

COURSE SYLLABUS

RNSG 2462 (4:0:16)

**CLINICAL NURSING: MATERNAL/CHILD**

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ASSOCIATE DEGREE NURSING PROGRAM

DEPARTMENT OF NURSING

HEALTH SCIENCES DIVISION

LEVELLAND CAMPUS

SOUTH PLAINS COLLEGE

FALL 2020

COURSE TITLE: RNSG 2462 Clinical Nursing (RN Training) Maternal-Child

INSTRUCTORS: Jill Pitts, MSN, RNC (Course Leader, OB)  
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Denise Glab MSN, RN (Course Leader, Mom-Baby)

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OFFICE HOURS: Mondays, 0800 to 1600 and by appointment

SOUTH PLAINS COLLEGE IMPROVES EACH STUDENT'S LIFE

## GENERAL COURSE INFORMATION

### FACE COVERING COURSE SYLLABUS STATEMENT

It is the policy of South Plains College for the Fall 2020 semester that as a condition of on-campus enrollment, all students are required to engage in safe behaviors to avoid the spread of COVID-19 in the SPC community. Such behaviors specifically include the requirement that all students properly wear CDC-compliant face coverings while in SPC buildings including in classrooms, labs, hallways, and restrooms. Failure to comply with this policy may result in dismissal from the current class session. If the student refuses to leave the classroom or lab after being dismissed, the student may be referred to the Dean of Students on the Levelland campus or the Dean/Director of external centers for Student Code of Conduct Violation.

### A. COURSE DESCRIPTION

RNSG 2462 is a health related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. The specialized content of this course focuses on the concepts related to the provision of nursing care for childbearing and childrearing families within the four roles of nursing (member of the profession, provider of patient-centered care, patient safety advocate, and member of the health care team). This course includes the application of systematic problem-solving processes and critical thinking skills, including a focus on the childbearing family during the perinatal periods and the childbearing family from birth to adolescence. Upon completion of this course, the student will show competency in knowledge, judgment, skill and professional values within a legal/ethical framework focused on childbearing and childrearing families. Direct supervision is provided by the clinical professional. This course must be taken and passed concurrently with RNSG 1412.

Supportive foundation knowledge needed to care for the childbearing/childrearing individual, family and community includes physical and emotional aspects of nursing care, integrating developmental, nutritional, and pharmacological concepts. Additionally, essential in success are concepts of communication, safety, legal ethical issues, current technology, economics, humanities and biological, social and behavioral sciences.

Meet all requirements for admission into the Associate Degree Nursing Program.

1. Prerequisites: RNSG 1413, 1105, 1160, 1115, 1144, 1443, 2460, 2213, 2261, 1443, & 2461. BIOL 2401, 2402, 2420. PSYC 2314, ENGL 1301, & Humanities course.
2. Teaching Strategies: nursing laboratory, simulated lab, audiovisual media, student presentations, and group discussion, selected case presentation material, review of journal articles, study guides, patient care conference, computer programs, and individual and multiple client assignments.

## COURSE LEARNING OUTCOMES

Upon successful completion of RNSG 2462, the student will meet all End of Program Student Learning Outcomes (EPSLOs) and course Student Learning Outcomes (SLOs). Additional specific information and objectives are found in the course description, the Clinical Evaluation Tool and weekly site tool objectives. In addition to the program educational objectives, the DECS (Differentiated Essential Competencies, (2010) are found within the Clinical Evaluation Tool and are designated by their letters and numbers in the numbered role columns in each unit.

### SPC ADN End of Program STUDENT LEARNING OUTCOMES (EPSLOs)

1. **CLINICAL DECISION MAKING** – Provides competent nursing interventions based on application of the nursing process and demonstration of critical thinking, independent judgment, and self-direction while caring for patients and their families.
2. **COMMUNICATION AND INFORMATION MANAGEMENT** – Communicates effectively utilizing technology, written documentation and verbal expression with members of the health care team, patients and their families.
3. **LEADERSHIP** – Demonstrates knowledge of basic delegation, leadership management skills and coordinates resources to assure optimal levels of health care for patients and their families.
4. **SAFETY** – Implements appropriate interventions to promote a quality and safe environment for patients and their families.
5. **PROFESSIONALISM** – Demonstrates knowledge of professional development and incorporates evidenced based practice in the nursing profession. Incorporates concepts of caring, including moral, ethical, legal standards while embracing the spiritual, cultural and religious influences on patients and their families.

## **COURSE STUDENT LEARNING OUTCOMES (SLOs) – RNSG 1412 & 2462**

### **CLINICAL DECISION MAKING**

1. Analyze and utilize assessment and reassessment data to plan and provide individualized care for the childbearing/childrearing patient and family.
2. Demonstrate the orderly collection of information from multiple sources to establish a foundation of holistic nursing care to meet the needs of the childbearing/childrearing patient and family.
3. Manage and prioritize nursing care of the childbearing/childrearing patient and family.

### **COMMUNICATION**

4. Demonstrate effective communication through caring, compassion, and cultural awareness for the childbearing/childrearing patient and family.
5. Develop, implement, and evaluate individualized teaching plans for the childbearing/childrearing patient and family.

### **LEADERSHIP**

6. Demonstrates shared planning, decision making, problem solving, goal setting, cooperation and communication with the childbearing/childrearing patient, family and members of the healthcare team.
7. Coordinate and evaluate the effectiveness of the healthcare team and community resources in the delivery of health care to the childbearing/childrearing patient and family.

### **SAFETY**

8. Provide safe, cost-effective nursing care in collaboration with members of the health care team using critical thinking, problem solving, and the nursing process in a variety of settings through direct care, assignment or delegation of care.

### **PROFESSIONALISM**

9. Integrate ethical, legal, evidence based and regulatory standards of professional nursing practice in caring for the childbearing/childrearing patient and family.
10. Demonstrate caring behaviors that are nurturing, protective, safe, compassionate and person-centered where patient choices related to cultural values, beliefs and lifestyle are respected in the childbearing/childrearing patient and family.

11. Assume responsibility for professional and personal growth and development.

CLINICAL OBJECTIVES (See RNSG2462 Clinical Packet and Weekly Site Tools on Blackboard)

## EVALUATION METHODS

Successful completion of this course requires that no more than three weekly site tools earn a grade of below 77%. All clinical objectives on the Clinical Evaluation Tool must be met with a “Satisfactory” score on the final evaluation. Regular clinical attendance is required. Upon successful completion of this course, each student will have demonstrated accomplishment of the objectives for the course, through a variety of modes.

## ACADEMIC INTEGRITY

Please refer to the SPC ADNP Nursing student handbook “Honesty Policy”. This policy covers testing violations, record falsification violations and plagiarism violations. Plagiarism violations will result in dismissal from the ADN Program.

### **Examples of student plagiarism:**

- Copying material without quotes, in-text citations, and/or referencing
- Paraphrasing content without in-text citation and/or referencing
- Copying ideas, words, answers, exams, or shared work from others when individual work is required
- Using another’s paper in whole or in part
- Allowing another student to use one’s work
- Claiming someone else’s work is one’s own
- Resubmitting one’s own coursework, when original work is required (self-plagiarism)
- Falsifying references or bibliographies
- Getting help from another person without faculty knowledge or approval
- Purchasing, borrowing, or selling content with the intent of meeting an academic requirement for oneself or others

Smith, L. (2016), Nursing 2016, 46 (7), p. 17

**COLLEGE HANDBOOK INFORMATION ON ACADEMIC INTEGRITY:** It is the aim of the faculty of South Plains College to foster a spirit of complete honesty and a high standard of integrity. The attempt of any student to present as his or her own any work which he or she has not honestly performed is regarded by the faculty and administration as a most serious offense and renders the offender liable to serious consequences, possibly suspension.

**Cheating** - Dishonesty of any kind on examinations or on written assignments, illegal possession of examinations, the use of unauthorized notes during an examination, obtaining information during an examination from the textbook or from the examination paper of another student, assisting others to cheat, alteration of grade records, illegal entry or unauthorized presence in the office are examples of cheating. Complete honesty is required of the student in the

presentation of any and all phases of coursework. This applies to quizzes of whatever length, as well as final examinations, to daily reports and to term papers.

**Plagiarism** - Offering the work of another as one's own, without proper acknowledgment, is plagiarism; therefore, any student who fails to give credit for quotations or essentially identical expression of material taken from books, encyclopedias, magazines and other reference works, or from themes, reports or other writings of a fellow student, is guilty of plagiarism.

## VERIFICATION OF WORKPLACE COMPETENCIES

External learning experiences (clinical rotations) provide a workplace setting in which students apply content and strategies related to program theory and management of the workflow. Successful completion of the DECS; EPSLOs at the semester fourth level; Clinical Evaluation Tool objectives and Weekly Site Tool objectives will allow the student to graduate from the ADN Program. Upon successful completion of the program students will be eligible to apply to take the state board exam (NCLEX) for registered nurse licensure.

## BLACKBOARD

Blackboard is an e-Education platform designed to enable educational innovations everywhere by connecting people and technology. This educational tool will be used in this course throughout the semester.

## FACEBOOK

The nursing program has a Facebook page at <https://www.facebook.com/SPCNursing17/>

## SCANS AND FOUNDATIONS SKILLS

Scans and foundation skills found within this course are listed below the unit title and above the content column of each unit.

## SPECIFIC COURSE REQUIREMENTS

### **Required Texts**

Murray, McKinney, Holub & Jones (2019). Maternal-Newborn and Women's Health Nursing (7<sup>th</sup> Edition)

Ball, Bindler & Cowan (2019). Child Health Nursing (3<sup>rd</sup> Edition, Update).

Taketome, Hodding, & Kraus (2018 or 2019). Lexicomp's Pediatric Dosage Handbook. (25<sup>th</sup> or 26<sup>th</sup> Edition)

\* \* Drug Book of Choice

\* \* Medical Dictionary of Choice

## ATTENDANCE POLICY

The SPC ADNP policy must be followed. Refer to the SPC ADNP Student Nurse handbook to review this policy. In addition, refer to the attendance policy found in the South Plains College Catalog ([http://catalog.southplainscollege.edu/content.php?catoid=47&navoid=1229#Classes\\_Attendance](http://catalog.southplainscollege.edu/content.php?catoid=47&navoid=1229#Classes_Attendance)).

### Dropping a class

Students should submit a [Student Initiated Drop Form](#) online.

**Students will not be required to obtain an instructor signature to drop**, however, we do encourage students to communicate with instructors or advisors prior to dropping a course when they are able. **There will be no charge for drops for the fall or spring semesters.**

### Withdrawing from all classes

If a student wishes to withdraw from all courses, they should initiate that process with the Advising Office. They can schedule an appointment with an advisor by visiting <http://www.southplainscollege.edu/admission-aid/advising/spcadvisors.php> or by calling 806-716-2366.

### Schedule Change (after late registration and before census date)

To make a schedule change after late registration (August 28) and before the census date (September 9), students should submit a [Schedule Change Form](#).

After late registration, adding a class requires instructor approval. If a student is requesting to be added to one of your courses and you approve, please email [registrar@southplainscollege.edu](mailto:registrar@southplainscollege.edu) with your approval. This can take the place of signature on the Schedule Change Form that we have required in the past.

For additional information regarding schedule changes, drops and withdrawals, [click here](#).

## ASSIGNMENT POLICY

1. Site tools (found on Blackboard) are due on Monday by 0900 after clinical rotations are completed. Late tool policy: With the first late tool, 5 points will be deducted if it is submitted by noon on Monday. If that tool is submitted after noon then the grade is zero. Any subsequent tools will be given a grade of zero if submitted after Monday at 0900. The tool must still be submitted even if it is going to be late so that the student may be given feedback from instructors on their clinical performance.

## GRADING POLICY

1. This course is assigned a pass/fail grade status.
2. No more than 3 weekly clinical grades may be less than 77% to pass RNSG 2462.
3. All clinical objectives on the **final** clinical evaluation tool must be met with a “Satisfactory” rating to pass RNSG 2462.
4. All absence assignments for **excused** absences must be completed as assigned with a

grade of 77% or better. If the grade is below 77% on any absence assignment, then an additional assignment will be given for the student to complete; however, the absence still stands and is not removed by completing an absence assignment. **Unexcused** absences will be awarded a grade of zero and a makeup assignment must be completed as assigned with a grade of 77% or better to continue in the course. If the grade is below 77% on any make-up assignment, then an additional assignment will be given for the student to complete.

\*\*Virtual clinical assignments may be required based on absences due to COVID 19 protocols. The course objectives must be met in order to pass RNSG2462. The COVID 19 protocols are ever evolving and students will be updated throughout the semester.

5. Failure of either theory or clinical will necessitate repeating both concurrent Fourth semester courses (RNSG1412 and RNSG2462). When repeating any course, the student is required to retake all aspects of the course including the required written work.

## **SPECIAL REQUIREMENTS**

### A. Clinical Component

1. Refer to the Clinical Evaluation Tool and Weekly Site Tool grading rubrics (found on Blackboard) for clinical grading criteria.
2. When students exhibit inappropriate behavior, i.e., tardiness to clinical or skills lab, the instructor of that student along with consultation from the course leader will handle the situation with his/her discretion.
3. Cell phones or Smart watches are NOT allowed in any clinical facility during clinical rotations. Students who violate this guideline may be removed from the clinical setting and will receive a grade of zero on their clinical tool for the rotation. You may not make personal phone calls during clinicals without an instructor's permission unless it is during your lunch break. **Please give your family and friends Jill Pitts' cell phone number 806 787-0997 to call in case of emergencies.** She has the master schedule and will quickly contact the student.
4. Students are expected to attend all scheduled days of the clinical experience. In the event of illness, it is the student's responsibility to utilize the "Call In" number to notify faculty of the problem. The student is to call the clinical area (if outside of the hospital) he/she is assigned to that day before the start of the workday. Should the student miss a clinical day, a Contact Record will be completed and this record will indicate the additional assignment required and dates for completion. Failure to notify the instructor of an absence or early dismissal from a clinical rotation for any reason will result in a grade of zero for that clinical assignment. Should a third absence occur, the student may be dropped from the course.

The student's right of appeal is outlined in the ADN student handbook and the SPC Student Guide.

### A. Skills Lab/ Simulation lab

1. Students are expected to attend all scheduled virtual and face to face simulation experiences. A simulation absence counts as a clinical absence.



2. Designated videos are considered part of the skills lab.

## **Clinical Responsibilities**

1. It is the student's responsibility to seek opportunities during his/her clinical experience to meet the required clinical goals and complete the clinical evaluation and site tool objectives for each assigned clinical area. The clinical evaluation tool, objectives (site tools) and clinical grading rubric should be reviewed prior to each clinical day in order to insure an optimum clinical experience. The unit specific site tools should be completed and submitted weekly via Blackboard. Each objective on the clinical evaluation tool must be validated by the student at the end of each evaluation period.
2. A minimum of two scheduled clinical evaluations per semester is required (Midterm and final evaluations). More evaluations may be scheduled based upon student or instructor identified need.
3. The clinical instructor may remove the student from the clinical setting if the student demonstrates unsafe or undesirable clinical performance as evidenced by the following:
  - a). Is inadequately prepared for clinical.
  - b). Places a client in physical or emotional jeopardy.
  - c). Inadequately and/or inaccurately utilizes the nursing process.
  - e). Violates previously mastered principles/learning/objectives in carrying out nursing care skills and/or delegated nursing functions.
  - f). Assumes inappropriate independence in action or decisions. (For example: The student may not suggest referrals for patients – please notify the TPCN for concerns related to referrals. Students cannot initiate infant adoption arrangements.)
  - g). Fails to recognize own limitations, incompetence and/or legal responsibilities.
  - h). Fails to accept moral and legal responsibility for his/her own actions; thereby, violating professional integrity.
  - i). Noncompliance with SPC ADN dress code.
  - j). Lack of initiative and self-direction.
  - k). Displays unprofessional conduct.
  - l). Brings a cell phone or smart watch into the clinical setting without faculty permission.
  - m). Each clinical rotation has “Clinical Preparation Requirements” in the RNSG2462 Clinical Packet1 that give further direction and guidance for every rotation.
3. No copies of any part of the patient’s chart or actual parts of the patients’ chart may be removed from the hospital or clinic by the student. This is a breach of confidentiality and students will be dismissed from the class and/or program for violating this guideline.
4. Prior to the end of the semester, each student will be expected to provide total patient care to two or more clients daily.
5. Each student is expected to be knowledgeable regarding the Nurse Practice Act in respect to professional performance, including delegation rules.
6. Lab prescriptions - a prescription will be assigned by the clinical instructor for any specific

skill that he/she decides needs further practice.

7. The SPC Uniform Policy must be followed in all clinical areas (both hospital and community). See the ADNP Student Handbook.
8. Each student will maintain a clinical notebook throughout the semester that will include the Newborn Study Guide; Labor Study Guide and assigned Drug cards for Labor and Delivery, Mom-Baby and Newborn. This notebook should be brought to every rotation in Mom-Baby and Labor & Delivery.
9. Medication Administration: Refer to the Medication Administration Policy in Student Handbook (Levels I, II, and III pertain to this semester) and the Preparation of Pediatric Medication sheet in syllabus.
10. The student is expected to review clinical site preparation recommendations and review the study guides and hospital student orientation manuals for UMC (available on blackboard) prior to attending clinical rotations in those areas of the hospital.

### **COMPUTER USAGE**

As computer technology in the field of health occupations continues to become more popular, computers will be used in this course for several assignments. All students have access to computers and printers on the South Plains College campus; however, access will be limited during COVID 19 restrictions. Students will be expected to utilize computers to access assignments and classroom resources. All registered students are supplied with a working email account from South Plains College. In order to take exams, students must have their username and password.

### **COMPUTER LAB USAGE**

**There will no computer access for printing in the Health Sciences Computer Lab during COVID 19 restrictions. ALL STUDENTS ARE EXPECTED TO KNOW THEIR SPC STUDENT USERNAME AND PASSWORD.**

### **COURSE SCHEDULE**

Class will meet weekly on Thursday and Friday from 0630 to 1430 or 1400 to 2200 (Thurs.) and 1130 to 1830 (Fri.) for 15 weeks during the semester. Please see clinical calendar on Blackboard course RNSG 2462.

### **COMMUNICATION POLICY**

Electronic communication between instructor and students in this course will utilize the South Plains College "My SPC" and email systems. We will also utilize text messaging or phone calls for communication. The instructor will not initiate communication using private email accounts. Students are encouraged to check SPC email on a regular basis each week of class. Students will also have access to assignments, web-links, handouts, and other vital material which will be delivered via Blackboard. Any student having difficulty accessing Blackboard or their email should immediately contact the IT Help Desk or an instructor for direction.

### **CAMPUS CARRY**

Campus Concealed Carry - Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list

of locations, please refer to the SPC policy at:

([http://www.southplainscollege.edu/human\\_resources/policy\\_procedure/hhc.php](http://www.southplainscollege.edu/human_resources/policy_procedure/hhc.php))

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.

### **PREGNANCY ACCOMMODATIONS STATEMENT**

If you are pregnant, or have given birth within six months, Under Title IX you have a right to reasonable accommodations to help continue your education. To activate accommodations you must submit a Title IX pregnancy accommodations request, along with specific medical documentation, to the Director of Health and Wellness. Once approved, notification will be sent to the student and instructors. It is the student's responsibility to work with the instructor to arrange accommodations. Contact Crystal Gilster, Director of Health and Wellness at 806-716-2362 or email [cgilster@southplainscollege.edu](mailto:cgilster@southplainscollege.edu) for assistance.

### **STUDENT CONDUCT**

Rules and regulations relating to the students at South Plains College are made with the view of protecting the best interests of the individual, the general welfare of the entire student body and the educational objectives of the college. As in any segment of society, a college community must be guided by standards that are stringent enough to prevent disorder, yet moderate enough to provide an atmosphere conducive to intellectual and personal development.

A high standard of conduct is expected of all students. When a student enrolls at South Plains College, it is assumed that the student accepts the obligations of performance and behavior imposed by the college relevant to its lawful missions, processes and functions. Obedience to the law, respect for properly constituted authority, personal honor, integrity and common sense guide the actions of each member of the college community both in and out of the classroom.

Students are subject to federal, state and local laws, as well as South Plains College rules and regulations. A student is not entitled to greater immunities or privileges before the law than those enjoyed by other citizens. Students are subject to such reasonable disciplinary action as the administration of the college may consider appropriate, including suspension and expulsion in appropriate cases for breach of federal, state or local laws, or college rules and regulations. This principle extends to conduct off-campus which is likely to have adverse effects on the college or on the educational process which identifies the offender as an unfit associate for fellow students. Any student who fails to perform according to expected standards may be asked to withdraw. Rules and regulations regarding student conduct appear in the current Student Guide.

### **ACCOMMODATIONS**

#### **DIVERSITY STATEMENT**

In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

#### **DISABILITIES STATEMENT**

Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to

the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland Student Health & Wellness Center 806-716-2577, Reese Center (also covers ATC) Building 8: 806-716-4675, Plainview Center Main Office: 806-716-4302 or 806-296-9611, or the Health and Wellness main number at 806-716-2529.

## SCANS COMPETENCIES

### **RESOURCES: Identifies, organizes, plans and allocates resources.**

- C-1 **TIME**--Selects goal--relevant activities, ranks them, allocates time, and prepares and follows schedules.
- C-2 **MONEY**--Uses or prepares budgets, makes forecasts, keeps records, and makes adjustments to meet objectives
- C-3 **MATERIALS & FACILITIES**--Acquires, stores, allocates, and uses materials or space efficiently.
- C-4 **HUMAN RESOURCES**--Assesses skills and distributes work accordingly, evaluates performances and provides feedback.

### **INFORMATION--Acquires and Uses Information**

- C-5 Acquires and evaluates information.
- C-6 Organizes and maintains information.
- C-7 Interprets and communicates information.
- C-8 Uses computers to Process information.

### **INTERPERSONAL--Works With Others**

- C-9 Participates as members of a team and contributes to group effort.
- C-10 Teaches others new skills.
- C-11 Serves clients/customers--works to satisfy customer's expectations.
- C-12 Exercises leadership--communicates ideas to justify position, persuades and convinces others, responsibly challenges existing procedures and policies.
- C-13 Negotiates--Works toward agreements involving exchanges of resources resolves divergent interests.
- C-14 Works with Diversity--Works well with men and women from diverse backgrounds.

### **SYSTEMS--Understands Complex Interrelationships**

- C-15 Understands Systems--Knows how social, organizational, and technological systems work and operates effectively with them
- C-16 Monitors and Correct Performance--Distinguishes trends, predicts impacts on system operations, diagnoses systems' performance and corrects malfunctions.
- C-17 Improves or Designs Systems--Suggests modifications to existing systems and develops new or alternative systems to improve performance.

### **TECHNOLOGY--Works with a variety of technologies**

- C-18 Selects Technology--Chooses procedures, tools, or equipment including computers and related technologies.
- C-19 Applies Technology to Task--Understands overall intent and proper procedures for setup and operation of equipment.
- C-20 Maintains and Troubleshoots Equipment--Prevents, identifies, or solves problems with equipment, including computers and other technologies.

## FOUNDATION SKILLS

### **BASIC SKILLS--Reads, writes, performs arithmetic and mathematical operations, listens and speaks**

- F-1 Reading--locates, understands, and interprets written information in prose and in documents such as manuals, graphs, and schedules.
- F-2 Writing--Communicates thoughts, ideas, information and messages in writing, and creates documents such as letters, directions, manuals, reports, graphs, and flow charts.
- F-3 Arithmetic--Performs basic computations; uses basic numerical concepts such as whole numbers, etc.
- F-4 Mathematics--Approaches practical problems by choosing appropriately from a variety of mathematical techniques.
- F-5 Listening--Receives, attends to, interprets, and responds to verbal messages and other cues.
- F-6 Speaking--Organizes ideas and communicates orally.

### **THINKING SKILLS--Thinks creatively, makes decisions, solves problems, visualizes, and knows how to learn and reason**

- F-7 Creative Thinking--Generates new ideas.
- F-8 Decision-Making--Specifies goals and constraints, generates alternatives, considers risks, and evaluates and chooses best alternative.
- F-9 Problem Solving--Recognizes problems and devises and implements plan of action.
- F-10 Seeing Things in the Mind's Eye--Organizes and processes symbols, pictures, graphs, objects, and other information.
- F-11 Knowing How to Learn--Uses efficient learning techniques to acquire and apply new knowledge and skills.
- F-12 Reasoning--Discovers a rule or principle underlying the relationship between two or more objects and applies it when solving a problem.

### **PERSONAL QUALITIES--Displays responsibility, self-esteem, sociability, self-management, integrity and honesty**

- F-13 Responsibility--Exerts a high level of effort and preservers towards goal attainment.
- F-14 Self-Esteem--Believes in own self-worth and maintains a positive view of self.
- F-15 Sociability--Demonstrates understanding, friendliness, adaptability, empathy, and politeness in group settings.
- F-16 Self-Management--Assesses self accurately, sets personal goals, monitors progress, and exhibits self-control.
- F-17 Integrity/Honesty--Chooses ethical courses of action.



