

Forests of Fun Content Standards

“Follow the Path” Forestry Youth Activity Guide Grades 3-5

Project Area Skill (PAS) refers to the subject matter based skill which youth demonstrate in relation to the correlating content standard.

Objectives:

Career Readiness-

- 1. Students will identify their career interests and aptitudes to develop an educational plan which supports personal career goals.**

Benchmarks: K-4: A,B,C; 5-8: A,C,D

Project Area Skill: The youth will participate in activities that will enhance their knowledge of the skills needed to enter the forestry profession. They will participate in an activity which demonstrates different fields of forestry, and the interests the professional has in such a position. The youth are encouraged to interact with forestry professionals and interview them to learn the post secondary requirements needed to get into the forestry business.

- 2. Students will utilize and manage resources effectively to produce quality services and products.**

Benchmarks: K-4: B, C; 5-8: A, B

Project Area Skill: The youth will gather and examine parts of trees as individuals and in a group. They will fill out youth guide worksheets and upon completion gain a certificate of completion.

- 3. Students will develop and demonstrate responsible and ethical workplace behaviors.**

Benchmarks: K-4: B, C; 5-8: A, B

Project Area Skill: The youth will gain valuable workplace skills while interacting with other youth and adults to accomplish certain activities. They are responsible for filling out worksheet pages illustrating their gained knowledge that will lead to completion of the forestry workbook.

5. Students will develop effective leadership, interpersonal, and team skills.

Benchmarks: K-4: B,C; 5-8: C

Project Area Skills: The youth will work as a team to fulfill certain activities in their forestry workbook. They will share ideas and cooperate among other team members who have different backgrounds.

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Objectives:

Math-

- 1. Geometry: Students will understand geometric concepts and applications.**

Benchmark: K-4: B,D; 5-8: B

Project Area Skill: The youth will participate in making their own map after observing a survey map of an area they are familiar with. They will understand how the perpendicular and parallel lines help to identify distance.

- 2. Measurement: Students will understand measurement systems and applications.**

Benchmark: K-4: A, B; 5-8: A,B

Project Area Skill: The youth will use appropriate ratios to understand the relationship between a topographic map and the area around them. They will learn how to use symbols and distance ratios to create a map of their own neighborhood.

- 3. Data Analysis and Probability: Students will understand how to formulate questions, analyze data, and determine probabilities.**

Benchmarks: K-4: A,B

Project Area Skill: The youth will analyze maps, tree rings and branch and root structures, and determine the probabilities of their specific growth due to weather and climate, and geographic area. They determine the probabilities of the shapes through questions in their workbook and discussion with their leaders and fellow youth.

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Objective:

Language Arts-

- 1. Reading and listening for comprehension: Students will apply strategies and skills to comprehend information that is read, heard, and viewed.**

Benchmarks: K-4: A,C 5-8: A,C

Project Area Skills: The youth will apply vocabulary learned in their activities to answer questions in their forestry book. They will discuss the information learned in the activity with their leaders and peers. They also have a “Branching out” option to further explore and apply their knowledge of forestry.

- 2. Writing and speaking for expression: Students will communicate effectively through speaking and writing.**

Benchmarks: K-4: A,B,C; 5-8: A,B,C

Project Area Skills: The youth will complete activity questions in their forestry project books using “Tree Talk” or vocabulary learned for the specific activity. They will discuss their learning with peers and leaders. In some instances the youth will be expected to write essays explaining their observations.

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Objective:

Physical Education-

- 5. Demonstrates responsible personal and social behavior in physical activity settings.**

Benchmarks: K-4: A,B,C; 5-8: B,C,D

Project Area Skill: The youth will display responsible social behavior by working both independently and in a group to accomplish activity goals.

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Objective:

Social Studies-

- 2. Geography: Students understand how physical, natural , and cultural processes influence where people live, the ways in which people live, and how societies interact with one another and their environments.**

Benchmarks: K-4: A,B,C,F; 5-8: A,B,F

Project Area Skills: The youth will evaluate different characteristics of the landscape of their community by observing topographic maps, identifying the symbols used and apply the knowledge into making their own map of their community. They will also observe how much of their community is made up of forest and open spaces. Furthermore, they will understand how different regions generate different weather patterns and how plants must have certain characteristics in different regions in order to survive. Finally, the youth will identify the forestry products they have in their own home and how the use of those products impacts them and their community on a day to day basis.

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Objective:

Science-

Strand: Scientific Thinking and Practice

Standard I: Understand the processes of scientific investigations and scientific ways of observing, experimenting, predicting, and validating to think critically.

K-4 Benchmark: II

5-8 Benchmark: II

Project Area Skill: The youth will participate in activities that will continuously require scientific observation and thinking. They will evaluate their projects by answering in depth questions in their forestry book.

Strand II: Content of Science

Standard II: Life Science: Understand the properties, structures, and processes of living things and the interdependence of living things and their environments.

K-4 Benchmark: I,II

5-8: Benchmark: I,II

Project Area Skills: The youth will learn about the diverse organisms that interact in a forest setting. They will learn how trees have changed over time to adapt to their climates. They will observe animals and how they depend on trees for survival.