

- ED2.K3 - Recognize the importance of being an independent learner and taking responsibility for your learning

CM3 - Use accurate, current, and unbiased career information during career planning and management

- CM3.K2 - Recognize that career information includes occupational, education and training, employment, and economic information and that there is a range of career information resources available
- CM3.K4 - Identify several ways to classify occupations

CM4 - Master academic, occupational, and general employability skills in order to obtain, create, maintain, and/or advance your employment

- CM4.K4 - Recognize that many skills are transferable from one occupation to another

Goal:

Students will investigate careers in the **Manufacturing** Career Cluster.

Objectives:

- Understand that a career cluster is a grouping of occupations based on commonalities
- Recognize that the **Manufacturing** Career Cluster includes careers in planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.
- Investigate careers in the **Manufacturing** Career Cluster

Materials:

- 5th Grade Career Development Activity #13– **Manufacturing Careers: List of Manufacturing Occupations** handout #1
- 5th Grade Career Development Activity #13– **Manufacturing Careers: Word Search** handout #2
- 5th Grade Career Development Activity #13– **Manufacturing Careers: Word Search** answer sheet
- Writing materials

Activity:

1. “Today we’re going to learn about some of the occupations in the **Manufacturing Career Cluster**. **A career cluster is a grouping of occupations based on things they have in common**, and today we’re looking at careers in the **Manufacturing Career Cluster**.”
2. “The **Manufacturing Career Cluster** includes careers in planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.” *Write this on the board.*
3. “The **Manufacturing Career Cluster** includes a wide number of different jobs. For example, some manufacturing is done using machines. People operate machines of all sizes – from kilns (to make pottery) to nuclear power plants (to make power).”
4. “Other manufacturing jobs require that people make things with their own hands. What things can you think of that people manufacture with their own hands?” *Write responses on the board. Some possible responses: baked goods, pottery, jewelry, furniture, cabinets, clothes.*
5. “Let’s look at a list of some of the jobs in manufacturing.” *Distribute the **Manufacturing Careers: List of Manufacturing Occupations** handout. Discuss some of the jobs on the list.*
6. “Now that we’ve talked about some of the manufacturing occupations on the list, let’s do a word search with some of these occupations.” *Explain the directions, and ensure students understand. Allow time for students to complete the handout. Walk around and offer help if needed.*
7. *When students are finished, go over the answers. Collect the handout.*

Evaluation:

Students will be evaluated on their participation and on their handout.

Handout #1

Manufacturing Careers: List of Manufacturing Occupations 5th Grade Career Development: Activity #13

Machine Operators

Gluing Machine Operators
Chemical Equipment Operators
Chemical Plant & Systems Operators
Painting Machine Operators
Machine Tool Operators
Punching Machine Operators
Extruding Machine Operators
Food Cooking Machine Operators
Gas Plant Operators
Power Plant Operators
Sewing Machine Operators
Kiln Operator
Nuclear Power Reactor Operator



Hand Production

Bakers
Cabinetmakers
Team Assemblers
Upholsterers
Electronic Equipment Assemblers
Furniture Finishers
Patternmakers
Glass Blowers
Jewelers
Model Makers
Potters



Handout #2

Manufacturing Careers: Word Search
5th Grade Career Development

Direction: Find 10 words related to the Manufacturing Career Cluster in the puzzle below. Look forwards, backwards, and diagonally!

F	K	S	X	T	Z	B	U	N	T	W	I	C	T	I	H	Y	C	J	J
F	U	A	N	J	E	L	K	J	L	C	E	A	E	T	J	A	U	T	Y
F	P	R	B	X	U	A	X	X	K	I	T	F	A	F	D	Q	O	H	P
K	H	H	N	J	X	H	L	W	Y	V	G	O	M	T	V	Z	D	O	V
A	O	H	U	I	N	Y	R	O	T	D	R	E	A	L	P	U	F	A	Y
Y	L	P	X	P	T	H	V	L	J	A	W	Y	S	E	V	X	Z	E	Y
L	S	Y	W	J	U	U	Z	S	S	J	S	Y	S	V	Y	E	W	D	D
T	T	J	M	W	Q	Q	R	E	R	B	R	I	E	W	C	H	Y	E	K
Q	E	E	G	H	G	E	X	E	A	V	S	A	M	A	Z	F	A	H	U
D	R	H	P	X	L	U	Q	K	F	R	V	P	B	Y	D	Z	R	L	J
D	E	N	B	E	A	N	E	C	E	I	T	I	L	H	H	R	T	Q	M
O	R	A	W	C	S	R	E	K	A	M	N	R	E	T	T	A	P	L	P
B	S	E	U	G	S	X	A	H	X	E	O	I	R	M	M	Y	C	D	Y
F	J	I	N	S	B	M	P	O	T	T	E	R	S	L	J	K	F	U	C
H	S	A	L	H	L	U	Z	M	G	C	C	H	Y	H	J	I	H	U	K
R	H	H	V	E	O	A	A	X	U	Q	Z	X	I	T	E	V	B	V	I
T	K	P	D	V	W	K	J	S	R	W	L	B	B	S	B	R	X	Q	V
S	J	O	O	Q	E	W	K	A	Q	V	V	C	T	Q	A	V	S	X	K
G	M	Q	V	R	R	T	F	B	C	R	M	L	O	M	R	I	W	C	P
P	G	O	S	Q	S	I	R	V	P	N	D	R	N	I	F	F	Z	K	Z

Word Bank

Bakers

Cabinetmakers

Team Assemblers

Upholsterers

Furniture Finishers

Patternmakers

Glass Blowers

Jewelers

Model Makers

Potters

Answer sheet

Manufacturing Careers: Word Search
5th Grade Career Development

F	K	S	X	T	Z	B	U	N	T	W	I	C	T	I	H	Y	C	J	J
F	U	A	N	J	E	L	K	J	L	C	E	A	E	T	J	A	U	T	Y
F	P	R	B	X	U	A	X	X	K	I	T	F	A	F	D	Q	O	H	P
K	H	H	N	J	X	H	L	W	Y	V	G	O	M	T	V	Z	D	O	V
A	O	H	U	I	N	Y	R	O	T	D	R	E	A	L	P	U	F	A	Y
Y	L	P	X	P	T	H	V	L	J	A	W	Y	S	E	V	X	Z	E	Y
L	S	Y	W	J	U	U	Z	S	S	J	S	Y	S	V	Y	E	W	D	D
T	T	J	M	W	Q	Q	R	E	R	B	R	I	E	W	C	H	Y	E	K
Q	E	E	G	H	G	E	X	E	A	V	S	A	M	A	Z	F	A	H	U
D	R	H	P	X	L	U	Q	K	F	R	V	P	B	Y	D	Z	R	L	J
D	E	N	B	E	A	N	E	C	E	I	T	I	L	H	H	R	T	Q	M
O	R	A	W	C	S	R	E	K	A	M	N	R	E	T	T	A	P	L	P
B	S	E	U	G	S	X	A	H	X	E	O	I	R	M	M	Y	C	D	Y
F	J	I	N	S	B	M	P	O	T	T	E	R	S	L	J	K	F	U	C
H	S	A	L	H	L	U	Z	M	G	C	C	H	Y	H	J	I	H	U	K
R	H	H	V	E	O	A	A	X	U	Q	Z	X	I	T	E	V	B	V	I
T	K	P	D	V	W	K	J	S	R	W	L	B	B	S	B	R	X	Q	V
S	J	O	O	Q	E	W	K	A	Q	V	V	C	T	Q	A	V	S	X	K
G	M	Q	V	R	R	T	F	B	C	R	M	L	O	M	R	I	W	C	P
P	G	O	S	Q	S	I	R	V	P	N	D	R	N	I	F	F	Z	K	Z