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Observational Ratings of Teaching Performance: Dimensionality and Stability

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The study was conducted under the auspices of the Office of Professional Field Experiences, College of Education, Arizona State University.
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INTRODUCTION

The investigation concerns consistency among observers' ratings of teaching performance. Three forms of consistency are at issue: (1) cross-rater agreement—do persons who simultaneously observe teachers and pupils agree with one another? (2) cross-occasion stability—are ratings of the same teacher across occasions similar? (3) dimensional consistency—are different aspects of teaching performance rated similarly? Interrater agreement, stability, and dimensionality, are elements that are integral for analyses of the generalizability for any set of observations (Shavelson and Dempsey-Atwood, 1976; Shavelson and Webb, 1981).

Specifically, the report describes a study of relationships among 16 scales for observing and rating teaching performance. The rating scales comprise the Teacher and Pupil Performance Ratings (TePPR), a new instrument for assessing teaching performance, including aspects of pupil behavior and classroom environment that reflect teaching effectiveness (Nelsen, Ray, Knight, and Brook, note 1). This report presents data concerning interrater agreement among the observers and concerning the stability of ratings on each scale, as the same teachers were rated on two occasions. The report also describes the extent to which the 16 scales intercorrelated with one another, that is, the proportion of variance among the scales that was common, and the factorial structure of the scales.

Background

Two decades ago, in the first Handbook of Research Teaching, Medley & Mitzel (1963) declared that rating approaches had proven "uniformly unsuccessful in yielding measures of teaching skill." A major source of unreliability and invalidity of ratings, the authors noted, was contamination of measures by halo effects, i.e., the influence of raters' general impressions upon their specific judgments across items on the instrument. They further pointed out that halo effects spuriously inflate (a) coefficients of observer agreement, (b) stability coefficients, and (c) internal consistency among items on a scale.
A more tempered appraisal of the utility of observational ratings was presented by Rosenshine & Furst (1973) in the Second Handbook of Research on Teaching. Based upon earlier reviews of studies in which both rating and category systems were used to predict student achievement, (Rosenshine & Furst, 1971; Rosenshine, 1971) they concluded that the most significant results had been obtained using rating scales, although certainly not all rating scales predicted student learning. An advantage of rating scales, they noted, is the possibility for the observer to process many cues before making a decision. A disadvantage, on the other hand, is that specific details about the sequence, context, and forms of teacher behavior are typically not provided by rating methods.

Rating scales, and other measurement procedures that rely upon perceptions and attributions by observers, yield data that are contaminated by observer errors. Such errors include halo effects and other expectancy effects, differential interpretations of key terms, and judgments that vary because different standards of comparison are employed by different raters. (Cooper, 1981; Fiske, 1978). Measures most vulnerable to such observer errors are those in which key terms and instructions are ill-defined and vague. For example, many teacher rating scales elicit judgments about general characteristics, such as warmth, enthusiasm, or sense of humor, while failing to specify the referent behaviors upon which the observer should focus. Also, rating scales often elicit judgments about characteristics without specifying the situational context, temporal boundaries, or other essential facets that might focus the observers' attention upon specific events (Fiske, 1978).

Critics of ratings scales and attributional measures advocate observational procedures which focus upon specific, narrowly defined acts that can be reliably coded (Medley & Mitzel, 1963; Fiske, 1978). The development and use of such procedures, which have been characterized as "low inference" measures (Rosenshine & Furst, 1973), have undoubtedly contributed to the description and analysis of teaching and learning processes (cf. Good & Brophy, 1978). Evidence concerning particular teacher and pupil behaviors that are indicators of instructional effectiveness has been accumulating, but, to date, no set of specific behavioral indices has emerged as sufficiently basic, comprehensive, or consensually accepted that it could serve as an indicator of competency or general teaching performance (Rosenshine & Furst, 1973).

If low inference measures cannot satisfy the need for economical and comprehensive performance appraisals, and if rating procedures continue to be used despite their unreliability, then evaluators should concentrate upon improvement of rating instruments and reduction of observer errors.

A variety of methods has been employed to reduce halo and increase the accuracy of ratings (Cooper, 1981). Cooper's review of these studies suggested that four methods were most promising as means of reducing illusory halo: increasing rater-ratee familiarity, using multiple raters, rating from current exposure, and obtaining ratings of
central, irrelevant categories. Cooper also noted the need for more basic research on how perceptual processes affect rater error.

Meanwhile, the demand for comprehensive indicators of teaching performance and competency continues to grow, as policies and procedures are being developed for certification of competency, tenure decisions, and merit pay. Despite their flaws, rating procedures have continued to serve for these functions and new scales have continued to be developed. For example, the states of Georgia and South Carolina have invested substantial sums of money developing instruments and procedures to certify beginning teachers (Capie, W., Johnson, C. F., Anderson, S. J., Ellet, C. D., & Okey, J. R., note 2; Stulac II, J. F., Gettone, V. G., and others, note 3).

The Teacher Performance Assessment Instruments (TPAI; Capie et al, note 2) and the Assessments of Performance in Teaching (Stulac et al, note 3), were developed to assess minimum proficiency of beginning teachers. These instruments have incorporated improved methods for observing and judging performance. Observer training programs have been established, and the conditions for observing teachers have been structured and standardized. Ratings are obtained on several occasions by at least two raters, so data can be analyzed to determine the extent to which the ratings are generalizable across occasions and raters (Capie, note 4). However, the instruments were designed for a specific purpose, i.e., to elicit discrete judgments concerning the presence or absence of certain minimum proficiencies, rather than to measure a broader range of differences in performance levels. The characteristics to be assessed by the instruments were determined by surveys of teachers' and other professionals' opinions concerning "essential competencies", rather than on the basis of systematic theory or research on characteristics of effective teachers. Furthermore, because of the large number of characteristics encompassed by these instruments, the time and costs for observing each teacher are substantial.

A review of teacher observation instruments reported in Simon & Boyer (1970) and Borich and Madden, (1977) did not yield examples of teacher rating instruments that were satisfactory for brief, but comprehensive observational ratings of teacher performance. That is, there appeared to be no instrument that (a) focused upon aspects of teaching performance and pupil behavior that had been shown by research to be related to teaching effectiveness, (b) specified aspects of performance that represented unsatisfactory, satisfactory, and excellent performance, (c) was sufficiently concise to broadly assess teaching performance in an hour or less, (d) and was, at the same time, sufficiently comprehensive to yield an overall assessment of teaching performance.

The Teacher and Pupil Performance Ratings (TePPR) is a new instrument developed to assess performance of beginning teachers in classrooms. The TePPR was designed to provide a comprehensive but brief appraisal of a teacher's performance in the classroom, including cognitive, affective, and interactional aspects of teaching. The TePPR also assesses aspects of pupil behavior and the classroom environment that presumably relate to instructional effectiveness. Certain of the performance dimensions, i.e., clarity of presentation, pupil engagement,
and range of interaction, were derived from studies of characteristics associated with instructional effectiveness (cf. Rosenshine & Furst, 1973; Good & Brophy, 1978; Morliave, note 5). Other aspects of performance, e.g., physical organization of the classroom and demonstration of personal regard, were included to study their potential validity as performance indicators.

The scales were designed to differentiate between levels of performance, ranging from poor or unsatisfactory to excellent, as well as to discriminate between adequate and inadequate performance. The primary purpose for developing the TePPR was to provide descriptive data to account for on-the-job performance of graduates from teacher education programs at Arizona State University. In its current form, and until predictive validity studies have been completed, it is recommended that the instrument be used only for such descriptive or research purposes, and not as part of an assessment tool for decisions about individual teachers.

As part of the development of the TePPR, data on performance levels of teachers with different levels of experience were gathered as evidence of construct validity. Also, data concerning interrater agreement, stability of ratings, and intercorrelations among the scales were obtained. These data provide basic evidence concerning the reliability or generalizability of the observations. This report presents these data. It also presents analyses of the factorial structure and of the extent of unidimensionality (or halo) that is manifested in the ratings.

Method

Sample

Recent graduates from teacher education programs at Arizona State University (ASU) comprised the target population. The study included beginning elementary and secondary teachers who had been employed in seven public school districts within a proximity of about 20 miles of the campus. The schools in which these teachers taught varied widely with respect to demographic characteristics of students. They included suburban, inner city, and semi-rural communities; and lower and middle income neighborhoods. All recent graduates who were employed as teachers in these districts were asked to allow observers to schedule two visits to their classes. All but three teachers agreed.

The sample included three groups of graduates, each with successively greater levels of professional experience, as follows:

Group A consisted of 14 beginning teachers with only one to two months of professional teaching experience. The grade levels they taught ranged from kindergarten to 11th grade.

Group B consisted of 35 teachers with five to eight months of experience. Their grade levels also ranged from kindergarten to 11th
grade, including some ungraded classes such as home economics, music, and physical education.

Group C included 14 second year teachers who were observed between their 14th and 18th month of teaching. Their grade levels ranged from kindergarten through 6th grade.

Observers

The observers were faculty members and graduate assistants from the College of Education. Their backgrounds were heterogeneous, but all were familiar with public school activities and procedures, and most had teaching experience. Fifteen observers participated in a four-hour orientation and training program prior to the Spring, 1982 studies. Subsequent reliability checks revealed that six of the eight pairs demonstrated agreement greater than .50 (product moment correlations) on at least 13 of the 16 scales. Two rater pairs revealed substantially poorer agreement, and their observations were excluded from the Group B data base.

Four experienced observers provided on-the-job training to four novice observers for the Group C observations. The interrater agreement levels for all the pairs exceeded the criterion of .50 for 13 of the 16 scales.

The Teacher and Pupil Ratings (TePPR) Scales

The TePPR consists of sixteen scales, twelve which describe teacher behaviors or aspects of performance inferred from behavior; one which characterizes the physical aspects of the classroom environment; two which represent pupil behavior; and one which consists of an overall judgment of teaching performances (Nelsen et al., note 1; see appendix for copy of the instrument). The ratings level for each scale range from (1), representing "poor", to (5), representing "excellent"; (3) represents "adequate" performance. Descriptive adjectives define these varying levels for each scale.

The instructions stipulate that observation periods last 45 - 60 minutes, although experienced observers can complete the task in as little as 30 minutes under optimal conditions. Instructions also state that ratings should be based only on current performance during the session, i.e., excluding recollections from previous observations or other persons' reports about the teacher. Observers are also instructed to signify "no basis for judgment" if classroom activities did not provide a sufficient basis to observe behavior and form a judgment on a particular scale.

Thus, the TePPR employed the following procedures to reduce observer error: using multiple raters, rating from current exposure, rater training, and behaviorally specific rating scales. These design features were based primarily upon Fiske's (1978) suggested strategies for personality assessment. They also correspond with the strategies
for reducing halo suggested by Cooper (1981), although development of
the TePPR (Nelsen, et al, note 1) preceded our discovery of the Cooper
article.

Procedures

Each teacher was observed simultaneously by the same pair of
observers on each of two occasions. Each observation session lasted 30
to 60 minutes. The observations were scheduled within three to five
weeks of one another. Principals and teachers were asked to participate
in the project by letter. Visits were scheduled in advance via phone
calls. Confidentiality of the ratings was assured, in that teachers
were told that no one other than project staff could see the ratings.
Teachers themselves were not shown their own ratings.

Raters were instructed to compare their ratings following each
session. Under no circumstances, however, were ratings to be changed on
the basis of these cross-checks.

The three groups were constituted of beginning teachers with
varying levels of experience. Group A, teachers with one to two months
of experience, were observed in Fall, 1982. Group B, with five to eight
months of experience, and Group C, with fourteen to eighteen months of
experience were observed in Spring, 1982. Eight of the 21 teachers in
Group C had been observed previously, one year earlier, by different
observers, employing an earlier version of the instrument.

Results

Interrater Agreement

One basis for evaluating the reliability of the observations is
provided by data on interrater agreement. Intercorrelations between the
ratings based upon simultaneous observation are presented in Table 1,
separately for the first and second occasion. For each scale and each
occasion, a set of three figures is presented, representing the agree-
ment coefficient for each of the three groups with differing experience
levels. For occasion 1, most of the coefficients fell between .5 and
.9. For occasion 2, most fell between .5 and 1.0. The median value for
the two occasions were .68 and .76, respectively.

On 13 of the 16 scales the agreement coefficients were at least .50
or greater for at least five of the six reliability studies (within the
three experience level groups on the two occasions). The reliability
coefficients were slightly below this standard for Scale E, Sensitivity
to Pupil Comprehension; Scale K, Range of Teacher Interaction; and Scale
L, Classroom Management. Two scales revealed agreement coefficients
greater than .70 for all groups on both occasions: Scale F, Adaptation
to Individual Differences, and Scale J, Pupil Self Control and
Responsibility.
Stability of Ratings

A second purpose of the study was to determine the stability of ratings across occasions. Data describing the stability provide another basis for assessing the reliability of the ratings. Correlations between the ratings on the two occasions are included in Table 1, but for ease of comparison, they are also presented separately in Table 2. Most of the stability coefficients were between .5 and .8. Indeed, for each scale, the stability coefficients for at least two of the three experience groups were .5 or greater, with the slight exception of Scale K, for which the coefficients were .71, .48, and .15. The three stability coefficients were quite consistent across the experience level groups for certain scales (A; H; and I). However, they varied considerably for other scales, especially scales B, G, K, and N. This variability would seem to be attributable in large part to sampling error, i.e., as a result of the small size of the samples, especially of Groups A and C. Therefore, it would probably be unwise to infer trends concerning differences in the stability coefficients. Indeed, there did not seem to be any overall tendency for the stability coefficients to be consistently higher or lower for the more versus less experienced teachers.

Dimensionality

Another primary issue in the investigation concerned the dimensionality of the ratings. Data concerning the dimensionality among the scales were provided with factor analyses of the ratings. Data for Group B only were analyzed, since the Ns for groups A and C were too small to yield stable factors. Using the Statistical Programs for Social Sciences (SPSS) principal components analysis program, data were analyzed separately for occasion 1 and 2.

The extent of unidimensionality among the ratings on all scales is reflected in the percent of variance explained by the first principal component. Percentages of variance accounted in the intercorrelation matrices of the first and second occasions were 66.6 and 68.0, respectively.

There is also evidence that an additional basic dimension may be differentiated within the matrices, reflected in the loadings on the second principal component. Employing the criterion of accepting all principal components with eigenvalues greater than 1.0, the first two components were retained for both occasion 1 and 2. Following Kaiser's (1958) varimax procedure, these components were subjected to orthogonal rotation. The results of these analyses are presented in Table 3.

The factors for both occasions are similar. For both occasions, Factor I includes loadings from all scales except Scales J., Pupil Self Control and M., Classroom Control. Although all other scales load on this Factor, among the high loadings that define the factor are: C., Presentation of Subject Matter; E., Sensitivity to Pupil Comprehension; G., Quality of Feedback; K., Range of Teacher Interaction; L., Classroom
Management; and N., Quality of Planning, as well as P., Overall Judgment of Teaching Effectiveness. These scales, as well as the other scales, include aspects of instructional directness including effective planning, and management, interaction with many students, subject matter knowledge, and clarity of presentation.

The second factor, which was similar for both occasions, was most clearly defined by the two scales concerning behavioral control: J., Pupil Self Control; and M., Classroom Control. The loadings of these scales on the factor were greater than .8 on both occasions. This factor also included scales with moderate loadings, i.e., between .40 and .60 on B., Clarity of Assignments and Smoothness of Transitions; H., Demonstration of Personal Regard; I., Pupil engagement; L., Classroom Management; and P., Overall Judgment of Effectiveness.

Discussion

The correlations describing interrater agreement indicate that judges with some knowledge of teaching and minimal training can achieve moderate to high agreement when observing and rating a given classroom session with the TePPR scales.

The interobserver agreement was slightly lower on the first observation session than on the second, i.e., a median of .68 versus .76. The higher agreement for the second occasion may result, at least in part, from the comparisons and communication between the raters that followed the first session. That is, they may have influenced one and/or others' judgments concerning aspects of the teachers' performance, and subsequently remembered these judgments on the second occasion. These communications may have also inflated the stability coefficients, which were also moderate (.5 to .8) for most scales. A design which would eliminate such spurious inflation of the stability coefficients and the second occasion agreement coefficients would be provided by a scheme in which the observations were conducted by different pairs of observers on the two occasions. We recently employed this design in a study in which the teachers were rated on separate occasions by different observers.

The factor analytic results reveal a fairly high degree of unidimensionality among the ratings on the 16 scales. This unidimensionality may emanate from two sources. First, aspects of teaching performance and pupil behaviors that reflect effective instruction presumably are integrated and overlapping. Cooper (1981) refers to such interrelationships as "true halo." Much as the cognitive skills that underlie intellectual adaptation are manifested in an intellectual "g" factor, so do mutually related teaching skills that underlie teaching effectiveness manifest themselves in a "g" factor. Unfortunately, aspects of teaching performance and pupil behaviors that reflect teaching effectiveness may also be confounded in the minds of the observers. Thus, perceptions, inferences, and attribution of skill levels on some, if not all of the scales, may have been contaminated by an underlying evaluative dimension, i.e., which Cooper refers to as
"illusory halo effects" among observer judgments. The influence of these illusory halo effects, as well as true halo, are both reflected in the high common variance or unidimensionality among the scales.

To a large degree, the data preclude discrimination between these two sources of unidimensional variance among the scales. A research strategy to disentangle the true halo from the illusory halo is needed. Presumably, a systematic program of research to identify sources of such attributional errors in perception of teachers should include both coding (low inference) and ratings (high inference measures).
Reference Notes


References


### Table 1

Means, Standard Deviations, Inter-rater Reliability Coefficients, and Stability Coefficients for TEPPR Ratings of Teacher Performance on Two Occasions

<table>
<thead>
<tr>
<th>Group</th>
<th>Occasion 1</th>
<th>Occasion 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N_A</td>
<td>N_B</td>
</tr>
<tr>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| A. Organization of Classroom |     |     |     |     |        |     |     |     |     |        |
| B. Clarity of Assignments: Transitions |     |     |     |     |        |     |     |     |     |        |
| C. Presentation of Subject Matter |     |     |     |     |        |     |     |     |     |        |
| D. Questioning |     |     |     |     |        |     |     |     |     |        |
| E. Sensitivity to Pupil Comprehension |     |     |     |     |        |     |     |     |     |        |
| F. Adaptation to Individual Differences |     |     |     |     |        |     |     |     |     |        |
| G. Quality of Feedback |     |     |     |     |        |     |     |     |     |        |
| H. Demonstration of Regard |     |     |     |     |        |     |     |     |     |        |
| I. Pupil Engagement |     |     |     |     |        |     |     |     |     |        |
| J. Pupil Self Control, Responsibility |     |     |     |     |        |     |     |     |     |        |
| K. Range of Teacher Interaction |     |     |     |     |        |     |     |     |     |        |
| L. Classroom Management |     |     |     |     |        |     |     |     |     |        |
| M. Classroom Control |     |     |     |     |        |     |     |     |     |        |
| N. Quality of Planning |     |     |     |     |        |     |     |     |     |        |
| O. Knowledge of Subject Matter |     |     |     |     |        |     |     |     |     |        |
| P. Overall Teaching Performance |     |     |     |     |        |     |     |     |     |        |

**Group A** - Beginning teachers with one to two months of experience  
**B** - Five to eight months of experience  
**C** - Fourteen to eighteen months of experience

"A" and "B" refer to arbitrary designations of each member of the rater pair.

Correlation between combined ratings of observer A and B on Occasion 1 with combined ratings of A and B on Occasion 2.
Table 2

Stability Coefficients for TePPR Ratings of Teacher Performance on Two Occasions

<table>
<thead>
<tr>
<th>Experience Level</th>
<th>First two months</th>
<th>Second semester</th>
<th>Second year - spring</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>( r_{12}^b )</td>
<td>( r_{12}^b )</td>
<td>( r_{12}^b )</td>
</tr>
<tr>
<td></td>
<td>( N = 11-12 )</td>
<td>( N = 26-35 )</td>
<td>( N = 18-21 )</td>
</tr>
<tr>
<td>A. Organization of Classroom</td>
<td>.60</td>
<td>.61</td>
<td>.63</td>
</tr>
<tr>
<td>B. Clarity of Assignments; Transitions</td>
<td>.15</td>
<td>.53</td>
<td>.61</td>
</tr>
<tr>
<td>C. Presentation of Subject Matter</td>
<td>.73</td>
<td>.73</td>
<td>.39</td>
</tr>
<tr>
<td>D. Questioning</td>
<td>.50</td>
<td>.75</td>
<td>.71</td>
</tr>
<tr>
<td>E. Sensitivity to Pupil Comprehension</td>
<td>.64</td>
<td>.41</td>
<td>.53</td>
</tr>
<tr>
<td>F. Adaptation to Individual Differences</td>
<td>.50</td>
<td>.68</td>
<td>.58</td>
</tr>
<tr>
<td>G. Quality of Feedback</td>
<td>.79</td>
<td>.78</td>
<td>.33</td>
</tr>
<tr>
<td>H. Demonstration of Regard</td>
<td>.62</td>
<td>.73</td>
<td>.67</td>
</tr>
<tr>
<td>I. Pupil Engagement</td>
<td>.67</td>
<td>.63</td>
<td>.60</td>
</tr>
<tr>
<td>J. Pupil Self Control, Responsibility</td>
<td>.75</td>
<td>.39</td>
<td>.77</td>
</tr>
<tr>
<td>K. Range of Teacher Interaction</td>
<td>.71</td>
<td>.48</td>
<td>.15</td>
</tr>
<tr>
<td>L. Classroom Management</td>
<td>.70</td>
<td>.53</td>
<td>.68</td>
</tr>
<tr>
<td>M. Classroom Control</td>
<td>.72</td>
<td>.49</td>
<td>.81</td>
</tr>
<tr>
<td>N. Quality of Planning</td>
<td>.83</td>
<td>.54</td>
<td>.19</td>
</tr>
<tr>
<td>O. Knowledge of Subject Matter</td>
<td>.64</td>
<td>.69</td>
<td>.49</td>
</tr>
<tr>
<td>P. Overall Teaching Performance</td>
<td>.56</td>
<td>.72</td>
<td>.71</td>
</tr>
</tbody>
</table>

\( a \) The two occasions were separated by about two to six weeks.

\( b \) Correlation between combined ratings of observer A and B on Occasion 1 with combined ratings of A and B on Occasion 2.
Table 3

Factor Analysis of Ratings for Two Occasions

<table>
<thead>
<tr>
<th>Scale</th>
<th>Occasion 1</th>
<th></th>
<th>Occasion 2</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Instruction</td>
<td>Control</td>
<td>Instruction</td>
<td>Control</td>
</tr>
<tr>
<td>A.  Physical Organization of Classroom</td>
<td>.77*</td>
<td>.23</td>
<td>.61*</td>
<td>.16</td>
</tr>
<tr>
<td>B.  Clarity of Assignments/Transitions</td>
<td>.55*</td>
<td>.57*</td>
<td>.73*</td>
<td>.52*</td>
</tr>
<tr>
<td>C.  Presentation of Subject Matter</td>
<td>.74*</td>
<td>.44*</td>
<td>.87*</td>
<td>.28</td>
</tr>
<tr>
<td>D.  Effectiveness of Questions</td>
<td>.64*</td>
<td>.62*</td>
<td>.85*</td>
<td>.22</td>
</tr>
<tr>
<td>E.  Sensitivity to Pupil Comprehension</td>
<td>.78*</td>
<td>.24</td>
<td>.76*</td>
<td>.51*</td>
</tr>
<tr>
<td>F.  Adaptation to Individual Differences</td>
<td>.78*</td>
<td>.23</td>
<td>.68*</td>
<td>.47*</td>
</tr>
<tr>
<td>G.  Quality of Feedback</td>
<td>.91*</td>
<td>.22</td>
<td>.73*</td>
<td>.35</td>
</tr>
<tr>
<td>H.  Demonstration of Personal Regard</td>
<td>.70*</td>
<td>.41*</td>
<td>.64*</td>
<td>.45*</td>
</tr>
<tr>
<td>I.  Pupil Engagement in Tasks</td>
<td>.60*</td>
<td>.64*</td>
<td>.60*</td>
<td>.45*</td>
</tr>
<tr>
<td>J.  Pupil Self Control</td>
<td>.07</td>
<td>.98*</td>
<td>.19</td>
<td>.89*</td>
</tr>
<tr>
<td>K.  Range of Teacher Interaction</td>
<td>.75*</td>
<td>.12</td>
<td>.72*</td>
<td>.25</td>
</tr>
<tr>
<td>L.  Classroom Management</td>
<td>.71*</td>
<td>.51*</td>
<td>.73*</td>
<td>.53*</td>
</tr>
<tr>
<td>M.  Classroom Control</td>
<td>.34</td>
<td>.81*</td>
<td>.27</td>
<td>.83*</td>
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<tr>
<td>N.  Quality of Planning</td>
<td>.74*</td>
<td>.40*</td>
<td>.79*</td>
<td>.33</td>
</tr>
<tr>
<td>O.  Knowledge of Subject Matter</td>
<td>.68*</td>
<td>.30</td>
<td>.91*</td>
<td>.19</td>
</tr>
<tr>
<td>P.  Overall Judgment</td>
<td>.80*</td>
<td>.49*</td>
<td>.76*</td>
<td>.57*</td>
</tr>
</tbody>
</table>

*loading = > .40
# TEACHER AND PUPIL PERFORMANCE RATINGS (TePPR)

<table>
<thead>
<tr>
<th>Background</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NAME OF PERSON BEING OBSERVED</strong></td>
<td></td>
</tr>
<tr>
<td><strong>DATE OF OBSERVATION</strong></td>
<td></td>
</tr>
<tr>
<td><strong>TIME BEGUN</strong></td>
<td></td>
</tr>
<tr>
<td><strong>PROGRAM</strong></td>
<td></td>
</tr>
<tr>
<td>Field:</td>
<td></td>
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<tr>
<td>Campus:</td>
<td></td>
</tr>
<tr>
<td>Based:</td>
<td></td>
</tr>
<tr>
<td><strong>SCHOOL</strong></td>
<td></td>
</tr>
<tr>
<td><strong>DEPARTMENT (IN COLLEGE OF EDUCATION)</strong></td>
<td></td>
</tr>
<tr>
<td>Elementary:</td>
<td></td>
</tr>
<tr>
<td>Secondary:</td>
<td></td>
</tr>
<tr>
<td>Special:</td>
<td></td>
</tr>
<tr>
<td><strong>GRADE LEVEL/SUBJECT</strong></td>
<td></td>
</tr>
<tr>
<td><strong>NAME OF OBSERVER</strong></td>
<td></td>
</tr>
<tr>
<td><strong>YEAR OF TEACHING</strong></td>
<td></td>
</tr>
<tr>
<td>First:</td>
<td></td>
</tr>
<tr>
<td>Second:</td>
<td></td>
</tr>
<tr>
<td>Third:</td>
<td></td>
</tr>
</tbody>
</table>

**SETTING** (Describe the classroom setting and circumstances present during observation period)

**PHYSICAL DESIGN OF CLASSROOM (CHECK ONE OR MORE)**
- Self-contained: 
- Open: 
- Team teaching: 
- Resource room: 
- Media center: 
- (OTHER) 

**STAFF PRESENT (SPECIFY IF MORE THAN ONE)**
- Aide(s): 
- Co-teacher(s): 
- Student teacher(s): 
- Others (observers, parents, etc.):

**ORGANIZATION OF INSTRUCTION (CHECK ONE OR MORE)**
- Whole class: 
- One small group/individual seatwork: 
- Small groups: 
- Individualized (OTHER) 

**INSTRUCTIONAL MODE(S) (CHECK ONE OR MORE)**
- Lecture: 
- Question answer: 
- Demonstration: 
- Individual seatwork: 
- Learning centers: 
- (OTHER) 

**SUBJECT MATTER TAUGHT (DURING OBSERVATION PERIOD. ESTIMATE NUMBER OF MINUTES FOR EACH).**

<table>
<thead>
<tr>
<th>MIN. SUBJECT</th>
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<th>MIN. SUBJECT</th>
<th>MIN. SUBJECT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading</td>
<td>Language Arts</td>
<td>Mathematcs</td>
<td>Social Studies</td>
<td>Science</td>
<td></td>
</tr>
</tbody>
</table>

**COMMENTS** (distinctive features of the situation, e.g., minority students, gifted class, handicapped students, unusual case, etc.):

**PERFORMANCE RATINGS**

The instrument is designed to summarize observations and judgments of a teacher's instructional performance and pupils' behavior in a classroom setting. The observation period should span approximately 45 to 60 minutes. The ratings should be based on direct observations of the teacher's and pupils' behaviors during one observation period. Information from previous observations, other persons' reports of the teacher's performance, etc., should not influence the ratings of performance on this occasion. Do not rate performance on a scale if your observation period did not provide you with an opportunity to observe the behavior specified on that scale.

**Basis for judgment.** Lessons, activities, and teacher roles vary from one class period to another. Your opportunity to observe certain types of teacher or pupil behavior will also vary from one class period to another. The "basis for judgment" ratings allow you to indicate whether you had sufficient or insufficient opportunities to observe each type of behavior considered. Check "no basis for judgment" if the lesson did not present any situations in which this form of performance could be observed and evaluated. Check "substantial basis for judgment" if the lesson presented a sufficient number of episodes as a basis for judging performance on this dimension, or if the lesson included situations that prompted or called for observable behavior relevant to this dimension. Indicate "limited" or "moderate" for class periods that provided bases between "no basis" and "substantial."

Developed by: Edward A. Neilson
William J. Ray
Catharine C. Knight
Weston L. Brook

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ERIC
### A. Physical organization of classroom and instructional materials; utilization of space

- **Poorly organized, limited accessibility**
- **Adequately organized**
- **Well organized, facilitative**

**Basis for judgment**
- **No basis**
- **Limited**
- **Substantial**

### STRENGTHS/LIMITATIONS

- 1
- 2
- 3
- 4
- 5

### B. Clarity of assignments and smoothness of transitions to instructional activities

- **Unclear directions, confusion, delays**
- **Clear directions, smooth, efficient transitions, pupils respond to directions and begin assignments promptly**

**Basis for judgment**
- **No basis**
- **Limited**
- **Substantial**

### STRENGTHS/LIMITATIONS

- 1
- 2
- 3
- 4
- 5

### C. Skillfulness in presentation of subject matter

- **Vague, confused, stereotypic, fragmented, oversimplified, boring to pupils**
- **Clear, precise, complete, coherent, logical, interesting to pupils**

**Basis for judgment**
- **No basis**
- **Limited**
- **Substantial**

### STRENGTHS/LIMITATIONS

- 1
- 2
- 3
- 4
- 5

### D. Effectiveness, frequency, and level of questions

- **Vague, narrow, stereotyped, unanswerable, or low cognitive questions**
- **Frequent, clear, varied, answerable stimulating, high cognitive questions**

**Basis for judgment**
- **No basis**
- **Limited**
- **Substantial**

### STRENGTHS/LIMITATIONS

- 1
- 2
- 3
- 4
- 5

### E. Sensitivity to pupil comprehension

- **Insensitive, unresponsive to confusion**
- **Sensitive, aware, responsive to pupil understanding**

**Basis for judgment**
- **No basis**
- **Limited**
- **Substantial**

### STRENGTHS/LIMITATIONS

- 1
- 2
- 3
- 4
- 5

### F. Adaptation to individual ability differences of pupils

- **Instruction too difficult (or easy) for many students or too slow**
- **Highly responsive and sensitive to all ability levels, appropriate pace**

**Basis for judgment**
- **No basis**
- **Limited**
- **Substantial**

### STRENGTHS/LIMITATIONS

- 1
- 2
- 3
- 4
- 5

### G. Quality of feedback

- **Disparaging, vague, or entirely lacking**
- **Informative, prompt, clear, helpful**

**Basis for judgment**
- **No basis**
- **Limited**
- **Substantial**

### STRENGTHS/LIMITATIONS

- 1
- 2
- 3
- 4
- 5

### H. Demonstration of personal regard

- **Negative, indifferent, vague, disparaging**
- **Enthusiastic, positive, encouraging**

**Basis for judgment**
- **No basis**
- **Limited**
- **Substantial**

### STRENGTHS/LIMITATIONS

- 1
- 2
- 3
- 4
- 5
I. Pupil engagement in tasks — responsiveness to tasks, attentiveness, and persistence. (Observe at least three times during the class period).

<table>
<thead>
<tr>
<th>Low student involvement</th>
<th>Moderate involvement</th>
<th>High involvement, more than 75% of pupils engaged and attentive to tasks/activities most of time</th>
</tr>
</thead>
<tbody>
<tr>
<td>less than 25% of pupils engaged or attentive to tasks/activities</td>
<td>about 50% of pupils engaged</td>
<td>most of the time</td>
</tr>
</tbody>
</table>

Basis for judgment:
- No basis
- Limited
- Moderate
- Substantial

Strengths/limitations

II. J. Pupil self control, responsibility for behavior — pupil compliance with classroom procedures and rules on own volition.

<table>
<thead>
<tr>
<th>Pupils act disruptively, require continual monitoring and discipline</th>
<th>Majority of pupils control selves most of time but several do not comply with procedures</th>
<th>Pupils maintain order without direct teacher intervention</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low involvement, less than 25% of pupils engaged or attentive to tasks/activities</td>
<td>Moderate involvement, about 50% of pupils engaged</td>
<td>High involvement, more than 75% of pupils engaged and attentive to tasks/activities most of time</td>
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</tbody>
</table>

Basis for judgment:
- No basis
- Limited
- Moderate
- Substantial

Strengths/limitations

K. Range of teacher interaction — teacher interacts with all pupils, not just a few select individuals or groups, e.g., on basis of ability level or location in the classroom, sex or ethnicity.

<table>
<thead>
<tr>
<th>Consistently ignores or criticizes certain children, narrow action zone</th>
<th>Adequate consideration and distribution of attention</th>
<th>Impartially attentive and responsive to all pupils; action includes entire class or group</th>
</tr>
</thead>
<tbody>
<tr>
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Basis for judgment:
- No basis
- Limited
- Moderate
- Substantial

Strengths/limitations

L. Classroom management — appropriate activities, efficient use of time, organization of activities, alternative tasks available for children who complete tasks.

<table>
<thead>
<tr>
<th>No activities for some children, poor use of time</th>
<th>Adequate activities and use of time</th>
<th>Appropriate activities provided; efficient use of time</th>
</tr>
</thead>
<tbody>
<tr>
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</table>

Basis for judgment:
- No basis
- Limited
- Moderate
- Substantial

Strengths/limitations

M. Classroom control — anticipation and control over potentially disruptive situations and behaviors; consistent enforcement of rules, orderly classroom procedures.

<table>
<thead>
<tr>
<th>Lack of control, chaos prevails, erratic enforcement of rules</th>
<th>Occasional disruptions, but sufficient order to conduct instruction</th>
<th>Appropriate control and order maintained, few problems, minor problems resolved without disrupting class</th>
</tr>
</thead>
<tbody>
<tr>
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Basis for judgment:
- No basis
- Limited
- Moderate
- Substantial

Strengths/limitations

N. Quality of planning for this lesson/activity — inferred from organization, evidence of goals, clarity of objectives, availability of resources.

<table>
<thead>
<tr>
<th>Poorly planned, fragmented activities, lacking objectives</th>
<th>Adequate planning</th>
<th>Well planned, organized, clear objectives, lessons maintain interest</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
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Basis for judgment:
- No basis
- Limited
- Moderate
- Substantial

Strengths/limitations

O. Teacher's knowledge of subject matter — correctness of information, clarity of explanations, relevance of examples, flexibility, elaboration.

<table>
<thead>
<tr>
<th>Deficient in skills/knowledge, teaches only from manual</th>
<th>Adequate</th>
<th>Mastery of subject, presents from more than one viewpoint, uses good examples</th>
</tr>
</thead>
<tbody>
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<td>High involvement, more than 75% of pupils engaged and attentive to tasks/activities most of time</td>
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Basis for judgment:
- No basis
- Limited
- Moderate
- Substantial

Strengths/limitations

P. Judgement of overall teaching performance during this observation.

<table>
<thead>
<tr>
<th>Not adequate</th>
<th>Marginal</th>
<th>Adequate</th>
<th>Excellent, well planned, stimulating, cohesive session</th>
</tr>
</thead>
<tbody>
<tr>
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(Additional comments on following page).