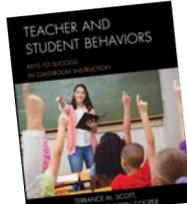


# Teacher Behaviors: Using Effective Instruction and the Basics of Management to Maximize Student Success

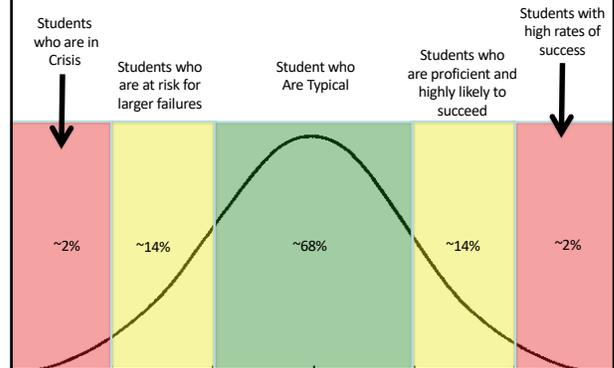
*A teacher's ability to create student success now has a significant impact on the predictability of future success*

- Disadvantaged students get less teacher attention and instruction
- Students with identified behavioural challenges Receive less instruction and more negative feedback from teachers
- Minority students (males) receive more negative feedback from teachers



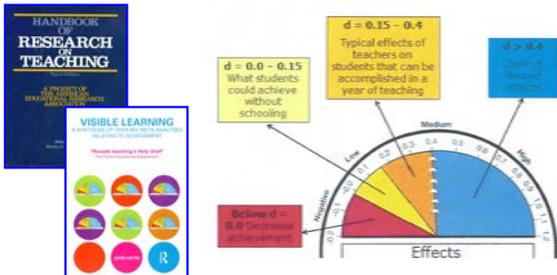
(Scott, Hirn, & Cooper, 2017)

## Why Does it Matter?

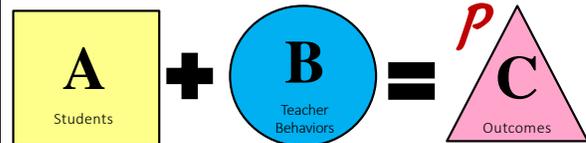


## What Works?

- Effective Classrooms Literature from 1970s (e.g., Brophy, Good, Rosenshine, Berliner, et al)
- Meta-Analyses from past 15 years (e.g., Hattie, Gottfredson, et al)



## Considering the Logic of Probability for Instruction and Management



**Provide the Highest Probability of Positive Outcomes**

- Explicit curriculum
- Modeling
- Engagement
- Goals
- Consistent routines
- Guided practice
- Proximity
- Spaced authentic practice
- Formative assessment
- High rates of positive to negative feedback

## What is an Effective Teacher?

- Anyone can tell students something or tell them what to do
- A teacher creates a set of circumstances that increase the probability of the student being successful now and in the future

Instruction	Environment	Relationships
<ul style="list-style-type: none"> <li>• Teacher facilitated</li> <li>• Direct and explicit</li> <li>• Authentic examples</li> <li>• Multiple opportunities</li> <li>• Engages students</li> </ul>	<ul style="list-style-type: none"> <li>• Arranges physical space</li> <li>• Develops routines</li> <li>• Develops Procedures</li> <li>• Consistent across time and students</li> </ul>	<ul style="list-style-type: none"> <li>• Communicates often</li> <li>• Conveys genuine interest in students</li> <li>• Maintains role of encouraging teacher</li> </ul>

## Schedule



Time	Activity
9:00 - 9:30	spelling -page 23
9:30 - 9:40	restroom break
9:40 - 10:30	math -workbook p. 19
10:30 - 11:15	music -walk quietly
11:15 - 11:25	wash hands
11:25	walk to lunch
11:30 - 12:30	lunch and recess

- Consistency!!
- Expectations for arrival times
- Sequencing and length of activities
- Explaining changes

# Teacher Behaviors: Using Effective Instruction and the Basics of Management to Maximize Student Success

## Physical Arrangements

- Sight lines

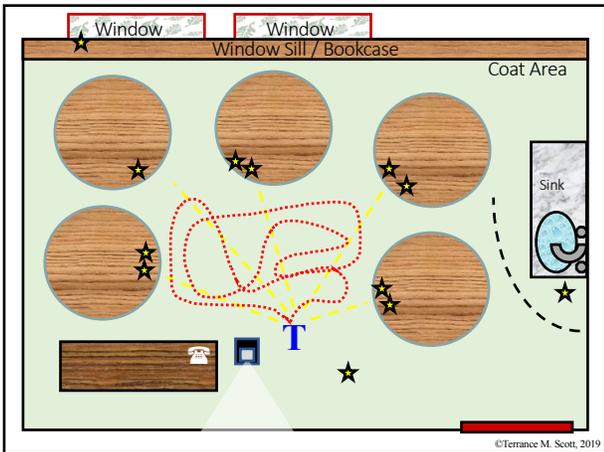
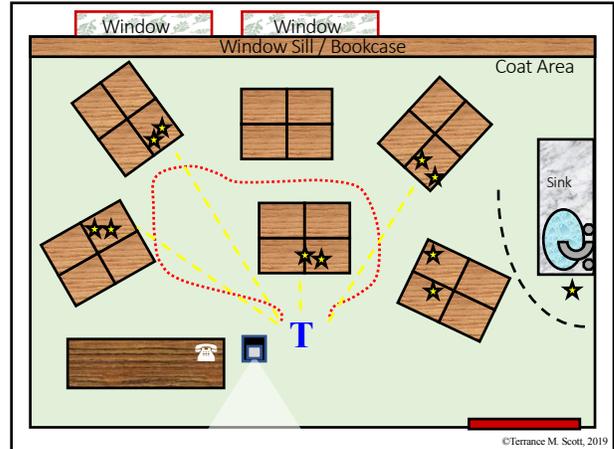
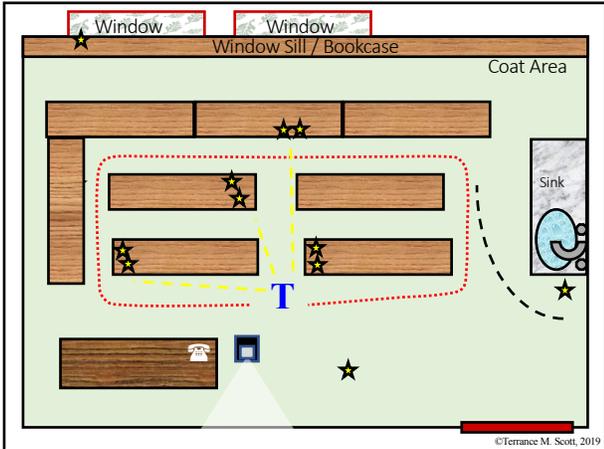
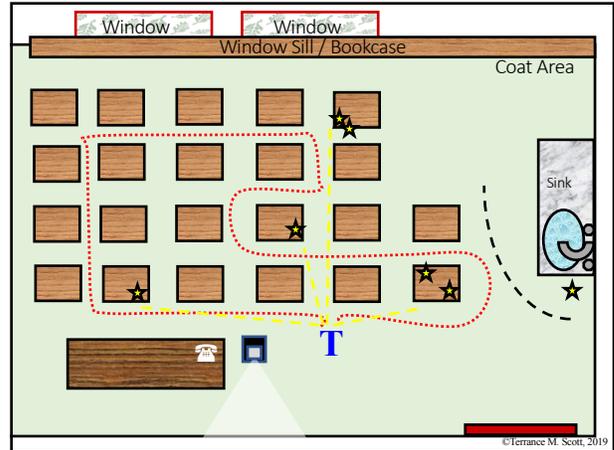
KEY: *Student Eye Contact*

- Teacher movement
- 1-second rule

- Furniture

KEY: *Consider Prevention*

- Teacher's desk
- Students' desks
  - Assigned Seating



## Proximity

- Proactive Proximity
  - Movement about the room
  - Assigned seating
- Reactive Proximity
  - Start with eye contact
  - Approach and eye contact
  - Hover and eye contact
  - Hover and question
    - What should we be doing?



# Teacher Behaviors: Using Effective Instruction and the Basics of Management to Maximize Student Success

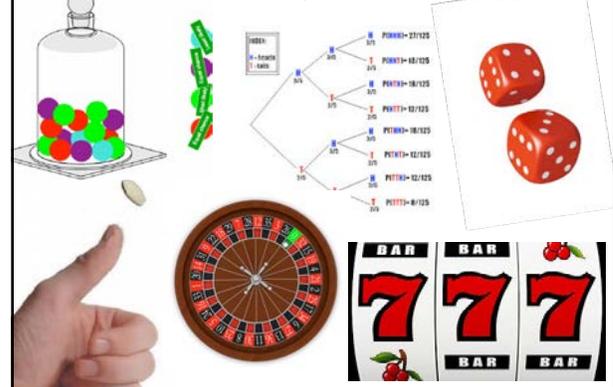
## Reactive Proximity

Use Proximity to prompt students back without stopping instruction

- Start with eye contact
- Approach and eye contact
- Hover and eye contact
- Hover and question
  - Genuine Concern
  - What should we be doing?
  - Avoid sarcasm

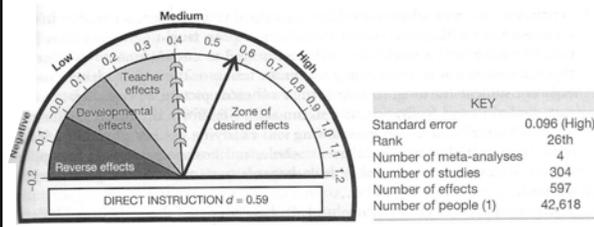


## Think Probability



## Effective Instruction Involves:

- (1) teacher is explicit with lesson content and considers what is necessary to facilitate success with learning
- (2) teacher responsibility for delivery and control of lesson to maximize student engagement and success
- (3) students get multiple opportunities to practice success at high rates with positive teacher acknowledgement



## To What Degree do Teachers Use High Probability Strategies?

### Classroom Observations Study

- Observe how teachers and students interact during typical classroom instructional periods
- 15-minute observations of individual student in context of classroom
- 13,000 classroom observations around the world



## Adult Behavior Predicts Student Behavior

Consider the degree to which teachers provide:

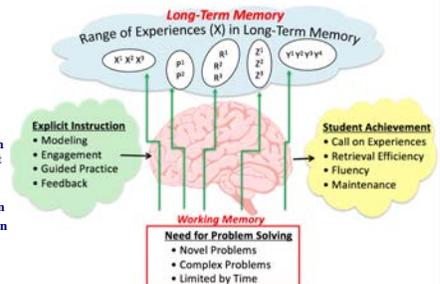
- Focus on students (time spent teaching/supervising)
- Opportunities to respond (OTR)
- Positive feedback
- Teachers using the least amount of these practices have students that are:
  - 27% more likely to be off task
  - 67% more likely to be disruptive



(Gage, Scott, & Hirn, 2018)

## What Science Tells Us About Teaching and Learning

- Guided explicit instruction with repetition and varied examples enhances storage in long-term memory
- Unstructured learning places a heavy load on working memory -- Information not stored in long-term memory is lost in 30 seconds
- Students with deficits can actually lose ground when instruction is not structured and explicit
- Especially important for novice learners



(Based on Kirshner, Sweller, & Clark, 2006)

# Teacher Behaviors: Using Effective Instruction and the Basics of Management to Maximize Student Success

## Extrapolating Across the School Year *Teaching*

Assuming 5 hour school day, 20 day school month, and 180 day school year

Not teaching = wasted instructional time	% of 15 min "Not Teaching"	Instruction Time Not Used (no teaching or monitoring)			
		Per Hour	Per Day	Per Month	Per Year
Elementary	10%	6 min	30 min	2 days	18 days
Middle School	10%	6 min	30min	2 days	18 days
High School	28%	16.8 min	1.40 hours	5.6 days	2.4 months

### Definition of Not Teaching:

Teacher is not engaging students and is involved in independent task with no interactions with student.

## Engagement

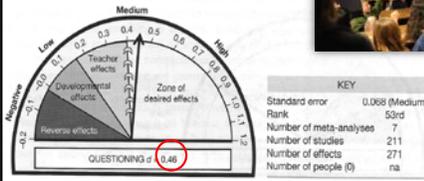
Teacher provided opportunities for student response during instruction (OTR) is associated with higher active student engagement and increased achievement

- **Engagement is a Teacher Behavior**
- Effective Teachers find ways to engage all students
  - Verbal responses
  - Raise hand to indicate agreement
  - Create and share
  - Demonstrate
  - Talk to neighbor
- Keys
  - High rates of success
  - Used as vehicles for delivering positive feedback



## Questioning Strategies

- Asking questions and using student answers to drive instruction can be done in productive or unproductive ways
  - We want questions that provide a high probability of student success



## High Poverty Schools & Engagement *Using Instruction to Predict Student Success*



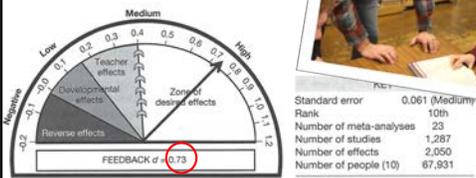
	$\tau_{00}$ Between-school variance	$\sigma^2$ Within-school variance	$\tau_{00}/(\tau_{00} + \sigma^2)$ ICC	Reliability estimate
Group OTR	0.033***	0.603	0.051	.557
Individual OTR	0.001	0.134	0.009	.182
Positive feedback	0.000	0.028	0.008	.16
Negative feedback	0.000**	0.004	0.033	.443

Note. ICC = Intraclass Correlation Coefficient.  
\* $p < .05$ . \*\* $p < .01$ . \*\*\* $p < .001$ .

- Group OTR predictive of academic achievement
- Negative Feedback predictive of school suspension
- Differences across schools are at the teacher level (Hirn, Hollo, & Scott, in press)

## Feedback

- Simple feedback on performance – formative and summative – is one of the most effective components of instruction
  - This means nothing more than simply acknowledging student success when you see it



## Responding to Misbehavior/Errors

- We have **zero** evidence that removing a student from the classroom or school results in a decrease in problem behavior
  - More likely to be used with minorities and students with disabilities
- Correction is a more positive and effective response
- Consider the Restorative Practices language

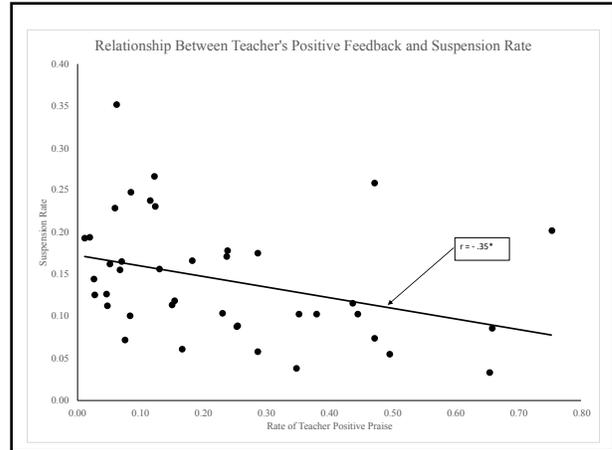


(Hirn & Scott, 2014; Scott, Gage, & Hirn, in review)

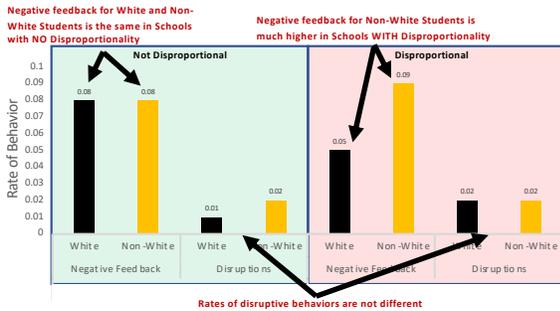
# Teacher Behaviors: Using Effective Instruction and the Basics of Management to Maximize Student Success

## Acknowledge Errors with Correction

1. Feedback that behavior is inappropriate
  - "Is that the right way?"
  - "Is there a better way?"
  - "Are you being respectful – why not?"
2. Re-teach appropriate behavior
  - "What is a better way?"
  - "What would it look like if it was done better?"
  - "What is a more respectful behavior?"
3. Facilitate success with positive feedback
  - "Show me that --- thanks – remember to do that."



## Teachers' Use of Negative Feedback in Schools that Are and Are Not Disproportional with Disciplinary Suspensions



## Acknowledge Success

- Level 1: Verbal Praise
  - Age appropriate
    - "thanks" "I appreciate" "I'm impressed" etc.
  - Delivered with specificity "you did XX correctly"
  - Mix up use of superlatives
    - Exactly, super, awesome, perfect, thank you, etc



## Acknowledge Success

- Level 2: Access to Privilege
  - Things that are already exist
  - Actions, events, options, and tasks that students like
    - First in line, pick of computer, sit at special table, runner to office, etc.
  - Make contingent



## Acknowledge Success

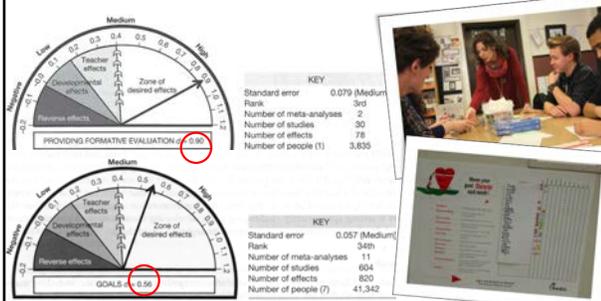
- Level 3: Public Acknowledgement
  - Make bigger – involve home or community if possible
  - For those who like it
  - For those deserving more
  - Free



## Teacher Behaviors: Using Effective Instruction and the Basics of Management to Maximize Student Success

### Assessment and Goal Setting

Frequent formative assessment based on instruction (CBA) with attention to student goal-setting has strong effects



### Responding to Misbehavior/Errors

- We have **zero** evidence that removing a student from the classroom or school results in a decrease in problem behavior
  - More likely to be used with minorities and students with disabilities
- Correction is a more positive and effective response
- Consider the Restorative Practices language



(Hirn & Scott, 2014; Scott, Gage, & Hirn, 2018)

### Success Enhances Relationships



### Facilitating a Positive Relationship

#### BIG IDEA

Trick and trap student success – then give the student all the credit for it

- Speak privately and genuinely with students
- Frame misbehaviors as problems for them – not you
  - Offer solution and make it a choice for the student
  - You hope the student makes a good decision for him/herself
  - Students earn consequences with their behavior
  - You're role is to teach them how to earn more positives
- Find time for personal interactions – even if very brief

### Using Consequences Positively

Teach consequences as part of instruction is expected

- **Acknowledge behavior on a regular basis**
  - For the large majority of students this can be nothing but verbal (save tangibles for when really needed)
  - Put the focus on student behavior – they did it
- **Frame misbehaviors as problems for them – not you**
  - Offer solution and make it a choice for the student
  - You hope the student makes a good decision for him/herself
  - Students earn consequences with their behavior
  - You're role is to teach them how to earn more positives

### Disruptive Behaviors

#### Teach Appropriate Behavior

- Consider the purpose or function of behavior
  - ✓ If the purpose is to get peer attention, teach appropriate ways to get peer attention
  - ✓ If the purpose is to express frustration and avoid work, teach a better way to ask for assistance or a break
- Teach: explain and model with students and engage them in discussion
- Provide reminders
  - ✓ especially at times where non-compliance is predictable and with students who are likely to forget
- Develop routines and arrangements to facilitate success
- Avoid predictable triggers for student disruption

## Teacher Behaviors: Using Effective Instruction and the Basics of Management to Maximize Student Success

### Disruptive Behaviors

#### Keys to Addressing Disruption

- Recognize agitation early
- Redirect student in a clear and neutral manner
  - ✓ Provide **one very clear direction** for student to follow – should focus on the behavior that was taught
  - ✓ Express as a choice the student makes – not an ultimatum
  - ✓ Break complex directions into smaller steps and direct the first step
- Communicate concern for student – not for you
  - ✓ Present options for student – not ultimatum
  - ✓ Be private as much as possible – but don't hover
  - ✓ Remind and assist student to use appropriate behavior

### Non-Compliant Behaviors

#### Keys to Addressing Non-Compliance

- Provide **one very clear direction** for student to follow
  - ✓ Break complex directions into smaller steps and direct the first step
- Initial Direction:* move to desk, get out book, get paper, begin work  
*After Non-Compliance:* move to desk
- Initial Direction:* complete all problems on page 76  
*After Non-Compliance:* get started on work
- Be neutral but direct to student and stay with the direction – broken record
- All other student requests and issues are contingent upon compliance
- Follow-up with student quietly rather than in front of group
- Continue to acknowledge other on-task students
- Acknowledge cooperation or implement consequence in a neutral manner

Adults need the same Effective Instruction that kids do (purposeful, engaging, feedback)

	Increase Knowledge	Skill Demonstration	Use in the Classroom
Presentation/Discussion	10%	5%	0%
+Demonstration	30%	20%	0%
+Practice and Feedback	60%	60%	5%
<b>+Coaching in Classroom</b>	<b>95%</b>	<b>95%</b>	<b>95%</b>

Joyce and Showers, 2002

#### Regular coaching with authentic examples, engagement, application, and feedback

Keys to Facilitating Sustainable Change

- Provide a logic – *why should I do this?*
- Teach discrimination – *do I understand the keys?*
- Discuss relevance – *how would I use with my kids?*
- Observe and evaluate – *can I assess others?*
- Formative practice – *do I think about this all year?*



### SCGA iPad Application

Classroom Observation & Evaluation

- Includes all effective instruction codes for teachers and students
- New codes may be added
- Duration and frequency data
- Includes walk-through assessment component
- Generates graphs (export)
- Facilitates repeated observations of same teacher/context/student
- Data can be dumped into Excel or SPSS for reliability calculations and complex analyses
- Continuing updates



Developed and sold by John Anderson – Vernal Middle School, Vernal, Utah

Full User Manual Available Free Online

[www.louisville.edu/education/abri/assessment](http://www.louisville.edu/education/abri/assessment)

### Big Ideas

- Student behavior won't change until adult behavior changes  
-- **Adults Matter!**
- ALL behavior change is an instructional process  
-- **Instruction Matters!**
- It's all about probability – what's the simplest way to make a difference in the success : failure ratio of a student?  
-- **Practices Matter!**

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