Leadership and the Gifted

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A current examination of the status of society brings visions of international discord, AIDS, violence, drug abuse, and interpersonal conflicts of all types. Although the growth of pluralism, ethnicity, and cultural pride has been positive for society, various forms of oppression and suppression still exist. The interdependence of all human systems is inevitable. The challenge of more effective human interaction and more creative problem solving is salient. The need for more dynamic leadership is critical to the success and advancement of our human existence.

Although the expression "a lack of leadership" points to this crisis of leadership, the concept of leadership remains misunderstood. Further, the most effective process for developing good leaders is still debated by educators, business persons, and other interested members of society.

If we as a society wish to be more proactive in our efforts to address the issues and dilemmas of today, a more hyperopic view must be taken. The long-range goals of the cause must be served. More serious consideration must be given to leadership development, and more purposeful endeavors must be created to cultivate bright, young leaders.

Leadership remains one of the categories of giftedness in the federal and in many state definitions. Nevertheless, the need for more study and action of leadership is imperative. Well designed effectiveness studies of existing programs for leadership development are sorely needed, and more substantive, innovative programs for young gifted leaders should be created and attempted.

DEFINING LEADERSHIP

The body of literature on leadership is replete with definitions ranging from earlier, single-trait definitions to more recent, complex, person-process-situation interactive perspectives. The word leadership continues to denote different things to different people. Defining leadership is complicated further by the difficulty of determining who is a leader and when an act of leadership has occurred. Leadership is often a range of experiences in the life of a person, which suggests the changing nature of the elusive concept.

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Barr and Barr (1989) described a leader in the following way:

A leader sees the vision, communicates its possibilities, believes in its achievement, inspires others to contribute their best, motivates others to want to belong, stretches and pushes people, and demonstrates the confidence of victorious achievement of the vision. (p. 21)

Gardner (1990) defined leadership as

... the process of persuasion or example by which an individual (or leadership team) induces a group to pursue objectives held by the leader or shared by the leader and his or her followers. (p. 1)

Leadership has been defined by Clark and Clark (1994) as

... an activity or set of activities, observable to others, that occurs in a group, organization or institution involving a leader and followers who willingly subscribe to common purposes and work together to achieve them. (p. 19)

Many similarities exist in the definitions of leadership; almost every definition includes the concepts of leaders, followers, and the interaction of the two. The differences in definitions often reflect the writer’s basic philosophical orientation.

THEORIES OF LEADERSHIP

Analysis of the evolution of theories of leadership reveals several distinct phases (Schriesheim, Tolliver, & Behling, 1984). The original trait conception of leadership was based on the assumption that leaders possessed universal characteristics that made them leaders. These characteristics were considered fixed, inborn, and applicable across all situations. The “great man theory” advocated by Galton (1869) represents this idea. Several early researchers (Mumford, 1909; Murphy, 1941; Person, 1928) explained the emergence of great leaders as a result of time, place, and circumstance. Later, Fiedler (1961) emphasized the “leadership effectiveness traits” as qualities needed to perform well as a leader rather than those needed to become one.

Many situational elements now are recognized as influencing the emergence of leadership. Among them are the nature of the task, knowledge of the task, motivation of the followers, availability of human and material resources, the leaders’ attributes, and quality of leader-follower relations (Calder, 1977; Jacobs, 1970; Lord, De Vader, & Alliger, 1986; Rush, Thomas, & Lord, 1977; Vroom & Yetton, 1974). These ideas initiated the connection between traits/attributes and behavior/performance. During this phase, leadership was considered a changeable entity.

The “situational leadership theory” inspired further analysis of the relationship among leader behaviors, followers’ satisfaction and performance, and the situation of the leadership experiences (Blake & Mouton, 1985; Hersey & Blanchard, 1982). The work of Stogdill (1974) and Bass (1981) supports the notion that leadership effectiveness is highly dependent on the relationship between leader characteristics and the demands of specific situations.

The past decade has seen an interest in “transactional and transformational leadership theories” (Bennis & Nanus, 1985; Hollander & Offerman, 1990; Yammarino & Bass, 1990). The basic difference in these two models is in the process by which the leader is thought to motivate followers. Transactional leaders motivate through contingency rewards and negative feedback. For example, a transactional leader may evoke an increase in productivity by offering a merit pay plan. In contrast, transformational leaders inspire performance beyond ordinary expectations as they create a sense of mission and encourage new ways of thinking.

CURRENT RESEARCH

A current examination of research in the area of leadership shows that the majority of work relates to adult leaders. Studies focusing on leadership and youth are increasing, which may indicate society’s recognition of the need to direct more attention to early development of leadership potential.
Studies of Gender Differences

The studies pertaining to leadership and gender in youth reveal a variety of differences. Using the High School Personality Questionnaire (HSPQ), the personality characteristics of student leaders with above-average to superior levels of intelligence in grades 6 through 11 were studied. Significant differences were found to favor girls on emotional stability, dominance, and the secondary factor of independence (Karnes & D’Ililio, 1989b).

Sex-role stereotyping of leadership roles has been investigated with student leaders in grades 6 through 11 and elementary-level intellectually gifted youth. The girls in both groups perceived most of the leadership roles to be suitable for either gender, whereas the boys held more traditional stereotypical views (Karnes & D’Ililio, 1989a, 1990).

The perceptions of leadership held by student leaders and females also have been investigated. Karnes and McGinnis (1995) replicated and expanded a study conducted by Meriweather and Karnes (1989) and found that the views held by both groups were positive. In investigating the perceptions of leadership held by secondary-level, female student leaders, it was found that they did not think that popularity is a prerequisite for leadership, that men make better leaders, that leaders must make good grades, that leaders must be wealthy, or that leaders must come from large urban areas (Karnes, Bean, & McGinnis, 1994/95).

Relationship Between Leadership and Giftedness

Many parallels exist between the characteristics used to define an effective leader and the characteristics used to describe a gifted individual. Effective leaders and gifted students are highly verbal, socially sensitive, visionary, problem solvers, critical thinkers, creative, initiators, responsible, and flexible. Although the need for more effective leaders is clear, and gifted students typically possess the characteristics to become effective leaders, the development of leadership skills in gifted youth is often neglected.

Much of the research on leadership and giftedness suggests a positive relationship between the two concepts. Terman’s (1925) classic study of the gifted revealed that gifted students were often the leaders in school. Hollingworth’s (1926) research indicated that, among a group of children with average intelligence, the IQ of leaders was likely to fall between 115 and 130. Schakel (1984) indicated that, in comparison with nongifted students, gifted students could be characterized as visionary leaders, whereas nongifted students seemed to be organizational leaders.

Using the HSPQ with students attending a self-contained high school for the intellectually gifted, Karnes, Chauvin, and Trant (1984) found that the HSPQ failed to discriminate between individuals who held an “elected” leadership position and those who did not. Elected leaders, however, tended to be more tender-minded (sensitive, overprotected, intuitive, tense, driven, group-dependent, and conscientious) than the nonelected group. In addition, females scored significantly higher than males on excitability, and males scored significantly higher than females on sensitivity (Karnes, Chauvin, & Trant, 1984).

Psychological Type

Recent studies have shown that psychological type can be a good predictor of leadership style and behavior (Barr & Barr, 1989; Campbell & Velsor, 1985; Lawrence, 1982; McCaulley et al., 1990; Myers & Myers, 1980). Alvino (1989) reviewed data collected using the Myers-Briggs Type Indicator with gifted students and young adults. His analysis revealed that high school student leaders who were not necessarily designated as gifted fell predominantly into a group that could be described as analytical managers of facts and details, practical organizers, imaginative harmonizers of people, and warmly enthusiastic planners of change. Leaders in student government activities fell predominantly into a group that could be described as independent, enthusiastic, intuitive, aggressive, and innovative.

A study conducted by Meriweather (1989), involving 176 intellectually gifted students in grades 6–8, examined the relationship between leadership potential and the variables of birth order, elected leadership position(s), gender, grade level, participation in extracurricular activities, the dimensions of psychological type, and a teacher rating of leadership characteristics. A significant relationship was found between the combined group of variables and the leadership potential of the gifted students in this study. Each of the variables of the extroversion/introversion, the thinking/feeling, and the judging/perceiving dimensions of psychological type was found to have the independent power to discriminate significantly between students with high and non-high leadership potential, whereas the other variables did not discriminate between these two groups.

Leadership Education and Training

Other studies have focused on various dimensions of the study of leadership development in gifted youth. Feldhusen and Kennedy (1988) concluded that leadership skills and theory should be explicit goals in the education of gifted youth and that part of a leadership education program should explore the interaction of leadership talent with changes emerging in society, thinking skills, and the study of the major concepts, trends, and issues of the world. Research by Lindsay (1988) indicated a need to connect leadership education and moral education and to provide leadership experiences that are morally educative. A study conducted by Myers, Slavin, and Southern (1990) examined the relationship between lead-
 ership styles of secondary gifted students and various tasks demands. The results of the project revealed a need to place less emphasis on the leader and more emphasis on the task.

Smith, Smith, and Barnette (1991) described the impact of a leadership training program for gifted adolescent students. As a result of the program, changes were demonstrated in the students’ willingness to respond to group members, ability to influence others, verbal assertiveness, decision making, self-assuredness, and several other group dynamic skills.

Ramey’s (1991) work on gifted leadership noted that many gifted leaders find that their advanced perception, skill, and insight isolate them from their followers and others in their lives. He further stated that gifted leaders who are able to realize their own human potential fully are those who are successful at integrating many dimensions of life, including personal integrity, community investment, and vocational integrity.

**Rural and Suburban Comparison**

Abel and Karnes (1993) compared rural and suburban gifted high school students to determine differences in self-perceived leadership potential as indicated on the Leadership Strengths Indicator. No significant differences were found, but leadership training was recommended for both groups.

Unique parallels also exist between the definitions of giftedness and leadership. Definitions in both areas are expanding, becoming more inclusive, and considering cultural and situational factors. The identification and assessment procedures for both giftedness and leadership have developed to reflect the complexity and multidimensionality of the concepts.

**Leadership, Intelligence, and Social Behaviors**

Leadership also has been studied with student leaders having above-average to superior intelligence. The correlations of leadership skills and self-actualization, using the Leadership Skills Inventory (LSI) (Karnes & Chauvin, 1985a) and the Reflections of Self by Youth (ROSY) (Schatz, 1981) with student leaders in grades 6 through 11, were found to be significant (Karnes, Deason, & D’Illio, 1993).

Student leaders in grades 6 through 11 and their parents’ perceptions of their children’s social skills were studied using the Social Preference Survey Schedule. Student leaders perceived themselves as exhibiting more positive social behaviors than did their parents. Mothers perceived their children as more socially skillful than did their fathers (D’Illio & Karnes, 1992).

Using the Leadership Strengths Indicator (Ellis, 1990) with disadvantaged youth ages 10 to 15, Riley and Karnes (1994a) found that the students’ scores fell within the normal range. A significant difference favoring boys was found in the scale “High Level Participator in Group Activities.” Slight non-significant differences were found between the scales “Enjoys Group Activities,” “Journalistic,” and “Courageous.”

The same measure was administered to intellectually gifted students in grades 4 through 6, and significant differences were found favoring girls on two scales, “Sympathetic” and “Conscientious,” and the total score (Riley & Karnes, 1994b). Intellectually gifted students in grades 6 though 12 in suburban and rural settings also were administered the same instruments, and no significant differences were found (Abel & Karnes, 1993).

**Extracurricular Activities**

Several studies indicated that participation in extracurricular/community activities provides unique opportunities for students to belong and contribute to a group, as well as to experience success (Bass, 1981; Bennett, 1986; McNamara et al., 1985; Stogdill, 1974). These studies suggest that extracurricular activities may be more highly correlated with adult leadership than is academic achievement.

**CHARACTERISTICS AND IDENTIFICATION**

Of all of the dimensions of giftedness set forth in the various state and federal definitions, leadership is the most neglected area. Although teachers, administrators, parents, and other concerned adults interested in gifted education perceive bright youth as being the future leaders at local, state, national, and international levels, little has been or is being done to screen, identify, and instruct these youth appropriately for true positions of leadership. Foster and Silverman (1988) stated that schools must go beyond educating the gifted for fellowship and must become involved in understanding the fundamentals of leadership and incorporating it into the school curriculum. Lindsay (1988) said that leadership is the most controversial and neglected area in gifted education. Florey and Dorf (1986) stated that few gifted programs incorporate leadership into the curriculum for the gifted.

The characteristics of the gifted make them excellent candidates as leaders. These include the desire to be challenged, creative problem-solving ability, critical reasoning skills, persistence, initiative, sensitivity, self-sufficiency, the ability to see new relationships, and enthusiasm (Black, 1984; Chauvin & Karnes, 1983; Plowman, 1981).

Identifying students for leadership training is a complex task. Various methods of screening and identification have been offered. Conradie (1984) urged that leadership potential be identified early and that it also be continuous. He stated that, as children develop, social changes and leadership ability may emerge. Three methods of identification were offered by Olivo (1977):

1. Parents (good indicators of leadership potential in young children)
2. Sociometric devices (for early adolescents)

Friedman, Friedman, and Van Dyke (1984) found self-nomination to be the single most effective method of identifying
leadership potential in students; however, they supported the use of multiple sources of information as necessary for identifying gifted adolescents with leadership ability. Sisk (1984) and Addison (1985) also reported various methods as being useful. Collectively, their suggestions provide a comprehensive listing of nominations and ratings by peers, teachers, self, and community group members; observations of group activities; interviews; personality tests; biographical information on past leadership experiences; and leadership-style instruments.

LEADERSHIP INSTRUMENTS

Karnes and Meriweather-Bean (1991) characterized the status of screening and identification instruments in leadership for elementary and secondary youth as limited and in its infancy. The same seems to be true several years later. Measurements with standardization data based on validity and reliability are limited in number:

- Leadership Characteristics (Part IV) of the Scales for Rating Behavioral Characteristics of Superior Students (SRBCSS) (Renzulli et al., 1976)
- Rating Scale for Leadership (Roets, 1986b)
- High School Personality Questionnaire (Cattell, Cattell, & Johns, 1984)
- Myers-Briggs Type Indicator (Myers & McCaulley, 1985)
- Murphy-Geisgeier Type Indicator for Children (Meisgeier & Murphy, 1987)
- Gifted Education Scale (McCarney, 1987)
- Student Talent and Risk Profile (Institute for Behavioral Research in Creativity, 1990)
- Khatena-Morse Multitalent Perception Inventory (Khatena & Morse, 1994)
- Leadership—A Skill and Behavior Scale (Sisk & Rosselli)
- Eby Gifted Behavior Index (Eby, 1989)

All the instruments vary in several aspects including grades and/or ages, number of items specific to leadership, response modes, scoring procedures, interpretation, and scores rendered.

Two additional standardized measures are commercially available: the Leadership Skills Inventory (Karnes & Chauvin, 1985a) and the Leadership Strengths Indicator (Ellis, 1990). They have been designed for purposes other than screening and identification. The former was developed to be a diagnostic/prescriptive measure for instruction in leadership, and the latter was designed to serve as a basis for discussion on the topics of leaders and leadership by counselors and teachers.

Scales for Rating Behavioral Characteristics of Superior Students

The Scales for Rating Behavioral Characteristics of Superior Students (SRBCSS) (Renzulli et al., 1976) were designed to assist teachers in their nominations of students for specialized programs for the gifted and talented. The original scales consisted of four rating areas or components: learning, motivation, creativity, and leadership. A criterion of the scales accepted early in the development process was that, for a specific observable characteristic to be included in the instrument, at least three separate studies in the literature had to have specified the importance of that characteristic. A variety of school districts offering programs for gifted and talented youth were involved in the first experimental edition. Many suggestions of counselors, teachers, and other school personnel were incorporated.

Validity and reliability studies were undertaken on all four scales. Part IV, Leadership Characteristics, was validated by comparing teachers’ and peers’ ratings through sociometric techniques (Hartman, 1969). The correlations were high for teachers and fourth, fifth, and sixth grade students’ ratings (Renzulli et al., 1976). By correlating the individual items with the total leadership ratings, the internal consistency of the leadership scale was verified by Renzulli et al.

Further studies included investigation of the factor-analytical structure of the SRBCSS (Burke, Harworth, & Ware, 1982). These studies found that the leadership characteristics assessed many behavioral characteristics that typify leadership but concluded that they were descriptive of the type of leader who conforms and adapts to traditional expectations in a school setting. A study conducted with Mexican-American gifted students indicated that the instrument could be useful as an identification and research instrument for that group of students. Argulewicz, Elliott, and Hall (1982) and Elliott and Argulewicz (1983) strongly supported the use of the SRBCSS as a supplementary measure to be employed with other instruments in the identification of the gifted.

In addition, the reviews of Rust and Argulewicz gave positive support to the use of the SRBCSS. The two reviewers cautioned, in the Ninth Mental Measurement Yearbook (Buros, 1985), that the major drawback of the scales is the unavailability of published norms. The authors of the instrument, based on their assumption that student groups would vary widely, did not establish norms or exact scores for the gifted. The authors currently are revising the SRBCSS.

Rating Scale for Leadership

Roets (1986b) designed a self-rating instrument, the Rating Scale for Leadership, for students in grades 5 through 12 with the approximate ages of 10 through 18. The instrument contains 26 items rated on a 5-point scale. The ratings are as follows: almost always, quite often, sometimes, not very often, and never. The instrument was administered to 1,057 youth living in the continental limits of the United States in both public and private schools. The validity was established by administering to 631 students in the standardization group two other measures of leadership with correlations of $r = .71$. 
and .77, respectively. The Spearman-Brown split-half formula was employed to establish reliability, and correlation for the total sample was r = .85. Further investigation of reliability of the measure with the leadership scale of the SR-BCSS indicated a correlation of r = .55.

**High School Personality Questionnaire**

The Leadership Potential Score (Cattell et al., 1984) can be obtained from the High School Personality Questionnaire (HSPQ) (Cattell et al., 1984). Fourteen bipolar traits of personality are assessed: warmth, intelligence, emotional stability, excitability, dominance, enthusiasm, conformity, boldness, sensitivity, withdrawal, apprehension, self-sufficiency, self-discipline, and tension. The questionnaire, for students ranging in age from 12 to 18, was designed and standardized to be a self-rating instrument. It may be given individually or in groups. The 142-item instrument requires approximately 45 to 60 minutes to administer. Numerous studies attesting to validity and reliability of the instrument with a variety of youth samples are described in the manual (Cattell et al., 1984).

The LPS is predicted from the HSPQ by an equation derived empirically by combining scores on the 14 primary scales using a specific formula (Johns, 1984). The LPS has been employed in several studies with intellectually gifted, creative, and leadership students. The mean scores of the subjects in each study were above those of the norm group (Karnes, Chauvin, & Trant, 1984; Karnes, Chauvin, & Trant, 1985; Karnes & D’Ilio, 1989a).

**Myers-Briggs Type Indicator**

Psychological type information, based on Carl Jung’s theory of observable differences in mental functioning, is provided by the Myers-Briggs Type Indicator (MBTI) (Myers & McCaulley, 1985). People create their “type” through the exercise of their individual preferences. Type theory provides a model for understanding the nature of differences among leaders (McCaulley, et al., 1990).

Each individual has a predisposed preference for one of the bipolar attitudes (Introversion/Introversion, Judging/Perceiving) and functions (Sensing/Intuition, Thinking/Feeling). The MBTI provides an interpretation of type as it relates to how an individual best perceives and processes information and how that individual prefers to interact socially and behaviorally with others. An individual’s psychological type is the combination of the two attitudes and functions the individual prefers; therefore, all eight preferences are combined in all possible ways, with 16 types resulting.

Approximately 45 to 60 minutes are needed to administer the 166-item measure. The instrument was designed and standardized to be a self-rating instrument for adolescents and adults. Internal consistency and reliability estimates for continuous scores and dichotomies on the MBTI were calculated with the Spearman-Brown Formula, and they show consistency over time. Construct validity for the MBTI was calculated using product-moment correlations of MBTI continuous scores with scales of personality, interest, and academic tests. These and other data are reported in the manual (Myers & McCaulley, 1985).

**Murphy-Meisgeier Type Indicator for Children**

Also based on Jung’s theory of psychological type, the Murphy-Meisgeier Type Indicator for Children (MMTIC) was developed by Meisgeier and Murphy, 1987. This 70-item instrument, designed for students in grades 2 through 8 was constructed to measure the same four preference scales as the MBTI. A total of 4,136 students in grades 2 through 8 were included in the standardization process. A phi correlation coefficient was calculated between each item and scale. Chronbach’s Alpha was also calculated for each item. The correlation between every item and its scale was significant at the .0001 level. The internal consistency reliability calculations of the preference scores were estimated using a split-half procedure on the discriminant function scores. Estimates of concurrent and content validity also were established. These and other data are reported in the manual.

**Gifted Education Scale**

Designed for students in grades kindergarten through 12, the Gifted Education Scale contains 48 items covering five areas of giftedness in the 1987 federal definition: intellectual ability, creativity, specific academic aptitude, leadership, and performing and visual arts ability (McCarney, 1987). Constructed for the teacher to rate students on a 5-point scale, the leadership score is derived from 10 of the 48 items. It was nationally standardized on 2,276 students across the United States and can be administered easily in approximately 20 minutes.

**Student Talent and Risk Profile**

The Student Talent and Risk (STAR) Profile (Institute for Behavioral Research in Creativity, 1990) is based on Form U of the Biographical Inventory, which was developed in 1976. The STAR provides seven performance measures: academic performance, creativity, artistic potential, leadership, emotional maturity, educational orientation, and at risk. The student is to respond to each of the 150 items based on the answer that is perceived to be most like himself. The generated computer feedback provides analysis on each student in the seven performance areas and on the group as a whole by percentile scores. Extensive norming data, including validity, reliability, and research studies, are provided in the technical manual.
Khatena-Morse Multitalent Perception Inventory

The Khatena-Morse Multitalent Perception Inventory (KMMPT) provides, for students in grades 4 through 12, a self-rating scale in the areas of artistry, musical ability, creative imagination, initiative, and leadership (Khatena & Morse, 1994). The two forms of the instrument, A and B, contain four and six items in leadership, respectively. The standardization data, including extensive information on validity and reliability, are contained in the technical manual.

Leadership: A Skill and Behavior Scale

Leadership: A Skill and Behavior Scale, developed by Sisk, is a self-rating instrument (Sisk & Rosselli, 1987). It contains the areas of positive self-concept, communication skills, decision-making skills, problem-solving skills, group dynamics skills, organizing, planning skills, implementing skills, and discerning opportunities. The students use the following rating scale: never, seldom, sometimes, often, and always. Validity and reliability data are not provided.

Eby Gifted Behavior Index

The Eby Gifted Behavior Index (Eby, 1989) contains seven checklists, six of which identify the behavioral processes of elementary and secondary school gifted youth in various talent fields: verbal, math/science/problem solving, musical, visual/spatial, social/leadership, and mechanical/technical/inventiveness. The additional checklist was developed to provide criteria for rating original student products. Items on the Social/Leadership Checklist cover perceptiveness, active interaction with the environment, reflectiveness, persistence, independence, goal orientation, originality, productivity, self-evaluation, and the effective communication of ideas.

A five-point Likert-type rating format on the Social/Leadership Checklist is provided for the teacher. The responses are "evidence of the behavior is shown rarely or never in social activities" to "evidence of the behavior is shown consistently in most social activities." Validity and reliability studies on the Social/Leadership Checklist are reported in the manual.

LEADERSHIP INSTRUCTIONAL PROGRAMS AND MATERIALS

Leadership Skills Development Program (Karnes & Chauvin, 1985b) emphasizes the acquisition and application of the necessary leadership concepts and skills based on those identified as necessary to function as an adult leader in society. Major components of the diagnostic/prescriptive program are the Leadership Skills Inventory (LSI), the Leadership Skills Inventory Profile Sheet, the Leadership Skills Inventory Activities Manual, and the Leadership Skills Inventory Administration Manual. Nine subscales constitute the LSI: Fundamentals of Leadership, Written Communication, Speech Communication, Values Clarification, Decision Making, Group Dynamics, Problem Solving, Personal Development, and Planning. Eight samples of students in grades 4 through junior college in seven states were included in the standardization. The processes used to determine content validity and the internal consistency reliability data, using the Spearman-Brown formula (.80-.93) and the Kuder-Richardson formula (.78-.90) for each of the individual samples and for the total sample, are reported in the manual (Karnes & Chauvin, 1985c). Criterion and content validity studies have been conducted (Karnes & D'Ilio, 1988a, 1988b).

Upon entering the program, the students are administered the LSI, a self-rating and self-scoring instrument. After they complete the inventory, the students plot their scores on the Leadership Skills Inventory Profile Sheet, which graphically depicts their strengths and weaknesses in leadership concepts and skills on the nine subscales. The concepts and skills that have been acquired and those in need of strengthening are apparent immediately. This information provides the teacher with the necessary data to assist the student in planning the appropriate instructional activities for every item on the LSI. One or more instructional strategies are provided in the Leadership Skills Inventory Activities Manual (Karnes & Chauvin, 1985b). The teacher does not have to incorporate all the activities in the manual, just those that will provide the improvement necessary to become an effective leader based on the student's self-perceived strengths and weaknesses. Many of the strategies utilize group discussions, simulations, and role-playing activities as primary vehicles for learning, and they are student-centered rather than teacher-directed.

Crucial to the program is to apply the acquired leadership concepts and skills, which is facilitated by developing and implementing a "Plan for Leadership." After completing the instructional component, the students each identify an area in which they may initiate something new or change an already existing area of need or change in their school, community, or religious affiliation. The plan must have two major purposes:

1. To bring about desirable changes in others' behavior
2. To solve a major problem or to effect major improvements.

Within the student's abilities the plan should be realistic, well sequenced, and comprehensive. Components of the plan to be written by the student include the overall goal with accompanying objectives, activities, resources, timelines, and methods for evaluation. Each plan developed is presented in class for peer review. The types of plans prepared by male and female students for the school, community, and religious affiliation, and the numbers of plans developed during each year of the program were described, and
an example of a completed plan was presented by Karnes and Meriweather (1989).

The instrument and the materials form the basis of the Leadership Studies Program, a one-week summer residential experience, which has been validated (Karnes, Meriweather, & D’Ilio, 1987). The statistical analysis of the data collected in the programs indicates pre/post assessment gains to be significant ($p = .01$) (Karnes, Meriweather, & D’Ilio, 1987). Additional support for the program is given by the students and their parents and by leaders from the community and university who have assisted with various aspects.

The program has application for public, private, and parochial schools. After careful analysis of all the program components, including the nine instructional areas necessary for being a leader and the plan for leadership, teachers and administrative decisionmakers and community leaders can readily select the format of the program appropriate for their school and town. It may be an ongoing component of a resource program or pull out enrichment program conducted as a separate class at the junior or senior high school level, or the appropriate components may be included in English, speech, social studies, and other academic courses. Mentorship and internship provisions for growth in leadership skills also should be made readily available to students after they complete the instructional activities.

Another approach to examining leadership in youth is the Leadership Strengths Indicator (Ellis, 1990), a 40-item self-report questionnaire designed to obtain students’ evaluations of their leadership traits and abilities. The indicator yields eight cluster scores and an overall total leadership score. The eight clusters contain two to six items within the following areas: Enjoys Group Activities, Key Individual in Group Activities, High-Level Participant in Group Activities, Journalistic, Sympathetic, Confident, Courageous, Conscientious, and Self-Confident. The rating scale contains the response choices of: excellent, very good, better than most, okay, not so good. The indicator is intended to be a discussion starter for guidance and leadership development classes designed for students ages 8–18, titled Leadership: A Skills Training Program. The four themes with instructional activities are: people of achievement, language of leadership, project planning, and debate and discussion. Suggested readings for young people, both fiction and nonfiction, are provided, as is a listing of readings for adults.

Several books directed to elementary and secondary school youth and teachers have been published. Each contains many instructional activities for leadership training. The goals of the leadership materials presented in the book, Leadership Education: Developing Skills for Youth (Richardson & Feldhusen, 1987), which had been developed previously by Feldhusen, Hynes, and Richardson (1977) with a grant in vocational-technical education, are to develop the student’s social skills of leadership. The 11 chapters include an introduction to leadership, outcomes of leadership education, personal characteristics of effective leaders, skills of a group leader, communica-
tion skills for leaders, leadership skills for group members, developing group goals, planning group activities, committee organization, parliamentary procedure skills, and leadership and special abilities. The evaluation results on use of the materials in the summer leadership program with secondary gifted youth have been positive (Feldhusen & Kennedy, 1986).

A guide developed to help clarify the meaning of leaders and leadership written by Sisk and Shallcross (1986) is Leadership: Making Things Happen. The book is divided into 10 chapters, each dealing with the skills of leadership. They are: What is Leadership?; Self Understanding: Intuitive Powers; Visual Imagery; Communication; Motivation; Creative Problem-Solving Process; Futuristics; Women in Leadership Positions; and Learning Styles. The activities in each chapter may be used in a wide variety of instructional situations within schools.

Sisk and Rosselli (1987) co-authored the book, Leadership: A Special Kind of Giftedness, to assist in understanding the concepts of leadership and in applying current theories to personal lives and teaching. The five parts of the book emphasize the definition of leadership, the theories, a model for planning and developing leadership training activities, a succinct summary of teaching/learning models, and a discussion on issues and trends in leadership. The four elements of the model developed by Sisk are: characteristics of gifted leadership, selected teaching strategies, teaching/learning models, and key concepts. The book has 20 lessons for teachers and instructors.

Outstanding leadership stories of girls are contained in the book, Girls and Young Women Leading the Way (Karnes & Bean, 1993). Twenty biographies of girls from elementary school through college are provided as role-models for leadership. Each story contains personal information, followed by a detailed overview of their leadership accomplishments. Following each are questions to challenge the reader to leadership and a listing of appropriate agencies/organizations from which to receive more information. Quotations from nationally known female leaders provide motivation and inspiration. Suggestions for actions to record in a leadership notebook are given, and an extensive reading list on female leaders for kindergartners to young adults is provided.

A book for young leaders ages 8 through 18 contains guidance and advice about moving into leadership positions in the home, school, and community (Karnes & Bean, 1995). The book, Leadership for Students: A Practical Guide, contains chapters on defining leadership, assessing yourself as a leader, opportunities and training for leadership, influence and encouragement from others, great leaders, and advice to others. The book was designed to be interactive through use of a “leadership action journal,” which provides the opportunity for students to record their thoughts and actions pertaining to leaders and leadership. Stories of young leaders offer examples of peers and how they became leaders. The book also features a listing of resources and addresses on leadership opportunities.

INTEGRATING LEADERSHIP CONCEPTS AND SKILLS

Without more deliberate approaches to youth leadership, input from parents, school personnel, and adult leaders in communities across the nation, only a few students are likely to emerge as leaders, and the world will continue the cry for more effective leaders. The goal of cultivating young leaders is of such critical importance to the individual and to society that it should be made an integral part of school and community programs for youth.

Although schools do provide some opportunities for leadership development through student government, clubs, class officers, and athletics, these experiences are helpful to only a selected few. A more broad-based, expanded curriculum should be considered.

Many approaches could help to prepare young people for leadership roles. Preschool and early elementary-aged students should be encouraged to develop self-understanding, social skills, problem-solving skills, and conflict resolution skills. Teachers may use modeling, creative drama, group discussions, collaborative work, and group play to plant the seeds of early leadership development.

Instructional units on leadership should be taught at each grade level in resource rooms for the gifted. The units could include activities on developing the self as a leader, the study of great leaders and of the concept of leadership and related issues such as ethical dimensions of leadership, theories and styles of leadership, governmental leadership, leadership in the community, leadership and futurism, and so on.

Secondary schools should offer structured courses on leadership for which credit may be granted. Within these courses opportunities should be provided for students to assess their own leadership potential, develop plans for leadership to be implemented in schools, communities, and religious organizations, and to examine issues and areas of interest to which leadership experiences could be applied.

Other options for leadership development may be provided through mentorships and internships. These real-life experiences allow community and business/industry leaders to collaborate with the schools for the common purpose of developing young leaders. Pairing adult leaders with students interested in maximizing their leadership potential has proven to be a positive practice for students and adult leaders alike. Establishing such connections can result in the development of healthier communities, businesses, and industries, as well as produce more effective student and adult leaders.

An alternative approach to specially designed units, courses of study, and mentorships/internships is to incorporate the
thread of leadership across all curricular and extracurricular activities. The goal of this strategy would be to enable each student to realize his or her potential for leadership. The success of this approach is contingent upon the total support and commitment of all educators, the willingness of all involved to explore leadership connections across all disciplines, and the willingness to seek opportunities for leadership development in every dimension of school life.

Outside of school, young people have an array of choices for leadership opportunities. Youth leadership conferences, seminars, and weekend and summer residential programs are offered through colleges and universities, civic organizations, and business and industries across the nation. Interested parents and students should actively pursue all avenues. The responsibility of enhancing individual leadership potential lies within each of us, but it is the charge of all institutions—families, schools and universities, communities, and religious affiliations—to enrich and advance our society through the intentional process of developing young leaders.

FUTURE DIRECTIONS

Although leadership research for adults has been steady over the years, more expansive work is needed. Some researchers suggest the need to consider various levels or stages of leadership (Clark & Clark, 1990). Future research also must address the issues of leadership toward outcomes and leader effectiveness (Clark & Clark, 1994). More attention to the moral/ethical dimensions of leadership is clear (Clark & Clark, 1990). Future research also must address the issues of leadership toward outcomes and leader effectiveness (Clark & Clark, 1990). A more proactive approach to leadership is supported by recognition of the need for more attentional process of developing young leaders. Children Monthly, 10(4), 226-230.

To ensure a cadre of leaders for the next century, leadership programs should be developed and validated for preschool, elementary, and secondary school levels. Research studies should be conducted to determine the effects of variables such as instructional strategies, personality, moral development, intellectual/academic level, family environment, and birth order.

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