

CONTENTS

Preface	v
Editor's Foreword	x
 SECTION ONE. What Is Ceramics?	
1. Enjoying the Finished Product	1
2. Judging Ceramics for Good Design	14
3. Discussion Topics	22
 SECTION TWO. Making Ceramic Articles	
4. Introduction to Making Ceramic	23
5. The Preparation and Use of Clay	24
6. Building with Slabs	30
7. Building with Coils and a Template	37
8. Making Handles, Lids, Covers, Spouts	49
9. Throwing on a Potter's Wheel	52
10. Forming a Piece on the Jigger	57
11. Making Molds	58
12. Casting from a Mold	67
13. Simple Modeling	72
14. Discussion Topics	87
 SECTION THREE. Designing and Planning Ceramics	
15. Introduction Functional Design	88
16. Planning a Piece Pottery	92
17. Developing a Pattern	94
18. Making a Template	95
19. Introducing Decorative Design	98
20. Adapting Motifs to Form and Material	104
21. Planning a Decorative Design	105
22. Discussion Topics	145
 SECTION FOUR. Decorating Method	
23. Introduction Decorating	146
24. Decorating Green Ware by Cutting and Carving	147
25. Decorating Green Ware by Adding Slip or Clay	150
26. Decorating Bisque and Glazed Ware	150
27. Decorating by Other Processes	151
28. Discussion Topics	155

SECTION FIVE. Glazing Pottery

29. An Introduction to Glazing	156
30. Preparing glaze	158
31. Applying Glazes	162
32. Discussion Topics	166

SECTION SIX. The Firing Process

33. Kilns and Firing	167
34. Using the Kiln Safely	168
35. Stacking the Kiln with Green Ware	170
36. Bisque or Biscuit-ware Firing	172
37. Glost Firing	173
38. Analyzing the Finished Pieces	175
39. Discussion Topics	182

SECTION SEVEN. Enameling on Metal

40. Introduction to Metal Enameling	183
41. Shaping and Cleaning the Metal Blanks	185
42. Applying the Enamel	187
43. Firing the Enameled Blank	188
44. Decorating the Surface	189
45. Finishing an Enameled Piece	193
46. Discussion Topics	195
47. Organizing and Enjoying Projects	196
48. Making Ceramics	202
49. Designing and Decorating Ceramics	206
50. Glazing Ceramics	209
51. Firing Pottery	210
52. Enameling on Metal	212
53. Miscellaneous Activities	213

SECTION NINE. Ceramics in Everyday Life

54. Opportunities for a Career in Ceramics	215
55. Industrial Production Processes	223
56. A Consumer's Guide	250
57. Some Cultural Aspects of Ceramics	259
58. Merit Badge Requirements (Official)	266
59. Discussion Topics	268

For Further Reading	270
---------------------	-----

Index	273
-------	-----