
KNOWLEDGE AND EMPLOYABILITY FABRICS GRADES 8 AND 9

Knowledge and Employability junior high school occupational programs of study focus on the *exploration* stage of student understanding and progress. The junior high school occupational component consists of nine strands, each with specific units. Learning begins at the students' level of understanding and ability. Students progress through the levels in each area of study and unit, as appropriate, as they demonstrate increased proficiency and capabilities. Areas of study and related units may be combined to form a course or courses during each year of the students' involvement in the Knowledge and Employability occupational component. The interests and abilities of students, and school and community resources, determine the selected units and areas of study. The provision of activities and practical applications assist students in everyday tasks and in gaining entry-level employability skills.

Strand: Fabrics

Unit A: Basic Sewing

Knowledge and Employability junior high occupational courses are designed to develop academic and basic/employability competencies through an applied and meaningful context.

Academic competencies are to be enhanced through each area of study and include:

- literacy
- numeracy
- technology.

Basic/employability competencies are to be developed within each area of study and include:

- work skills
- organizational skills
- workplace performance
- positive workplace attitudes.

Occupational competencies are the combination of knowledge, skills and work effort needed to perform a task. These competencies relate to the unit of study and include:

- career awareness
- applied academic skills
- safety
- knowledge (concepts and skills)
- workplace performance.

The Knowledge and Employability occupational component emphasizes the interrelationships among, and the connections to, other school subjects, the home, the workplace and the community. Integrated thematic units, projects and community partnerships link other school subjects and career development within the occupational component courses and units of study to promote cross-curricular, workplace and community connections. Teachers are encouraged to pursue various opportunities through community partnerships; e.g., the use of speakers, mentors and business sites for work-study or job shadowing.

Students develop and expand their career portfolios as they progress through Knowledge and Employability courses. Career portfolios include evidence that demonstrates student competencies and abilities; e.g., workplace assessments, photographs of products made in occupational component units and acknowledgement/recognition from community members.

UNIT A: BASIC SEWING

Students will complete a variety of projects/activities to develop competencies in safety, selecting fabrics, sewing by hand and machine, working with patterns, and maintaining and repairing clothing and fabrics. They will add samples, photographs and other evidence of their progress to their career portfolios.

General Outcomes

Students will:

- develop academic competencies to enhance knowledge and skills when working with fabrics
- develop basic/employability competencies through individual effort and interpersonal interaction while completing a variety of projects/activities
- develop occupational competencies through the combination of knowledge, skills and work effort needed to perform tasks related to sewing.

ACADEMIC COMPETENCIES

General Outcomes	Specific Outcomes
Students will reinforce the development of literacy and numeracy skills related to occupational contexts.	<i>Students will:</i> <ul style="list-style-type: none">• demonstrate effective oral and written communication skills• demonstrate an understanding of basic occupational terminology• use appropriate nonverbal communication skills• listen effectively• read and interpret appropriate directions, ingredients, graphs, charts, manuals and/or bulletins• read numbers up to four digits• add, subtract, multiply and divide, using fractions, decimals and whole numbers, and apply basic computations to complete a task• identify metric and imperial units of measurement• count and make change for money up to \$100• estimate the supplies, materials and equipment required for a task• enhance literacy and numeracy skills through basic computer operations.

BASIC/EMPLOYABILITY COMPETENCIES

General Outcomes	Specific Outcomes
<p>Students will develop work skills related to the completion of general and specific work tasks.</p>	<p><i>Students will:</i></p> <ul style="list-style-type: none"> • follow safety procedures when working with tools, equipment and materials • work safely in school laboratories, shops and classrooms, and at off-campus work sites, with a variety of tools, equipment and materials • use correct measurement and layout procedures in the planning and completion of a task • demonstrate proficiency in the handling of tools, equipment and materials in a variety of activities • use machinery safely and proficiently to accomplish a specific task • demonstrate proper maintenance procedures for tools, equipment and machinery • demonstrate appropriate clean-up and sanitation of the work environment.
<p>Students will develop organizational skills to enhance their ability to complete work tasks.</p>	<p><i>Students will:</i></p> <ul style="list-style-type: none"> • plan and prepare effectively to ensure the completion of tasks or activities • demonstrate critical thinking before making decisions • demonstrate creative thinking to complete a task • make decisions regarding selected aspects of a project or task • solve problems associated with the completion of a task • demonstrate the ability to design and draw plans for a project • make accurate estimations and calculations as necessary for the completion of tasks.
<p>Students will demonstrate workplace performance by using knowledge to apply work and organizational skills.</p>	<p><i>Students will:</i></p> <ul style="list-style-type: none"> • follow instructions to complete all tasks • clarify task requirements to ensure completion • demonstrate attention to detail to accurately complete tasks • work independently and as members of a team • use initiative wisely when completing tasks and working with others • meet the standards set for task completion • demonstrate dependability by arriving on time and completing tasks on schedule • minimize waste when using various materials to complete a task • demonstrate a willingness to learn.
<p>Students will develop positive workplace attitudes to enhance their knowledge and skills.</p>	<p><i>Students will:</i></p> <ul style="list-style-type: none"> • demonstrate safety consciousness in the work environment • demonstrate self-discipline • demonstrate integrity while working with others • demonstrate adaptability while working on a task • demonstrate perseverance to ensure task completion • demonstrate cooperation, selflessness and concern for others while working as members of a team

General Outcomes	Specific Outcomes
	<ul style="list-style-type: none">• demonstrate responsibility by meeting deadlines and completing tasks• demonstrate enthusiasm and a willingness to try when attempting a task• demonstrate their commitment to improvement by accepting advice and constructive criticism• demonstrate a regard for the environment by following proper procedures for the clean-up and disposal of materials.

OCCUPATIONAL COMPETENCIES

General Outcomes	Specific Outcomes	
	Level 1	Level 2
<p>Students will understand the employability characteristics of a successful worker.</p>	<p>Career Awareness</p> <p><i>Students will:</i></p> <ul style="list-style-type: none"> • identify various occupations in the fabrics industry • identify the personal knowledge, skills and attitudes required in fabrics occupations. 	<p><i>Students will:</i></p> <ul style="list-style-type: none"> • identify related job opportunities in the community • investigate careers in sewing occupations; e.g., <ul style="list-style-type: none"> – types of jobs – job locations – training required – salary expectations • identify a range of related courses available in senior high school • select an occupational focus to explore in senior high school • document their interests, aspirations and appropriate career choices in their career portfolios.
<p>Students will relate academic skills to occupational requirements.</p>	<p>Applied Academic Skills</p> <p><i>Students will:</i></p> <ul style="list-style-type: none"> • demonstrate competence in the use of mathematical applications related to employment; e.g., measurements • list, define and use sewing terms • demonstrate an ability to read, comprehend and use written materials; e.g., graphs, charts and displays. 	<p><i>Students will:</i></p> <ul style="list-style-type: none"> • take the basic measurements required for a selected project • calculate the pattern size and quantity of material as required.
<p>Students will understand the function and safe application of tools, equipment and materials.</p>	<p>Safety</p> <p><i>Students will:</i></p> <ul style="list-style-type: none"> • identify safe practices in the work environment • identify and demonstrate safe practices with hand-sewing tools; e.g., sewing needles, cutting tools. 	<p><i>Students will:</i></p> <ul style="list-style-type: none"> • demonstrate the safe handling and operation of sewing equipment; e.g., sewing machine, pressing equipment • demonstrate awareness of the safety procedures to follow when using equipment in the work environment • promote safe use practices and safety awareness to others.

General Outcomes	Specific Outcomes	
	Level 1	Level 2
<p>Students will understand concepts and skills.</p>	<p>Knowledge (Concepts and Skills)</p> <p><i>Students will:</i></p> <ul style="list-style-type: none"> • identify hand-sewing tools and techniques; e.g., stitches, buttons, needles • identify different types of fabric; e.g., cotton, wool, polyester • identify the purposes and procedures for ironing and pressing • identify and explain the functions of the main parts of a sewing machine • identify the correct selection of sewing-machine and hand-sewing needles. 	<p><i>Students will:</i></p> <ul style="list-style-type: none"> • identify patterns and their uses • describe information found on pattern envelopes and pattern instruction sheets • describe how to choose the pattern layout according to view, pattern size, fabric width and nap • identify a variety of fabrics, their characteristics and their uses; e.g., strength, stretch, wearability, weight • describe the factors that determine the suitability of a fabric for a specific pattern • recognize that the fabric determines the placement of a pattern • describe the factors that determine the suitability of fabrics for specific functions • describe how to straighten fabric grain.
<p>Students will apply concepts and skills in practical situations.</p>	<p>Workplace Performance</p> <p><i>Students will:</i></p> <ul style="list-style-type: none"> • demonstrate safety consciousness when working with sewing tools and machinery • demonstrate basic hand-sewing techniques; e.g., threading needles, hemming, attaching buttons • demonstrate attention to detail and follow instructions to accurately complete sewing tasks • demonstrate correct ironing and/or pressing techniques • demonstrate the basic use of a sewing machine to join fabrics together 	<p><i>Students will:</i></p> <ul style="list-style-type: none"> • demonstrate an understanding of patterns and their uses • demonstrate proper material preparation, measurement and cutting techniques • make correct settings and adjustments on machines • use terms to identify and describe information found on a pattern sheet • alter simple patterns, as required, and pin and cut accurately • demonstrate the ability to meet standards for sewing tasks • demonstrate adaptability and perseverance when working with fabrics

General Outcomes	Specific Outcomes	
	<p style="text-align: center;">Level 1</p> <ul style="list-style-type: none"> • demonstrate cooperation when working with a group or sharing tools and materials • apply appropriate strategies to transfer pattern markings to fabric • alter simple patterns, as required, and pin and cut accurately • apply techniques for managing fabric ends; e.g., straightening, folding. 	<p style="text-align: center;">Level 2</p> <ul style="list-style-type: none"> • demonstrate appropriate problem-solving skills, attitudes and communication skills when working individually and as members of a team • demonstrate basic competencies by assembling simple sewing projects; e.g., lunch bag, tote bag, pillow/cushion, hair accessories, tool caddy, windsock, hat, vest • demonstrate appropriate pressing and ironing techniques, as required • develop a plan of action to create a basic sewing project • assess their sewing project and process and their personal performance.

