

THE RESEARCH BOOK FOR GIFTED PROGRAMS

by

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CONTENTS

INTRODUCTION

Relating Characteristics of the Gifted to Instruction	1
Model for Research and Independent Study Activities	4

SECTION ONE: THINKING SKILLS

Introducing Thinking Skills: Fluency.....	5
Mind Stretchers	6
Flexibility, Originality, Elaboration	7
Critical Thinking	8
Decision Making	9
Creative Problem Solving	10
Critical Reading	11
Forming Concepts	14
Judging Sources	15
Defending	16
Analyzing	17
Working from a Hypothesis	18
Communication Skills	19
Identifying Levels of Thinking	20
Tag-A-Talent Board	22
Tag-A-Talent Quiz One	23
Tag-A-Talent Quiz Two	24
Tag-A-Talent Quiz Two	25

SECTION TWO: RESEARCH SKILLS FOR GIFTED STUDENTS

A Taxonomy of Research Skills	26
Dictionary Skills: Frog and Toad	28
Dictionary Skills: Incognito Titles	34
Encyclopedia Skills: Track Down	35
Encyclopedia Skills: Reference Math	36
Tic Tac Toe with Animal Facts	37
Mei Lei	38
Card Catalog: Scary Books	39
Card Catalog: Best of Science Fiction	40
Dewey Decimal System: Baffling Battles	41
Dewey Decimal System: Mythology Mystery	42
Using Reference Sources	43
Atlas Practice	44
Useful Quick Reference Handbooks	45
Life of A Truck Driver(Reference Book Practice)	47
Almanac Practice	48
Researching the Fifty States	49
Reference Source Quick Check	50
Reference Source Quick Check	51

SECTION THREE: RESEARCH ACTIVITIES FOR PRIMARY GRADES	52
Observational Research Cards	53
Calendars	53
Hair	53
Homes	54
Desserts	54
Soda Straws	55
Balls	55
Potatoes	56
Shoes	56
Learning About Apples	57
Looking Around Our School	58
Windows and Doors	59
ABCs of Non Fiction Research: 26 Activities	60
Picture Research: Ocean Life	67
Picture Research: Insects	68
Picture Research: Birds	69
Picture Research: Community Helpers	70
Book Research Cards	71
Dinosaurs, Mammoths, Microbes	71
Oxygen, Planets, Bigfoot	72
Salt, Rot, Dinosaurs	73
Lizards, Animal Weapons, Caves	74
Icebergs, Mars, Scientists	75
Cocoa, Zoo Babies, Creatures with Pockets	76
Volcanoes, Whales, Oceans	77
UFOs, Park Rangers, Indians	78
Forests, Robots, Loch Ness	79
Seahorse, Eskimo, Jungles	80
Snails, Microscopes, Moon	81
Alligator, Octopus, Brain	82
Glaciers, Australia, Pollution	83
Signals, Universe, Spiders	84
Sea, Teeth, Prove It!	85
My Research Project	86
 SECTION FOUR: RESEARCH AND THE MIDDLE GRADES	 87
The Research Process	88
A Story to Share	89
Stating the Problem	91
Listing Known Information	92
Listing Questions	93
Listing Sources	94
Locating Sources	95
Acquiring Information	96
Taking Notes	97
Outlining	98
Preparing the Finished Product	99
Product Ideas	100
Notetaking Form	101
Bibliography Form	102
Outline Form	103
Interviewing Form	104
Research Summary Sheet	105
Research Evaluation	106

Research Cards Based on Specific Books	107
Automobiles, Famous Explorers	107
Inventors, American Revolution	108
Money, Horses	109
Colonial America, Stonehenge	110
Plants, Web of Nature	111
Earth, Fifty States	112
Animal Olympics, Sharks	113
Culture Comparison Chart	114
Mini-Newspaper	115
Animals in the News	118
Newspaper and Productive Thinking	119
Learning About Gifted Persons: Catnip Bill	122
A Study of Biography Using Bloom's Taxonomy	124
Images of Greatness	125
Biography: Inventors	126
The Annual Arts Award	127
Photo Puzzlers: One	128
Photo Puzzlers: Two	129

SECTION FIVE: RESEARCH ACTIVITIES GRADES SIX THROUGH EIGHT 130

Making the Goal in Research	131
Process and Product	132
Asking Good Questions	133
Research Cards: Upper Grades	134
Alcoholism	134
Biography	134
Capital Punishment	135
ERA	135
Folk Literature	136
Future Studies :One	136
Future Studies: Two	137
Great Goofs!	137
Leadership	138
Lyrics (Rock)	138
Stock Market	139
Television Shows	139
Comparison Research	140
Taking A Poll	141
Learning Styles	142
Leadership Study	144
Moral Development	145
Crossroads: Decisions Made by Gifted Persons	146
Researching Great Decisions in History	148
Power: Use and Abuse	149
Field Investigation: The Cemetery	151
Producing a Local History Reference Book	155
Evaluation	168

ANSWER KEYS	169
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ANALYZING



8. **Understanding Analogies:** To clarify meanings of terms or relationships. Analogies are events related to each other based on a commonality.

a. Warm up activities

- (1) Henry Hudson was to the Atlantic as Balboa was to the _____.
- (2) St. Louis is to Missouri as Toronto is to _____.
- (3) Gasoline is to automobile as _____ is to _____.
- (4) Sock is to shoe as _____ is to _____.
- (5) Atom is to energy as _____ is to _____.

9. **Analyzing Fallacies in Reasoning:** Assessing the logic of what is read.

a. Types of fallacies

- (1) **Confusing time and cause relationships:** (Ex.: Since the Democrats were in power during World Wars I and II, therefore the Democrats caused the wars.)
- (2) **False Analogies:** (Ex.: Since this person was born in our town he/she will make a better mayor than someone who was born elsewhere.)
- (3) **Stereotypic Ideas:** Oversimplification of characteristics of groups or individuals. (Ex.: All librarians wear glasses. All women are poor drivers. All men are aggressive.)
- (4) **Invalid Deductive Reasoning:** Deductive reasoning refers to a major premise, a minor premise and a conclusion. (Ex.: All living things die. People are living things. Therefore all people will die.)

Example of poor reasoning: Rattlesnakes are found in the desert.

Charlie found a rattlesnake.
Therefore Charlie must be in the desert.

- (5) Have students bring advertisements to class and analyze any fallacies found.

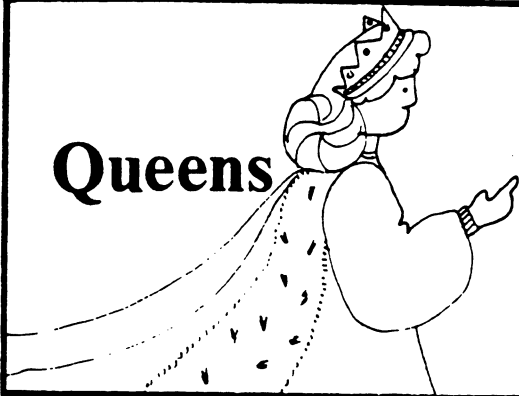
10. **Extrapolating from Current Trends:** Considering the implications of statistical trends for the future.

- a. Have students follow data for a period of time. (Food prices, stock market data, production data, population trends etc.) Analyze trends and predict effects for the future.
- b. Consider inventions of the past and their effect on society. Watch for news of new inventions and predict their effect on society.

FIND A BOOK ABOUT

ANSWER THESE QUESTIONS

Queens

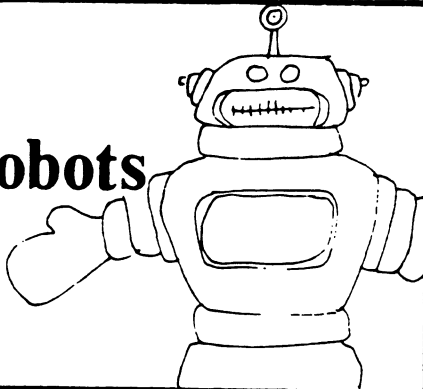


1. What is a Queen?

2. Name a fairy tale Queen.

3. Name a Queen living today.

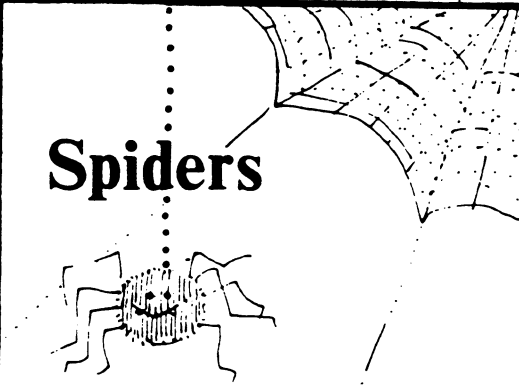
Robots



1. Name two things robots can do.

2. If you had a robot, what would you have it do?

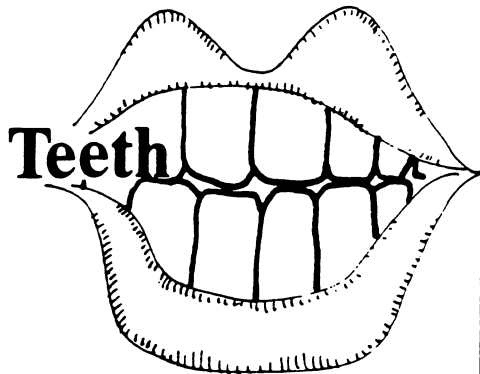
Spiders



1. What do spiders eat?

2. Why does a spider make a web?

Teeth



1. About when does a human baby get its first tooth?

2. How do people lose their teeth?
