

Hierarchical School Food Ordering Reference Guide

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Hierarchical ID System

- Category IDs: 001-009 (Three digits)
- Subcategory IDs: 010-099 (Three digits)
- Item IDs: 100-999 (Three digits)

Complete Reference Table

ID	Level	Name	Parent ID
001	Category	Fresh Produce	-
011	Subcategory	Fruits	001
012	Subcategory	Vegetables	001
101	Item	Apple (Red Delicious)	011
102	Item	Apple (Granny Smith)	011
103	Item	Apple (Gala)	011
104	Item	Banana	011
105	Item	Orange	011
106	Item	Pear	011
107	Item	Grapes (Green)	011
108	Item	Grapes (Red)	011
109	Item	Strawberries	011
110	Item	Blueberries	011
111	Item	Cantaloupe	011
112	Item	Watermelon	011
113	Item	Carrots	012
114	Item	Celery	012
115	Item	Cucumber	012
116	Item	Lettuce (Iceberg)	012
117	Item	Lettuce (Romaine)	012
118	Item	Tomatoes	012
119	Item	Bell Peppers (Green)	012
120	Item	Bell Peppers (Red)	012
121	Item	Onions	012

ID	Level	Name	Parent ID
122	Item	Potatoes	012
123	Item	Sweet Potatoes	012
124	Item	Broccoli	012
125	Item	Cauliflower	012
002	Category	Dairy and Eggs	-
021	Subcategory	Dairy	002
022	Subcategory	Eggs	002
201	Item	Milk (Whole)	021
202	Item	Milk (2%)	021
203	Item	Milk (1%)	021
204	Item	Milk (Skim)	021
205	Item	Cheese (American)	021
206	Item	Cheese (Cheddar)	021
207	Item	Cheese (Mozzarella)	021
208	Item	Yogurt (Plain)	021
209	Item	Yogurt (Flavored)	021
210	Item	Butter	021
211	Item	Sour Cream	021
221	Item	Eggs	022
003	Category	Protein	-
031	Subcategory	Fresh Meat	003
032	Subcategory	Fish/Seafood	003
033	Subcategory	Plant-Based	003
301	Item	Chicken (Whole)	031
302	Item	Chicken (Breast)	031
303	Item	Chicken (Thigh)	031
304	Item	Ground Beef	031
305	Item	Beef (Steak)	031
306	Item	Pork (Chops)	031
307	Item	Turkey (Ground)	031
308	Item	Turkey (Whole)	031
321	Item	Tuna (Fresh)	032
322	Item	Salmon (Fresh)	032
323	Item	Cod	032
324	Item	Fish Sticks	032
331	Item	Tofu	033
332	Item	Tempeh	033
333	Item	Veggie Burgers	033
334	Item	Black Beans (Dried)	033
335	Item	Kidney Beans (Dried)	033
336	Item	Lentils	033
337	Item	Chickpeas (Dried)	033
004	Category	Grains and Bread	-

ID	Level	Name	Parent ID
041	Subcategory	Bread	004
042	Subcategory	Grains	004
043	Subcategory	Pasta	004
401	Item	Bread (White)	041
402	Item	Bread (Whole Wheat)	041
403	Item	Rolls (Dinner)	041
404	Item	Hamburger Buns	041
405	Item	Hot Dog Buns	041
406	Item	Tortillas (Flour)	041
407	Item	Tortillas (Corn)	041
421	Item	Rice (White)	042
422	Item	Rice (Brown)	042
431	Item	Pasta (Spaghetti)	043
432	Item	Pasta (Penne)	043
433	Item	Pasta (Macaroni)	043
005	Category	Canned and Packaged	-
051	Subcategory	Canned Vegetables	005
052	Subcategory	Canned Fruits	005
053	Subcategory	Canned Protein	005
054	Subcategory	Dry Goods	005
501	Item	Green Beans	051
502	Item	Corn	051
503	Item	Peas	051
504	Item	Mixed Vegetables	051
505	Item	Tomato Sauce	051
506	Item	Diced Tomatoes	051
521	Item	Peaches	052
522	Item	Pears	052
523	Item	Mixed Fruit	052
524	Item	Applesauce	052
525	Item	Pineapple	052
531	Item	Tuna (Canned)	053
532	Item	Chicken (Canned)	053
533	Item	Black Beans (Canned)	053
534	Item	Kidney Beans (Canned)	053
535	Item	Chickpeas (Canned)	053
541	Item	Cereal (Plain)	054
542	Item	Cereal (Sweetened)	054
543	Item	Crackers	054
544	Item	Granola	054
545	Item	Oatmeal	054
546	Item	Flour (All-Purpose)	054
547	Item	Sugar (Granulated)	054

ID	Level	Name	Parent ID
548	Item	Brown Sugar	054
006	Category	Condiments and Seasonings -	
061	Subcategory	Seasonings	006
062	Subcategory	Sauces	006
601	Item	Salt	061
602	Item	Black Pepper	061
621	Item	Ketchup	062
622	Item	Mustard	062
623	Item	Mayonnaise	062
624	Item	Ranch Dressing	062
625	Item	Italian Dressing	062
626	Item	BBQ Sauce	062
007	Category	Frozen Foods	-
071	Subcategory	Frozen Vegetables	007
072	Subcategory	Frozen Potatoes	007
073	Subcategory	Frozen Entrees	007
074	Subcategory	Frozen Desserts	007
701	Item	Mixed Vegetables	071
721	Item	French Fries	072
722	Item	Tater Tots	072
731	Item	Pizza	073
732	Item	Chicken Nuggets	073
741	Item	Ice Cream (Vanilla)	074
742	Item	Ice Cream (Chocolate)	074
743	Item	Fruit Bars	074
008	Category	Beverages	-
081	Subcategory	Juice	008
082	Subcategory	Water	008
083	Subcategory	Milk Additives	008
084	Subcategory	Hot Drinks	008
801	Item	Apple Juice	081
802	Item	Orange Juice	081
803	Item	Fruit Punch	081
821	Item	Water (Bottled)	082
831	Item	Chocolate Milk Mix	083
841	Item	Tea Bags	084
842	Item	Hot Chocolate Mix	084
009	Category	Disposables	-
091	Subcategory	Paper Goods	009
092	Subcategory	Utensils	009
093	Subcategory	Supplies	009
901	Item	Paper Plates	091
902	Item	Paper Napkins	091

ID	Level	Name	Parent ID
903	Item	Paper Towels	091
921	Item	Plastic Utensils	092
931	Item	Food Service Gloves	093

ID Structure Guide

1. Categories (001-009)

- o Three digits with leading zeros
- o Example: Fresh Produce = 001

2. Subcategories (010-099)

- o Three digits with leading zeros
- o First digit matches parent category
- o Example: Fruits = 011 (under Fresh Produce)

3. Items (100-999)

- o Three digits
- o First digit matches parent category
- o Second digit typically matches subcategory group
- o Example: Apple (Red Delicious) = 101 (under Fruits)

Parent-Child Relationships

- Each ID includes a Parent ID field to show hierarchical relationships
- Categories have no parent (marked with "-")
- Subcategories' parent is their category
- Items' parent is their subcategory

How to Use

1. Use category IDs (001-009) for broad groupings
2. Use subcategory IDs (010-099) for specific groups
3. Use item IDs (100-999) for individual products
4. Parent ID shows immediate hierarchical relationship
5. First digit of any ID indicates its top-level category

Notes

- All IDs are unique across the entire system

- All IDs are three digits with leading zeros where necessary
- Hierarchical structure allows for easy grouping and sorting
- System can accommodate additional items within each subcategory
- Gaps in numbering allow for future additions