

# DRAFT

**Bolded and underlined material is proposed to be added.**  
~~[Bracketed and strikethrough material is proposed to be deleted.]~~

Oregon State Board of Nursing ~~[Policy Document]~~ **Approved** Medication Aide Curriculum

## Curriculum Content for Medication Aide Training Programs

### ~~[Policy summary,]~~ Document Summary, Statement of Purpose and Intent

~~[It shall be the policy of the Oregon State Board of Nursing that a]~~ **All Oregon State Board of Nursing** approved medication aide training programs shall consist of the following curriculum content and competency evaluation.

### **Curriculum**

#### ~~[+]~~ Classroom instruction prior to students' care of clients that includes:

(A) Concepts in administration of medications:

- (1) Terminology and commonly used abbreviations;
- (2) Classification of medications related to body systems and common actions:

~~[(a) Antimicrobial:]~~

~~[(i) Controls or prevents growth of bacteria, fungus, virus or other microorganisms:]~~

~~[(b) a] Cardiovascular:~~

**(i) Structure and function related to medication efficacy:**

**(ii) Common actions:**

~~[(i)] a.~~ Corrects an irregular, fast or slow heart rate;

~~[(ii)] b.~~ Prevents blood from clotting;

~~[(iii)] c.~~ Lowers blood pressure;

**(iii) Contraindications:**

**(iv) Side effects:**

**(v) Drugs used for:**

**a. Anemia;**

**b. Angina;**

**c. Arteriosclerosis;**

**d. Coronary Artery Disease/Acute Coronary Syndrome;**

**e. Deep Vein Thrombosis;**

**f. Dysrhythmias;**

**g. Heart Failure;**

**h. Hypercholesterolemia;**

**i. Hypertension;**

**j. Hypotension;**

**k. Myocardial Infarction;**

**l. Shock; and**

**m. Thrombophlebitis.**

**(b) Central Nervous System:**

**(i) Structure and function related to medication efficacy:**

**(ii) Common actions:**

**a.** Prevents seizures;

**b.** Relieves pain;

**c.** Lowers body temperature;

**d.** Anti-Parkinsonian;

# DRAFT

**Bolded and underlined material is proposed to be added.**  
[Bracketed and strikethrough material is proposed to be deleted.]

Oregon State Board of Nursing [~~Policy Document~~] **Approved** Medication Aide Curriculum

- 1 e. Antidepressants;  
2 f. Promotes sleep;  
3 g. Relieves anxiety;  
4 h. Antipsychotics;  
5 i. Mood stabilizer;
- 6 **(iii) Contraindications;**  
7 **(iv) Side effects;**  
8 **(v) Drugs used for:**
- 9 a. **Alzheimer's Disease;**  
10 b. **Anxiety;**  
11 c. **Cerebrovascular accident;**  
12 d. **Chronic Fatigue Syndrome;**  
13 e. **Chronic Pain;**  
14 f. **Depression;**  
15 g. **Epilepsy;**  
16 h. **Mental Health Disorders;**  
17 i. **Multiple Sclerosis;**  
18 j. **Myasthenia Gravis; and**  
19 k. **Parkinson's Disease.**
- 20 (c) Dermatological:
- 21 (i) **Structure and function related to medication efficacy;**  
22 (ii) **Common actions:**
- 23 a. Anti-infective; **and**  
24 b. Anti-inflammatory;
- 25 **(iii) Contraindications;**  
26 **(iv) Side effects;**  
27 **(v) Drugs used for:**
- 28 a. **Cellulitis;**  
29 b. **Dermatitis;**  
30 c. **Fungal infections;**  
31 d. **Pediculosis;**  
32 e. **Petechia/Purpura;**  
33 f. **Psoriasis;**  
34 g. **Scabies; and**  
35 h. **Sunburn.**
- 36 (d) Endocrine:
- 37 **(i) Structure and function related to medication efficacy;**  
38 **(ii) Common actions:**
- 39 a. Anti-diabetic;  
40 b. Reduces inflammation;  
41 c. Hormones;
- 42 **(iii) Contraindications;**  
43 **(iv) Side effects;**  
44 **(v) Drugs used for:**
- 45 a. **Diabetes Mellitus: type 1, type 2, Gestational;**  
46 b. **Diabetes Ketoacidosis;**  
47 c. **Hypoglycemia; and**  
48 d. **Hypo/Hyperthyroidism.**

# DRAFT

**Bolded and underlined material is proposed to be added.**  
[Bracketed and strikethrough material is proposed to be deleted.]

Oregon State Board of Nursing [Policy Document] **Approved** Medication Aide Curriculum

(e) Gastrointestinal:

**(i) Structure and function related to medication efficacy;**

**(ii) Common actions:**

**a.** Promotes bowel movements;

**b.** Antacids;

**c.** Anti-diarrheal;

**d.** Reduces gastric acid;

**(iii) Contraindications;**

**(iv) Side effects;**

**(v) Drugs used for:**

**a. Bowel Obstruction;**

**b. Cholelithiasis;**

**c. Colitis;**

**d. Cirrhosis;**

**e. Constipation;**

**f. Diarrhea;**

**g. Diverticulosis;**

**h. Gastritis/Gastroenteritis;**

**i. Gastroesophageal Reflux Disease;**

**j. Hepatitis;**

**k. Hemorrhoids;**

**l. Irritable Bowel Disease;**

**m. Nausea;**

**n. Pancreatitis;**

**o. Stomatitis;**

**p. Ulcerative Gingivitis;**

**q. Ulcers; and**

**r. Vomiting.**

**(f) Immune System:**

**(i) Structure and function related to medication efficacy;**

**(ii) Common actions:**

**a. Controls or prevents growth of bacteria, fungus, virus or other microorganisms.**

**(iii) Contraindications; and**

**(iv) Side effects;**

**(v) Drugs used for:**

**a. Acquired Immunodeficiency Syndrome;**

**b. Cancer;**

**c. Fibromyalgia;**

**d. Hepatitis;**

**e. Herpes;**

**f. Hodgkin's Disease;**

**g. Leukemia;**

**h. Lupus;**

**i. Non-Hodgkin's Lymphoma;**

**j. Rheumatoid Arthritis; and**

**k. Shingles.**

**([f]g)** Musculoskeletal:

# DRAFT

**Bolded and underlined material is proposed to be added.**  
[Bracketed and strikethrough material is proposed to be deleted.]

Oregon State Board of Nursing [Policy Document] **Approved** Medication Aide Curriculum

- 1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48
- (i) **Structure and function related to medication efficacy;**
  - (ii) **Common actions:**
    - a. Relaxes muscles;
  - (iii) **Contraindications;**
  - (iv) **Side effects;**
  - (v) **Drugs used for:**
    - a. **Arthritis;**
    - b. **Back Pain;**
    - c. **Fractures;**
    - d. **Gout;**
    - e. **Joint pain;**
    - f. **Osteoarthritis/Degenerative Joint Disease;**
    - g. **Osteomyelitis;**
    - h. **Osteoporosis; and**
    - i. **Sprains and Strains.**
  - ~~[(g) Neurological:;]~~
    - ~~[(i) Prevents seizures;]~~
    - ~~[(ii) Relieves pain;]~~
    - ~~[(iii) Lowers body temperature;]~~
    - ~~[(iv) Anti-Parkinsonian;]~~
    - ~~[(v) Antidepressants;]~~
    - ~~[(vi) Promotes sleep;]~~
    - ~~[(vii) Relieves anxiety;]~~
    - ~~[(viii) Antipsychotics;]~~
    - ~~[(ix) Mood stabilizer;]~~
  - (h) Nutrient/Vitamin/Mineral(s):
    - (i) **Structure and function related to medication efficacy;**
    - (ii) **Common actions:**
      - a. Replaces chemicals missing or low in the body;
    - (iii) **Contraindications;**
    - (iv) **Side effects.**
  - (i) Respiratory:
    - (i) **Structure and function related to medication efficacy;**
    - (ii) **Common actions:**
      - a. Decreases mucus production;
      - b. Bronchodilation;
      - c. Cough depressant/expectorant;
      - d. Decongestant;
    - (iii) **Contraindications;**
    - (iv) **Side effects;**
    - (v) **Drugs used for:**
      - a. **Atelectasis;**
      - b. **Asthma;**
      - c. **Bronchitis;**
      - d. **Chronic Obstructive Pulmonary Disease;**
      - e. **Emphysema;**
      - f. **Influenza;**
      - g. **Pleurisy;**



# DRAFT

**Bolded and underlined material is proposed to be added.**  
~~[Bracketed and strikethrough material is proposed to be deleted.]~~

Oregon State Board of Nursing ~~[Policy Document]~~ **Approved** Medication Aide Curriculum

- 1 (c) Permitted procedures including performing capillary blood glucose (CBGs),  
2 adding fluid to established jejunostomy or gastrostomy tube feedings, and  
3 changing established tube feeding bags; and  
4 (d) Acceptance of verbal or telephone orders for medication(s) from a licensed  
5 health care professional who is authorized to independently diagnose and  
6 treat. Such acceptance can occur only when the CMA is working in the  
7 following community based care settings under the specified administrative  
8 rule:  
9 (i) Adult Foster Homes, as permitted under OAR Chapter 411, Division  
10 050;  
11 (ii) Residential Care Facilities, as permitted under OAR Chapter 411,  
12 Division 054; and  
13 (iii) Assisted Living Facilities, as permitted under OAR Chapter 411,  
14 Division 054.  
15 (2) CMA's responsibility for reporting to a nurse;  
16 (3) CMA's responsibility when working in a community based care setting where a  
17 registered nurse is not regularly scheduled and not available to provide direct  
18 supervision;  
19 (4) How to address conflict with role and authorized duty issues;  
20 (5) Client medication rights, including the right to confidentiality and the right to know  
21 and refuse medication;  
22 (6) CMA role under federal and state regulatory agencies; and  
23 (7) ~~[Delegation]~~ **Professional boundaries.**  
24 (C) ~~[Dosage calculation including metric and common household measures.]~~ **Knowledge of:**  
25 **(1) Common household measures as it relates to medications;**  
26 **(2) Metric system as it relates to medications;**  
27 **(3) Basic mathematics functions:**  
28 **(a) Add;**  
29 **(b) Subtract;**  
30 **(c) Multiply; and**  
31 **(d) Divide.**  
32 **(4) Reading decimals and fractions:**  
33 **(a) For example:**  
34 **(i)  $\frac{1}{4} + \frac{1}{4} = \frac{1}{2}$  ;**  
35 **(ii)  $0.5 \times 2 = 1.0$ ;**  
36 **(iii) Milligram is a smaller unit of measure than a gram;**  
37 **(iv) An ounce is larger than a gram.**  
38 **(5) Basic Roman numerals as it relates to medications.**  
39 (D) Administering and charting medications:  
40 (1) Forms of medications:  
41 (a) Liquid:  
42 (i) Aerosol;  
43 (ii) Drops **(gtts)**;  
44 (iii) Elixir;  
45 (iv) Inhalant;  
46 (v) Solution;  
47 (vi) Spray;  
48 (vii) Suspension;

# DRAFT

**Bolded and underlined material is proposed to be added.**  
[Bracketed and strikethrough material is proposed to be deleted.]

Oregon State Board of Nursing [~~Policy Document~~] **Approved** Medication Aide Curriculum

- 1 (viii) Syrup; and  
2 (ix) Tincture.  
3 (b) Solid and semi-solids:  
4 (i) Caplets;  
5 (ii) Capsules;  
6 (iii) Covered with coating (not to be crushed);  
7 (iv) Cream;  
8 (v) Dissolvable tablets;  
9 (vi) Liniment;  
10 (vii) Lotion;  
11 (viii) Lozenges;  
12 (ix) Ointment;  
13 (x) Paste;  
14 (xi) Powder;  
15 (xii) Scored versus unscored tablets; and  
16 (xiii) Time released.  
17 (2) Medication packaging;  
18 (3) Storage of medications;  
19 **(4) Medication crushing:**  
20 **(a) Which medications can be crushed; and**  
21 **(b) Mixing crushed medications correctly.**  
22 ~~[(4)]~~ **5** Preparation and administration of medications by approved routes:  
23 **(a) Utilize well lit medication preparation area;**  
24 **(b) Maintain area free from distractions and interruptions; and**  
25 **(c) Keep area neat, clean, orderly and secure.**  
26 ~~[(5)]~~ **6** Correct medication administration procedure:  
27 (a) Wash or sanitize your hands;  
28 (b) Review for medications that require checking of pulse or blood pressure  
29 before administering;  
30 (c) Identify the client;  
31 (d) Introduce yourself;  
32 (e) Explain what you are going to do;  
33 (f) Glove if necessary;  
34 (g) Observe special considerations;  
35 (h) Position the client;  
36 (i) Do what you explained;  
37 (j) Wash or sanitize your hands; and  
38 (k) Document.  
39 ~~[(6)]~~ **7** Six rights:  
40 (a) Right client;  
41 (b) Right drug;  
42 (c) Right dose;  
43 (d) Right route;  
44 (e) Right time; and  
45 (f) Right documentation.  
46 ~~[(7)]~~ **8** Three safety checks:  
47 (a) When removing the medication package from storage;  
48 (b) When removing the medication from the package/container; and

# DRAFT

**Bolded and underlined material is proposed to be added.**  
[Bracketed and strikethrough material is proposed to be deleted.]

Oregon State Board of Nursing [Policy Document] **Approved** Medication Aide Curriculum

- (c) When returning the package to where it is stored.
- (9) Positioning techniques to prevent aspiration with swallowing issues;**  
[8] **10** Individual [age] specific **considerations in administering medications** (age, cultural, familial, physiological, and psychological) [considerations in administering medications];
- [9] **11** Use of Medication Administration Record (MAR) to:
- (a) Administer medications; and
  - (b) Document medication administration;
- [10] **12** Medication errors and reporting techniques; and
- [11] **13** Auditing and inventory systems:
- (a) Narcotic counts; and
  - (b) Disposition of outdated or unused medications.

**In addition, prior to being permitted to administer medications directly to clients, the medication aide student must successfully complete a skills checklist. Each student must practice each skill on the skills checklist prior to any clinical experience/client contact.**

## **Competency Evaluation**

### **A. Lab:**

**[(1)] (1)** During the course of training, the student must successfully demonstrate at least the following skill competencies **in the lab setting** as evidenced by satisfactory completion of the **[lab and clinical] skills checklist**:

- (A) Follows standard precautions including hand hygiene according to the Centers for Disease Control and Prevention guidelines;
- (B) Prepares for medication administration;
- (C) Completes three safety checks;
- (D) Correctly interprets abbreviations;
- (E) [Calculates] **Interprets** dosages correctly;
- (F) Consistently identifies specific drug properties of drug being given:
  - (1) Classification;
  - (2) Dose; [and]
  - (3) **Common actions;**
  - (4) **Contraindications; and**
  - [(3)] **(5)** Side effects;
- (G) Checks for known medication allergies before administering medication;
- (H) Checks the expiration date of the medication before administering;
- (I) Uses organized system for passing medications;
- (J) Protects confidentiality;
- (K) Follows correct medication administration procedures (Six rights):
  - (1) Right client;
  - (2) Right drug;
  - (3) Right dose;
  - (4) Right route;
  - (5) Right time; and
  - (6) Right documentation.
- (L) Measures liquid medications accurately;
- (M) Properly administers medications by at least the following routes:
  - (1) Oral;

# DRAFT

**Bolded and underlined material is proposed to be added.**  
[Bracketed and strikethrough material is proposed to be deleted.]

Oregon State Board of Nursing [~~Policy Document~~] **Approved** Medication Aide Curriculum

- (2) Sublingual;
- (3) Buccal;
- (4) Eye;
- (5) Ear;
- (6) Nasal;
- (7) Rectal;
- (8) Vaginal;
- (9) Skin ointments, topical including patches and transdermal;
- (10) Gastrostomy or jejunostomy tubes;
- (11) Premeasured medication delivered by Aerosol/Nebulizer; and
- (12) Medications delivered by metered hand-held inhalers.
- (N) Observes client swallowing medication;
- (O) Consults **current, relevant** resources (drug references [~~books~~], charge nurse, etc.) as needed;
- (P) Maintains security of medication room and cart;
- (Q) Accurately documents medication following administration; and
- (R) Demonstrates appropriate reporting to nurse.

## **B. Clinical:**

**(1) During the course of training, the student must successfully demonstrate at least the following skill competencies in the clinical setting as evidenced by satisfactory completion of the skills checklist:**

- (A) Follows standard precautions including hand hygiene according to the Centers for Disease Control and Prevention guidelines;**
- (B) Prepares for medication administration;**
- (C) Completes three safety checks;**
- (D) Correctly interprets abbreviations;**
- (E) Interprets dosages correctly;**
- (F) Consistently identifies specific drug properties of drug being given:**
  - (1) Classification;**
  - (2) Dose;**
  - (3) Common actions;**
  - (4) Contraindications; and**
  - (5) Side effects;**
- (G) Checks for known medication allergies before administering medication;**
- (H) Checks the expiration date of the medication before administering;**
- (I) Uses organized system for passing medications;**
- (J) Protects confidentiality;**
- (K) Follows correct medication administration procedures (Six rights):**
  - (1) Right client;**
  - (2) Right drug;**
  - (3) Right dose;**
  - (4) Right route;**
  - (5) Right time; and**
  - (6) Right documentation.**
- (L) Measures liquid medications accurately;**
- (M) Properly administers medications by at least the following routes:**
  - (1) Oral;**

# DRAFT

**Bolded and underlined material is proposed to be added.**  
[Bracketed and strikethrough material is proposed to be deleted.]

Oregon State Board of Nursing [~~Policy Document~~] **Approved** Medication Aide Curriculum

1           **(2) Eye;**

2           **(3) Skin ointments, topical including patches and transdermal; and**

3           **(4) Premeasured medication delivered by Aerosol/Nebulizer;**

4 **(N) Observes client swallowing medication;**

5 **(O) Consults current, relevant resources (drug references, charge nurse, etc.) as**  
6 **needed;**

7 **(P) Maintains security of medication room and cart;**

8 **(Q) Accurately documents medication following administration; and**

9 **(R) Demonstrates appropriate reporting to nurse.**

10  
11 ~~[(H) At the discretion of the Program Director and Primary Instructor, the skills lab~~  
12 ~~demonstration may be included in either the classroom or the clinical hours.]~~