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#### **ABSTRACT**

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This study investigated the effects of Teachers Teaching Teachers, a staff development project employing peer coaching methods, on public school educators' attitudes and beliefs. The 6-month project involved 13 teachers, administrators, and other school personnel in the Southeast Dubois County School Corporation (Ferdinand, Indiana). All participants were pretested and posttested on Likert Bipolar Attitude Inventories and Osgood's Semantic Differential Scales designed to measure desirable teacher characteristics. Similar measures were also administered to elementary and secondary students being taught by participating teachers. Results indicated that the mean scores for seven of the nine desired outcomes increased during the project. Significant differences were found for the teachers' perceptions of other persons, attitude toward administrators, and attitude toward differentiated staffing. Two pretest measures were higher than the posttest measures, but these differences were not significant. Significant differences favoring the posttest were found for the elementary and secondary students' perceptions of their teachers' effectiveness. Overall, the results support the effectiveness of Teachers Teaching Teachers as a technique for enhancing positive educator attitudes and beliefs. Included are 22 references and 2 appendices containing summary statistics and measuring instruments used in the study. (MLH)

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# AN EXAMINATION OF TEACHERS TEACHING TEACHERS STAFF DEVELOPMENT MODEL IN SOUTHEAST DUBOIS COUNTY

Prepared for the

Southeast DuBois County School Corporation

Ferdinand, Indiana

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Professional School Services 1315 School of Education Indiana State University Terre Haute, IN 47809

August 8, 1988



### Abstract

This study investigated the impact of Teachers Teaching Teachers, a staff development project including peer coaching methods, on public school educators' attitudes and beliefs.

Thirteen teachers, administrators, and other school personnel took part in the project from November, 1987 to May, 1988. All participants were pretested and posttested on Likert Bipolar Attitude Inventories and Osgood's Semantic Differential Scales designed to measure desirable teacher characteristics. Pre and post measures were also administered to elementary and secondary students who were being taught by the teachers who participated in the project.

Results indicated that the mean scores for seven of the nine desired outcomes increased during the project. Significant differences were found for the Teachers' perceptions of other persons (p < .01), attitude toward administrators (p < .05) and attitude toward differentiated staffing (p < .01). Two pretest measures were higher than the posttest measures, but these differences were not significant.

Significant differences favoring the posttest were found for the elementary (p < .001) and secondary (p < .02) students perceptions of their teachers effectiveness.

Overall, the results support the effectiveness of Teachers Teaching Teachers as a technique for enhancing positive educator attitudes and beliefs.



Training activities for teachers through a local staff development program have become common practice in school districts (Baden, 1979). The heavy reliance upon teachers to deliver a quality educational program gives staff development or inservice education "both its importance and its urgency" (Harris, 1980, p. 13). As demands for educational reform have increased, new programs have been implemented that require new skills, knowledge and attitudes on the part of the current school staff (Brown & Scribner, 1982; Houston, 1987). These new programs further stress the need for an effective staff development program.

In 1985, Regan concluded that teacher training programs are "overwhelmingly inadequate" (p. 70). Roth (1980) feels that the education prospective teachers receive in a four-year degree program is designed to provide them with the essential but minimal qualifications for entering the profession.

Roth's results were confirmed by Regan who thinks that teachers are at best touched briefly by training and are then set adrift without the basic skills in human relations needed to have the greatest impact on student behavior and personal development, although teachers are the most vital factor in the educational system (Regan, 1985).

Since teachers, a vital factor in education, must base their decisions on knowledge and experience, Howey (1985) feels that a major purpose of inservice education programs is attending to the developing needs of each teacher.

An open, trusting school climate is a concern of many educators.

Teachers are sometimes threatened by the staff development process. It is



the principal's responsibility to make sure all educators understand that the process is not designed to "fix" someone in the group but to fix the school's needs (Hall, 1985). Hall's results were confirmed by Purcell (1987) who concluded that adult learners believe they have control over the learning situation and are free from threat of failure. This concern must be attended to even before the project begins.

Teachers often declare concern about their professional renewal (Brown & Scribner, 1982) and have a need to continually strengthen their professional skills and knowledge (Roth, 1980). Staff development is thought to be a complex but necessary professional responsibility (Bishop, 1977; Center for Educational Research and Innovation, 1978).

One characteristic that makes staff development complex is the need for completeness. Celso and Morris (1985) believe that a staff development program can only be effective when it is a comprehensive, highly structured process of integrated events, rather than a series of disjointed workshops, lectures, or consultations.

By making inservice education programs an essential part of the school operation, the policies of accrediting associations on staff development have been strengthened. Therefore, school systems are encouraged to provide educators with the means, time, opportunity, and material for improving their professional competencies. (Downs, 1977; Dreeban, 1970).

The increasing sophistication of inservice training caused staff development efforts to grow both in success and number. Recognized exemplary programs include some aspect of a time-tested and recently reviewed staff development process, coaching (Cohn, 1987).



With the national movement toward differentiated school staffing, a variety of personnel can provide coaching as part of their contractual responsibilities (Showers, 1985). Yet the most successful coaching programs are done through peer endeavors, minimizing the power and status differentials (Showers, 1985). Supporting this same concept McFaul and Cooper (1983) state that "teachers feel peer feedback is generally more acceptable and accurate than that provided by administrators" (McFaul and Cooper, 1983). In the traditional model, principals, assistant principles, or department heads provided feedback to teachers on their classroom performance. For the most part, these evaluations were not viewed as an accurate indicator of teachers' effectiveness by the teachers themselves (Bishop, 1977; Lortis, 1975).

Cohn (1987) thinks that too often training events' warm and fleeting learning experiences result in little resultant skill building. He thinks follow-up coaching can overcome that malady and substantiates this belief by stating:

Coaching offers specific benefits. Firstly it is an opportunity for teachers to share ideas and strategies, while honing their own observational skills. It results in an on-going refinement of the craft of teaching.

Secondly, coaching develops a shared language, common knowledge base, and similar instructional expectations, hence, making communication and support simpler.

Thirdly, coaching provides a link in a professional developmental cycle of inservice and actual implementation with observation.

It is also worthy to note that Cohn found in a five year study of course evaluations at Westminister College that those students who were coached in their utility in the workplace, experienced the greatest course satisfaction (Cohn, 1987).



On-site inservice is considered a component of a successful staff development program. A recent study of a three-year special written program (Bouley, 1986) indicated that the success was attributed to administrative support, a long term professional commitment, a design that allowed on-site inservice by on-site instructors, and, most importantly, incentive for teacher involvement (Bouley, 1986). "Principals can no longer rule by edict; they must involve the entire staff in setting and accomplishing the school's goals" (Hall, 1986). Without active administrative support a long-term commitment to allow the program to take root, any inservice is doomed (Bouley, 1986).

Involving the complete staff to make training optimally effective, the projects' content should result from a prior needs assessment; specific knowledge, performance and skill outcomes listed as criteria for training mastery; and immediate supervisors monitoring the trainee's performance with appropriate on-the-job feedback or coaching (Cohn, 1986).

Goldsberry and Harvey (1985) stated that a staff development program should directly contribute to teachers' performance of their craft and should also facilitate adult development of teachers as individuals. Teachers who benefit from an inservice activity are more likely to inspire their students with genuine enthusiasm for learning environments (Goldsberry & Harvey, 1985).

Thompson and Cooley (1984) support this idea by stating that a staff development program should focus on the problems of people throughout the organization and should consider the "psychological needs of the staff" (Thompson & Cooley, 1984, p. 4).

Bloom (1987) thinks that attending to teachers' personal needs throughout their careers is imperative if the teaching profession is to attract the most promising teacher candidates.



In 1985, Wood and Seyfarth measured teachers' attitudes toward mainstreaming handicapped children by administering semantic differential instruments over the course of a three-year training period. It was discovered that the longer the teacher was exposed to training, the more positive the attitude as compared to those teachers who have little or no training. It was also found that both affective and cognitive components of teacher training proved to be effective in changing teachers' attitudes. In 1973, Brodfield reported that staff development training produced no apparent changes in attitudes, but evidence was found that changes in teaching behavior and willingness of the teachers to apply what they had learned occurred (as cited in Wood & Seyfarth, 1985).

Some of the previous reported findings were used in the present study. In an attempt to incorporate a system of staff development training that is more realistic to the needs of public school professionals, the Teachers Teaching Teachers project, using the method of peer instruction was introduced to two Indiana public school systems. The expected outcome of the Teachers Teaching Teachers project is the enhancement of educators' attitudes and beliefs about the methods of staff development training, job duties, and themselves, colleagues, and students.

## STATEMENT OF THE PROBLEM

GENERAL PROBLEM: What personal gains are possible through participation in

the Teachers Teaching Teachers Development Model?

SPECIFIC PROBLEM: Do the evaluative results of the Teachers

Teaching Teachers Staff Development training

demonstratively enhance teacher attitudes and



## HYPOTHESES:

- beliefs? The Southeast Dubois County School Corporation?
- Teachers receiving the Teachers Teaching Teachers Staff
   Development training will score higher in acceptance of others than they scored before the training.
- Teachers receiving the Teachers Teaching Teachers Staff
   Development training will score higher in acceptance of self than they scored before the training.
- 3. Teachers receiving the Teachers Teaching Teachers Staff Development training will score higher on the total of (2) and (3) than they scored before the training.
- 4. Teachers receiving the Teachers Teaching Teachers Staff Development training will score higher in attitude toward teaching than they scored before the training.
- 5. Teachers receiving the Teachers Teaching Teachers Staff Development training will score higher in attitude toward peer coaching than they did before the training.
- 6. Teachers receiving the Teachers Teaching Teachers Staff
  Development training will score higher in attitude toward
  administration than they did before the training.
- 7. Teachers receiving the Teachers Teaching Teachers Staff Development training will score higher



- in perception of student attitudes and self concept than they scored before the training.
- 8. Teachers receiving the Teachers Teaching Teachers
  Staff Development training will score higher in
  attitude toward other teachers than they scored
  before the training.
- 9. Teachers receiving the Teachers Teaching Teachers Staff Development training will score higher in attitude toward differentiated staffing than they scored before the training.
- 10. Elementary students will have a higher perception of their teachers who have completed the TTT program.
- 11. Secondary students will have a higher perception of their teachers who have completed the TTT program.

#### **METHOD**

Sample selection. The experimental group consisted of thirteen teachers, administrators and other school personnel from the Southeast DuBois School Corporation, Ferdinand, Indiana. This group comprised the subjects of the Teachers Teaching Teachers Development Model, a project in effect from November, 1987 through May, 1988.

Treatment. Teachers Teaching Teachers is a research-based staff development model in which a cadre of thirteen (13) teachers were chosen for the purpose of:

1. Receiving intensive training in fairly new teaching strategies proven to increase student achievement.



Acquiring the skills necessary to teach other teachers these strategies.

Administrative support for this program was essential. Administrators were asked to maintain an atmosphere conducive to professional growth.

Administrators participated in the training sessions. They agreed to make the necessary accommodations for teacher interaction. It was established that while teachers were acquiring and implementing new skills, they would not be subjected to administrative evaluation.

Cadre selection was based upon demonstrated readiness for change, history of flexibility and adaptability, being able to cope with ambiguity, verbal skills, and willingness to take risks.

It was decided that the program would move gradually, emphasizing initially familiar strategies, before proceeding to more complex ones. Teachers exposed to the techniques were given feedback through peer observation during the learning stages leading to internalization. A one month period was provided between workshop sessions to allow for observation and feedback.

The strategies used for Teachers Teaching Teachers included: TESA,

Taba's Inductive Reasoning Model, Bruner's Concept Attainment Model, Gordon's

Synectics Model, Bruner's Critical Elements of Instruction (Madeline Hunter

Model), and Marzano's Tactics for Thinking Model.

The training sessions also included the following:

- Human development activities designed to build positive interpersonal relationships.
- 2. Presentation of research aimed toward understanding the model.
- 3. Providing information and demonstration manuals for every workshop.



- 4. Discussion of the application wherein teachers would discuss personal outcomes with peers, successes, or tribulations.
- 5. Practicing which often involved role playing.
- Receiving feedback through peer observation in the classroom while attempting to implement the strategy.
- 7. Planning, scheduling observations, and testing the models.

Testing. The Likert Bipolar Attitude Inventory and the Osgood Semantic Differential were used for measurement of attitudes and beliefs. The Likert Scale consists of positive and negative statements with an item point value ranging from one to five. It was used on tests measuring Attitude Toward Teaching, Self Concept, and Acceptance of Others. Osgood's Semantic Differential is comprised of paired antonyms in which respondents reflect their beliefs to seven divisions between the antonyms. Each item has a score ranging from one to seven. The attitudes measured with this device were: Peer Coaching, Administration, Other Teachers, Perception of Student Attitudes and Self Concept, and Differentiated Staffing.

Likert Scales were also constructed to measure students' perception of their teachers' effectiveness for elementary students for secondary students. These measures were administered to random samples of elementary (grades K-4) and secondary (grades 5-12) students.

Analysis. Means scores, standard deviations, t-value, and one-tailed probability were determined by computer for both groups, by scoring and analyzing each test individually.



#### RESULTS

Table 1 indicates the mean and standard deviation for each area tested for both the pretest and the posttest. The table also shows the t-value and one tailed probability for each of the measures. Complete results of the testing and statistical analysis are contained in Appendix A of this report.

Examples of each of the measures is contained in Appendix B of this report.

From Table 1, it can be seen that seven of the nine measures for teachers and both of the measures for students increased during the time between pre and post test measures. Results that were significant at or below the .05 level were:

## **Teachers**

Perception of the Others (p < .01)

Attitude toward Administration (p < .05)

Attitude toward Differentiated Staffing (p < .01)

# Students Perception of Teachers

Elementary Students (grades K-4) (p < .001)

Secondary Students (grades 5-12) (p < .05)

Small decreases between pre and post testing were noted in Attitudes
Toward Other Teachers and Perception of Student Attitude and Conduct.

However, neither of these decreases were found to be significant at the .05 level.



Table 1. Summary Statistics for Teachers Teaching Teachers Project

	Pretest Mean	Posttest Mean	t-test value	Significance
STAFF (N=31)				
Self Concept	151.2	158.3	1.47	.07
Perception of Others	116.7	142.0	2.34	0.01
Total of Self and Others	254.6	262.7	1.37	0.09
Attitude Toward Teaching	102.6	105.6	1.29	0.10
Attitude Toward Peer Coaching	84.1	88.1	0.79	0.22
Attitude Toward Administration	72.2	86.2	1.69	0.05
Perception of Student Attitude and Self Concept	85.7	79.7	-1.37	0.09
Attitude Toward Other Teachers	87.5	80.9	-1.09	0.14
Attitude Toward Differentiated Staffing	59.2	69.8	2.21	0.01
STUDENTS				
Elementary Students (N=23) Perception of Teachers	39.1	43.5	3.30	0.001
Secondary Students (N=49) Perception of Teachers	110.7	122.2	1.95	0.02

## DISCUSSION, CONCLUSIONS AND RECOMMENDATIONS

Teachers demonstrated gains in seven of nine areas in which they were tested. Students at both the elementary (K-4) and secondary (5-12) levels showed significant increases in their perceptions of their teachers' effectiveness.

The program, with modifications in the areas of evaluation and measurement, may provide additional substantial gains in areas not currently assessed.

The available research supports the program's length. In this case, the development model began November, 1987 and ran until May, 1988. Adult behavior patterns are difficult to change. The time period allowed sufficient time for the participants to adapt the newer methods and incorporate them into the classroom setting. Follow-up is extremely important. The program had a means of follow-up which proved to be effective.

Finally, since the teachers participating in the program were not subjected to administrative evaluation during that period, they had the opportunity to feel comfortable with the trial and error approach used in the program which enabled them to try new techniques not in their established teaching.

It should be noted that the posttest had a higher mean score than the pretest in every testing area except Teachers' Perception of Student Attitude and Self Concept and Attitude Toward Other Teachers.

The effectiveness of Teachers Teaching Teachers in enhancing positive educator attitudes and beliefs is demonstrated by the results of this study.



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Appendix A

Summary Statistics for Measures of the Study



# Summary Statistics for Self Concept

THE	13 SC	ORES FO	R GROUI	? 1:		
52	114	167 153	136	157	161	1
32	139	137	164	155	167	
THE	13 SC	ORES FO	R GROUI	? 2:		
	159	165	168	157	152	1
5/	150	160 169	152	146	168	
ITEM				GR		
N			13		13	
MEAN		1	51.23		158.31	
	DARD		15.65		7.44	
DEVI	ATION					
T-VALUE 1.4721						
1-VA	LUE	•	1,	,4/41		
	TAILED ABILIT		Ø	.07 .		
	T-BISE ELATIO	RIAL N	Ø	.2878		

Summary Statistics for

	P	ercen	tion o	f Othe	r Pers	on s
THE	13 SC	ORES F	OR GROU	JP 1:		
22	96 131	115	118	135	107	1
	115	99	114	124	118	
THE	13 SC	RES FO	OR GROU	P 2:		
31	134	128	123	136	137	1
-	118	108	223	225	129	
ITEM	l	GRO	UP 1	GRO	OUP 2	
N			13		13	
MEAN		1	16.69	1	42.00	
	DARD ATION		11.23		37.34	
						_
T-VAI	LUE		2.	3402		
	TAILED BILITY		Ø.	Ø1		
	-Biseri Cation	AL	Ø.	<b>4</b> 31Ø		

# Summary Statistics for

	Total o	f Self	and (	<u>)th</u> ers
THE 13 SCORE	ES FOR GROUP	P 1:		
21Ø 24 71 254	16 250	271	262	2
240 26	i9 271	259	265	
THE 13 SCORE	S FOR GROUP	2:		
251 27 59 277	4 282	263	257	2
248 28	2 247	257	259	
ITEM	GROUP 1	GRO	OUP 2	
N	13		13	
MEAN	254.62	2	262.69	
STANDARD DEVIATION	17.45		12.19	
				_
T-VALUE	1.3	683		
ONE TAILED PROBABILITY	0.0	9:		
POINT-BISERIAL CORRELATION	Ø.2	69ø		

Summ	ary S	t a t i s t	ics f Teach	or Att	itude	toward
		CORES F				
Øl	103	าดา		95		1
	100	104	110	108	110	
THE	13 SC	ORES FO	OR GROU	P 2:		
Ø2	112 97	109 97	114	102	105	1
	104	108	107	102	114	
ITEM		GRO	UP 1	GRO	OUP 2	
N			13		13	
MEAN		1	02.62	1	Ø5 <b>.</b> 62	
	DARD ATION		6.14		5.71	
T-VAI	.UE		1.	2897		
	'AILED BILITY		Ø.	10,		
	-BISER LATION		Ø.2	2546		

. Summary Statistics for Attitude toward Peer Coaching

THE	13 SCC	RES FO	R GROU	P 1:	•	•
~~		90	101	91	84	)
Ø3	86 <b>8</b> 8	66 82	96	68	67	
	13 SC	RES FO	OR GROU	p 2:		
				74	105	]
Ø5	8 <b>4</b> 88	86 86	1Ø5	86	7 <b>4</b>	
		 GR(	 OUP 1	 GF	 ROUP 2	
N	•		13		13	
MEAN	I		84.08		88.08	
	DARD ATION		12.72		12.94	
 T-VA	LUE		 Ø	.7949		
	TAILED BABILIT		Ø	.22		
	T-BISE		Ø	.1602		

Summary Statistics for Attitude toward Admistration

THE	13 SCC	RES FO	R GROU	P 1:		
	70	92	73	85	36	
80	97 95	96 87	15	38	75	
THE	13 SC	RES FO	R GROUI	P 2:		
		91	90	92	105	1
Ø5	90 91	66 66	65	77	68	
ITEM	l	GRO	UP 1	GR	OUP 2	
N			13		13	
MEAN			72.23		86.23	
	STANDARD DEVIATION		26.30		14.11	
T-VA	LUE		1	.6910		
	TAILED ABILITY		Ø	.Ø5 ·		
CORR	T-BISE	RIAL 1		.3263		



Summary Statistics for Teachers' Perception of Student

Attitude and Self-Concept-----

****	T. 4 61-41-C	a H a0-c	-F-1	reepe	
THE	13 SCO	RES FOR	GROUP	1:	
0.0	84	93	65	94	75
90	97	90	89	84	87
THE	13 SCO	RES FOR	RGROUP	2:	
	97	86	91	87	6Ø
74	8Ø 87	8Ø 8Ø	90	48	76
ITEM		GROU	IP 1	GR	OUP 2
N			13		13
MEAN		8	5.69		79.69
	DARD		8.49		13.29
DFA I	ATION				
3 270 0					
	LUE		-1.3		
	railed Ability		Ø.Ø	9	
POIN'	T-BISER	IAL	-0.2	697	

CORRELATION

Summary Statistic for Attitude toward Other Teach rs

THE	13 SC	RES FO	R GROUP	1:	
00			94	90	88
89	98 88	\$5 87	30	96	92
THE	13 SC	RES FO	R GROUP	2:	
75	9Ø	78 { ?	79	96	105
7.5			82	67	55
ITEM		(30€	UP 1	GR	OUP 2
N			13		13
MEAN		8	37.54		80.92
	DARD ATION	]	17.76		12.87
T-VA	LUE		-1.0	8875	
	TAILED ABILITY		Ø.1	4	
	T-BISER ELATION	IAL	-0.2	167	



Summary	Statistics	for	Attitude	toward
	Differentia	ted	Staffing	

THE 13 SCORES FOR GROUP 1:

	56	52	62	66	50
55	73				
	66	67	47	55	55

THE 13 SCORES FOR GROUP 2:

	101	56	64	91	60
86	65	79			
	47	68	60	71	59

ITEM	GROUP 1	GROUP 2
N	13	13
MEAN	59.15	69.77
STANDARD DEVIATION	7.82	15.41

T-VALUE 2.2147 0.01

ONE TAILED PROBABILITY

POINT-BISERIAL 0.4119

CORRELATION



Summary Statistics for Elementary Students' Percep .on of

the Effectiveness of Their Techers

THE	15 SCO	RES FOF	R GROU	P 1:			
	44		41	43	36		
40	35 41	43 32	42	34	41		
36	37						
THE	15 SCO	RES FOR	R GROU	P 2:			
43	46		44	43	<b>39</b>		
41		43 37	42	44	51		
46	47				•		
ITEM		GROU	P 1	GRO	GROUP 2		
N			15		15		
MEAN		3	9.13		43.53		
	DARD		3.78		3.52		
DEVI	ATION						
T-VAI	LUE		3	.2994			
	TAILED ABILITY		Ø	.001			
	r–biser Elation	IAL	Ø	.5291			

# Summary Statistics for Secondary Students' Perception of the Effectiveness of Their Teachers

THE 15	5 SCORES E	OR GROU	P 1:		
11 <i>0</i> 98	3 130 65 110	117	115	100	
123 17 1	120	116	111	106	1
THE 15	SCORES F	OR GROU	P 2:		
13Ø Ø8 1	119 19 120	151	127	145	1
	123		129	106	1
ITEM		 OUP 1	GR	GROUP 2	
N		15		15	
MEAN	]	110.73	]	122.20	
STANDARD DEVIATION		15.29	16.84		
					. <u>-</u>
T-VALUE		1.	9519		
ONE TAIL		0.02.			
POINT-BI	SERIAL ION	<b>0.</b>	3461		

opendix B

Measuring Instruments Used in the Study



DATE

# ACCEPTANCE OF SELF AND OTHERS

This is a study of some of your attitudes. Of course, there is no answer for any statement. The best answer is what you feel is true of alf.

You are to respond to each question on the answer sheet according following scheme:

'nе

1	2	3	4	5
Not at all	Slightly	About half-	Mostly	True of myself
true of my-	true of	way true of	true of	
self	myself	myself	myself	

REMEMBER: the best answer is the one which applies to you.

- I'd like it if I could find someone who would tell me how to solve / personal problems.
- 2. I don't question my worth as a person, even if I think others do.
- I can be comfortable with all varieties of people -- from the high t to the lowest.
- I can become so absorbed in the work I'm doing that it doesn't bot, a me not to have any intimate friends.
- 5. I don't approve of spending time and energy in doing things for ot'r people. I believe in looking to my family and myself more and let ag others shift for themselves.
- 6. When people say nice things about me, I find it difficult to belie they really mean it. I think maybe they're kidding me or just aren't bong sincere.
- 7. If there is any criticism or anyone says anything about me, I just an't take it.
- 8. I don't say much at social affairs because I'm afraid that peopel ' 11 criticize me or laugh if I say the wrong thing.
- 9. I realize that I'm not living very effectively but I just don't be eventhat I've got it in me to use my energies in better ways.
- 10. I don't approve of doing favors for people. If you're too agreeable they'll take advantage of you.
- 11. I look on most of the feelings and impulses I have toward people as being quite natural and acceptable.
- 12. Something inside me just won't let me be satisfied with any job I'm: done-if it turns out well, I get a very smug feeling that this is benea i me,
  I shouldn't be satisfied with this, this isn't a fair test.



• 1	2	3	4	5
Not at all true of my- self	Slightly .true of myself	About half- way true of myself	Mostly true of myself	True of myself

- 13. I feel different from other people. I'd like to have the feeling of security that comes from knowing I'm not too different from others.
- 14. I'm afraid for people that I like to find out what I'm really like, for fear they'd be disappointed in me.
- 15. I am frequently bothered by feelings of inferiority.
- 16. Because of other people, I haven't been able to achieve as much as I should have.
- 17. I am quite shy and self-conscious in social situations.
- 18. In order to get along and be liked, I tend to be what people expectime to be rather than anything else.
- 19. I usually ignore the feelings of others when I'm accomplishing some important end.
- 20. I seem to have a real inner strength in handling things. I'm on a pretty solid foundation and it makes me pretty sure of myself.
- 21. There's no sense in compromising. When people have values I don't like, I just don't care to have much to do with them.
- 22. The person you marry may not be perfect, but I believe in trying to get him (or her) to change along desirable lines.
- 23. I see no objection to stepping on other people's toes a little if it'll help get me what I want in life.
- 24. I fee: self-conscious when I'm with people who have a superior position to mine in business or at school.
- 25. I try to get people to do what I want them to do, one way or another.
- 26. I often tell people what they should do when they're having trouble in making a decision.
- 27. I enjoy myself most when I'm along, away from other people.
- 28. I think I'm neurotic or something.
- 29. I feel neither above nor below the people I meet.
- 30. Sometimes people misunderstand me when I try to keep them from making mistakes that could have an important effect on their lives.
- 31. Very often I don't try to be friendly with people because I think they won't like me. 32



, 1	_	2	3	4	5
(ot at rue of self	-	Slightly true of myself	About half- way true of myself	Mostly true of myself	True of myself

- 32. here a very few times when I compliment people for their talents or obs the 've done.
- 33. Lenjoy sing little favors for people even if I don't know them we'll.
- 34. I feel at I'm a person of worth, on an equal plane with others.
- 35. I can't void feeling guilty about the way I feel toward certain people in my 1:2.
- 36. I prefer to be alone rather than have close friendships with any of the people cound me.
- 37. I'm not fraid of meeting new people. I feel that I'm a worthwhile person and the: 's no reason why they should dislike me.
- 38. I sort ( only half-believe in myself.
- 39. I seldor worry about other people. I'm really pretty self-centered.
- 40. I'm very sensitive. People say things and I have a tendency to think they're criticing me or insulting me in some way and later when I think of it, they may not have meant anything like that at all.
- 41. I think have certain abilities and other people say so too, but I wonder if I'm rot giving them an importance way beyond what they deserve.
- 42. I feel c afident that I can do something about the problems that may arise in the 1 ture.
- 43. I believe that people should get credit for their accomplishments, but I very selom come across work that deserves praise.
- 44. When some ne asks for advice about some personal problem, I'm most likely to say, it's up to you to decide," rather than tell him what he should do.
- 45. I guess put on a show to impress people. I know I'm not the person I pretend a be.
- 46. I feel t at for the most part one has to fight his way through life. That means the people who stand in the way will be hurt.
- 47. I can't alp feeling superior (or inferior) to most of the people I know.
- 48. I do not worry or condemn myself if other people pass judgment against me.
- 49. I don't esitate to urge people to live by the same high set of values which I ave for myself.



1	2	3			5
Not at all true of my- self	Slightly true of myself	About half- way true of myself	Mos: tru: mys:	, if	True of myself

- 50. I can be friendly with people who do thing: which i consider wrong.
- 51. I don't feel very normal, but I want to fee normal
- 52. When I'm in a group I usually don't say muc for fer of saying the wrong thing.
- 53. I have a tendency to sidestep my problems.
- 54. If people are weak and inefficient I'm inclined to ake advantage of them. I believe you must be strong to achieve your goals.
- 55. I'm easily irritated by people who argue with me.
- 56. When I'm dealing with younger persons, I ex ect the to do what I tell them.
- 57. I don't see much point to doing things for there i less they can do you some good later on.
- 58. Even when people do think well of me, I fee sort c guilty because I know I must be fooling them—that if I were real y to be myself, they wouldn't think well of me.
- 59. I feel that I'm on the same level as other people  $\epsilon$  i that helps to establish good relations with them.
- 60. If someone I know is having difficulty in working t ings out for himself, I like to tell him what to do.
- 61. I feel that people are apt to react differe tly to a than they would normally react to other people.
- 62. I live too much by other people's standards.
- 63. When I have to address a group, I get self conscious and have difficulty saying things well.
- 64. If I didn't always have such hard luck I'd ccompl: a much more than I have.



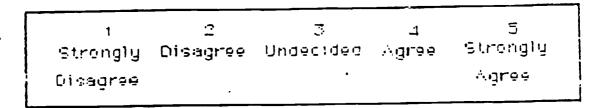


# ATTITUDE TOWARD TEACHING

Name	Date
liame	 

DIRECTIONS: Following is a list of statements that someone might say about teaching. Of course, there is no right answer to any of them. The best answer is what you feel is true about your own belief.

You are to respond to each question on the answer sheet with the following scheme:



- 101. I am "crazy" about teaching.
- 102. The very existence of humanity depends on teaching.
- 103. Teaching is better than anything else.
- 104. I like teaching better than anything I can think of.
- 105. Teaching is profitable to everyone.
- 106. Teaching fascinates me.
- 107. Teaching has an irresistible attraction for me
- 108. Teachers are liked by almost everyone.
- 109. I like teaching too well to ever give it up.
- 110 The merits of teaching as a career far outweight its defects
- 111. Teaching makes for happier living.
- 1!2. Teaching is boring.
- 113. The job of teaching has limitations and defects
- 114. Tlike many jobs better than teaching. 35
- 115. Teaching has several disadvantages.



- 116. Teaching has many undesirable features.
- 117. Teachers are disliked by many people.
- 118. I should not have to make my living by teaching when there are many better jobs.
- 119. Life would be happier without my having to teach.
- 120. Teaching is not endorsed by logical minded persons.
- 121. Teaching as a career would not benefit anyone with common sense.
- 122. Teaching accomplishes little for the individual or for society.
- 123. I hate teaching.
- 124. Teaching is bunk.
- 125. No sane person would be a teacher.
- 126. Nobody really likes to teach.
- 1.27. Words can't express my antagonism toward teaching.
- 128. Teaching is the worst thing I know.
- 129. Teaching is more of a plague than a profession.
- 130. Teaching is just about the worst career there is.



•	FACTORS OF TEACHING	b - 8
İF	DATE	
vi ti tr s	The purpose of this study is to measure the meanings of certain things ous people by having them judge them against a series of descriptive scales no this test, please make your judgments on the basis of what these things now. On each page of this booklet you will find a different concept to be add and beneath it a set of scales. You are to rate the concept on each of es. in order. Here is how you are to use these scales:	mean
<b>t</b> ı	If you feel that the concept at the top of the page is very closely related and of the scale, you should place your check-mark as follows:	<u>ated</u>
	fair <u>X: : : : : : : unfair</u> fair <u>: : : X unfair</u>	
eı,	If you feel that the concept is quite closely related to one or the other of the scale (but not extremely), you should place your check-mark as follows:	er ws:
	strong: X::::weak	
	strong::::_X:weak	
οï	If the concept seems only slightly related to one side as opposed to the er side (but is not really neutral), then you should check as follows:	e
	active::_X:::passive	
	active::_X::_passive	
tı	The direction toward which you check, of course, depends upon which of ends of the scale seem most characteristic of the thing you're judging.	the
s: u:	If you consider the concept to be <u>neutral</u> on the scale, both sides of the <u>equally associated</u> with the concept, or if the scale is <u>completely irrelegated</u> to the concept, then you should place your check-mark in the middle s	Yanc
	safe::_X::_dangerous	
I	ORTANT: (1) Place your check-marks in the middle of the spaces, not on the boundaries:  THIS NOT THIS  : : : X : X	. •
	(2) Be sure you check every scale for every concept - do not omit	<u>any</u> .
	(3) Never put more than one check-mark on a single scale.	

Sometimes you may feel as though you've had the same item before on the t.t. This will not be the case, so do not look back and forth through the items. In not try to remember how you checked similar items earlier in the test. Make the item a separate and independent judgment. Work at fairly high speed through the items. It is your first impressions, immediate "feelings" about the items, that we want. On the other hand, please not be careless, because we want your true impressions.

# COACHING

timely	ــــــ	l			1		untimely
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good	J	l			1		poor
optimistic	J	l	l	l	1		pessimistic
warm	J	l	I	l	<b>.</b>		cold
sharp	J	<b> </b>	l	l	<b> </b>		dull
effective	J			l	<b>.</b> 1		ineffective
clear	J	J	<b> </b>				confusing
valuable	J	J	I	l	J		worthless
essential	J	1		l	1		unimportant
active	J	J	l	l	J		passive
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bright	J	J	l	l	J		dark



# ADMINISTRATION

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clear	 	 l	l	ll		confusing
valuable	 	 	İ	ــــا		worthless
essential	 	 		I		unimportant
active	 	 		ll		passive
kind	 			l	1	cruel
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# STUDENTS' ATTITUDE AND SELF-CONCEPT

timely				J	ــــــــــــــــــــــــــــــــــــــ	ــ لــ	l unti	mely
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# OTHER TEACHERS

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# DIFFERENTIATED STAFFING

(Teachers who possess different proficiencies will do different kinds of jobs and be compensated accordingly.)

timely		 		·	1		untimely
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