





**CONTENT**  
Change Match Transform Extend Generalize Research  
Give main idea Give examples of Observe Estimate Reorganize

**LANGUAGE SKILLS**  
Paraphrase Restate Illustrate

**LANGUAGE FUNCTIONS**  
Confirm Express Relate Infer Summarize  
Defend Explain Report

**LANGUAGE STRATEGY**  
Predict

**UNDERSTANDING**  
(Comprehension)

1

**REMEMBERING**  
(Knowledge)

2

**APPLYING**  
(Application)

3

**LANGUAGE SKILLS**  
Draw Paint  
Interview Illustrate

**CONTENT**  
Apply Change Choose Collect  
Discover Make Model Modify  
Prepare Produce Show Translate  
Manipulate Calculate Operate  
Compute Demonstrate Use  
Sequence Adapt Exhibit Solve  
Construct Practice

**LANGUAGE FUNCTIONS**  
Classify Interpret Report

**LANGUAGE LESSON TASK**  
Dramatize

**CONTENT**  
Add to Develop Originate Combine  
Plan Construct Produce Create Invent  
Design Organize What if Assemble  
Compile Forecast Devise Prepare  
Imagine Generate Improve Act Blend  
Set up Concoct

**LANGUAGE FUNCTIONS**  
Formulate Hypothesize Compose Propose

**LANGUAGE TASK**  
Role Play

**CREATING**  
(Evaluation)

6

**EVALUATING**  
(Synthesis)

5

**CONTENT**  
Consider Weigh Solve Judge Rate  
Validate Prioritize Tell why Value  
Evaluate Measure Reject Rank

**LANGUAGE FUNCTIONS**  
Apprise Assess Compare Critique Judge  
Recommend Relate Summarize Infer Defend  
Conclude Deduce Debate Justify Argue Decide

**LANGUAGE SKILLS**  
Score Revise

**ANALYSING**  
(Analysis)

4

**CONTENT**  
Analyze Differentiate Examine  
Distinguish Point out Research Select  
Separate Subdivide Survey Take apart  
Experiment Inspect Probe Inquire Arrange  
Sift Criticize Detect Group Order Test  
Dissect Discriminate

**LANGUAGE FUNCTIONS**  
Categorize Classify Compare  
Contrast Infer Appraise Debate

**LANGUAGE SKILLS**  
Question Diagram

Understand how highly effective educators maximize student outcomes.

Research has concluded teachers have more influence on student progress than any other school variable. And learning what our most effective teachers do in the classroom and the behaviors and attitudes they embody are the first steps toward helping all teachers become more successful.



### Any-Time, Any-Place, Any-Pace Learning

Designed for educators to work independently or with a professional learning team, the courses offer the flexibility educators need—any-time, any-place, any-pace learning.

### Multi-Dimensional

Courses contain self-assessment activities, teacher/principal commentary, effectiveness framework and animation to help educators develop an understanding of their current practice.



HET Learning Pathway		HEP Learning Pathway	
Introduction to Highly Effective Teacher Research		Introduction to Highly Effective Principal Research	
Course 1			
Course 1 provides the context for the work that Battelle for Kids is doing to recognize and support excellence in education.			
Assessing Your Teaching Practice (The Reflect Survey)		Assessing Your Leadership Practice (The Reflect Survey)	
Course 2			
Course 2 is designed to help educators begin to think more deeply about their personal practice so that they can begin to design a customized plan for professional development.			
Exploring Effective Teaching with the Competing Values Framework		Exploring Effective School Leadership with the Competing Values Framework	
Course 3			
Course 3 builds off the self-assessment in Course 2 by helping educators think about different aspects of effectiveness in a more integrative way.			

and administrators. Throughout the courses, educators are asked to respond to reflection questions about their personal practice. The Reflect Survey helps teachers and administrators identify the values that drive their practice. At the conclusion of the courses, responses to the reflection questions and survey are captured in a summary report that can be used to inform ongoing professional learning.

### Highly Effective Teacher and Principal Learning Pathways

Upon enrolling, educators can select the highly effective teacher learning pathway designed specifically for teachers who provide direct instruction to students, or the highly effective principal learning pathway targeted at leaders, including teacher leaders, principals

- Reflect on their personal practice
- Recognize instructional strengths
- Identify areas for improvement

Battelle for Kids has studied the practices of highly effective teachers and principals across the country who have a proven history of producing significant student gains to better understand the characteristics, attitudes and behaviors that lead to their students' high academic progress. A new series of online courses, based on these findings, provide the foundation for thinking and talking about improving educator effectiveness. Available through the BFK•Learn® solution, Battelle for Kids' online learning management service, this set of courses provides the opportunity for educators to:

## Achievement v. Growth

<b>Achievement</b>	<p>Measure of a student's understanding of a set of standards</p> <p>Measured a student's performance at a single point in time</p> <p>A grade of an assessment that is given to students to see if they understand the standards being taught.</p>
<b>Growth</b>	<p>Measure of student's progress from one moment in time to the next.</p> <p>Compares students' own performance to their own prior performance</p> <p>A pre-test and post-test to see if a student has grown from one point in time to another.</p>

With a partner, discuss the everyday examples of Achievement Data

Example of Achievement Data	What does the numbers look like?
1. A probe designed to test mastery of a GCSS taught during the week.	Percent Correct/ # Correct
2.	
3.	
4.	
5.	

Share out examples

Using state assessment results, where would you find Achievement Data?

With a partner, discuss the examples of Growth Data

Example of Growth Data	What assessments could you use for Growth Data?
1.	
2.	
3.	

Share out

Using state assessment results, where would you find Growth Data?

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## Resources for Tennessee Educators

Common Core, TEAM, Assessment, Teacher resources for instructional practices and much more

<b>Common Core State Standards</b>	<b>Tennessee Curriculum Center</b>	Common Core Standards, best practices, lessons, resources, crosswalk. Second link – Next Generation Science Standards	<a href="http://tncurriculumcenter.org">http://tncurriculumcenter.org</a> <a href="http://www.tncurriculumcenter.org/ngss">http://www.tncurriculumcenter.org/ngss</a>
	<b>TN Core</b>	TDE’s site for TN educators on Common Core State Standards, resource, and information. Great site	<a href="http://TNCore.org">http://TNCore.org</a>
	<b>Common Core State Standards Initiative</b>	Core Standards, Appendices Key tabs: About the Standards & The Standards	<a href="http://corestandards.org">http://corestandards.org</a>
	<b>PARCC</b>	Great resource for teachers about standards, lessons, activities and more. SPEND SOME TIME HERE!	<a href="http://parcconline.org">http://parcconline.org</a> <a href="http://illustrativemathematics.org">http://illustrativemathematics.org</a> (awesome math site)
	<b>Muhlenberg, KY</b>	CCSS site with ELA & Math K-12 Deconstructing standards and formative assessments	<a href="http://muhlenberg.kyschools.us">http://muhlenberg.kyschools.us</a> (Common Core)
	<b>ELA Curriculum Maps</b>	First edition free	<a href="http://commoncore.org/maps">http://commoncore.org/maps</a>
	<b>Learning Registry</b>	US DOE – resources	<a href="http://learningregistry.org">http://learningregistry.org</a>

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		for educators including lessons, resources, PD, practices that work for improving student achievement & classroom instruction (such as Doing What Works)	
	<b>ACHIEVE</b>	A website by the authors of CCSS which have resources for teachers and research.	<a href="http://achieve.org/achievingcommoncore">http://achieve.org/achievingcommoncore</a>
	<b>Achieve the Core</b>	This site is here to provide free, high-quality resources for educators in the implementation of CCSS. By 3 authors of CCSS.	<a href="http://achievethecore.org">http://achievethecore.org</a>
	<b>TNELC</b>	Thousands of podcast on instruction, standards, data, value-added, TEAM, & CCSS	<a href="http://www.tnelc.org">http://www.tnelc.org</a>
	<b>CCSS Tool Box</b>	A site for Mathematics teachers with Assessment Prototypes, Math practices and content, and resources.	<a href="http://ccsstoolbox.com">http://ccsstoolbox.com</a>
	<b>Wiki Teacher</b>	ELA and Math lessons & units, videos, unwrapping of CCSS –	<a href="http://www.wiki-teacher.com">http://www.wiki-teacher.com</a>

Author: D.Kolbe (2012)

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		free account available	
	<b>K-5 Math Teaching Resources</b>	A site that provides extensive collection of resources, math games, and hands-on activities aligned to CCSS	<a href="http://www.k-5mathteachingresources.com">http://www.k-5mathteachingresources.com</a>
	<b>Battelle For Kids</b>	CCSS Vertical Progression guides for ELA and Math	<a href="http://mvesc.k12.oh.us/marketplace">http://mvesc.k12.oh.us/marketplace</a>
	<b>Arizona Dept. of Ed</b>		<a href="http://www.azed.gov/standards-practices/common-core-state-standards/">http://www.azed.gov/standards-practices/common-core-state-standards/</a>
	<b>West Va Dept. of Ed</b>	Formative Instruction Practices ideas	<a href="http://wvde.state.wv.us/teach21/FormativeAssessment.html">http://wvde.state.wv.us/teach21/FormativeAssessment.html</a>
<b>Assessments</b>	<b>PARCC</b>	PARCC Consortium configuring the assessment for TN	<a href="http://parconline.org">http://parconline.org</a>
	<b>SAT 10</b>	Information on SAT 10 and grade-level skills	<a href="http://stanford-achievement-test.blogspot.com/">http://stanford-achievement-test.blogspot.com/</a>
	<b>Discovery Education</b>		<a href="http://discoveryeducation.com">http://discoveryeducation.com</a>
<b>TEAM &amp; Professional Development</b>	<b>TEAM - TN</b>	Home of the Evaluation Process for Tennessee	<a href="http://team-tn.org">http://team-tn.org</a>
	<b>NIET Best Practices</b>	Evaluation Information, videos, resources, and much more.	<a href="http://nietbestpractices.org">http://nietbestpractices.org</a>
	<b>Tennessee Student Portal BFK</b>	Resources and information for FIP, Value-Added, Strategic Compensation,	<a href="http://battelleforkids.org/tennessee">http://battelleforkids.org/tennessee</a>



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	<b>Webbs' Depth of Knowledge</b>		
	<b>Tennessee Electronic Learning Center TNELC</b>	Podcasts & videos for educators for PD use or professional learning on standards, classroom practices, data, FIP, and much more.	<a href="http://tnelc.org">http://tnelc.org</a>
	<b>Bloom's Taxonomy</b>	Google "Bloom's Taxonomy Verbs": pdf	Key pdfs or web-sites: <ol style="list-style-type: none"> <li>1. Bloom's Taxonomy Action Verbs</li> <li>2. Bloom's Taxonomy with Measurable Verbs</li> <li>3. Applying Bloom's Taxonomy</li> <li>4. Verbs that Express Learning Outcomes</li> </ol>
<b>Data Information</b>	<b>TVAAS</b>		<a href="https://tvaas.sas.com/evaas/signin.jsf">https://tvaas.sas.com/evaas/signin.jsf</a>
	<b>Pearson Access</b>	Achievement data for TCAP and EOC exams on individual students, grade-levels, & schools	<a href="https://pearsonaccess.com/tn">https://pearsonaccess.com/tn</a>
	<b>Ed Tools</b>		<a href="https://tdoe.randasolutions.com/login.aspx">https://tdoe.randasolutions.com/login.aspx</a>
	<b>Battelle For Kids (BFK)</b>	Resource for Value-Added, Formative Instructional Practices, Highly Effective Teachers & Principals, Strategic Comp., and more.	<a href="http://battelleforkids.org/tennessee">http://battelleforkids.org/tennessee</a>

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<b>Curriculum &amp; Instruction</b>	<b>Samplers and Practice Tests</b>		<a href="http://state.tn.us/education/assessment/ach_samplers.shtml">http://state.tn.us/education/assessment/ach_samplers.shtml</a> <a href="http://state.tn.us/education/assessment/sec_samplers.shtml">http://state.tn.us/education/assessment/sec_samplers.shtml</a>
	<b>CRT Proficiency Levels</b>	Cut Scores by Grade-level and Reporting Categories	<a href="http://state.tn.us/education/assessment/ach_prof_levels.shtml">http://state.tn.us/education/assessment/ach_prof_levels.shtml</a>
	<b>Writing Assessment</b>		<a href="http://state.tn.us/education/assessment/tools_resources.shtml">http://state.tn.us/education/assessment/tools_resources.shtml</a>
	<b>Sullivan Co Portal</b>	Shared information about CCSS, Data, and much more for districts. Great site!	<a href="http://guest.portaportal.com/sullivancoassessment">http://guest.portaportal.com/sullivancoassessment</a>
	<b>Achievement Level Descriptors &amp; Definitions</b>	For 3-8 & EOCs	<a href="http://state.tn.us/education/assessment/tools_resources.shtml">http://state.tn.us/education/assessment/tools_resources.shtml</a>
	<b>CRA</b>	"What in the World is a Constructed Response?"	<a href="http://state.tn.us/education/assessment/tools_resources.shtml">http://state.tn.us/education/assessment/tools_resources.shtml</a>
	<b>Reporting Categories &amp; State Performance Indicators 3-12</b>		<a href="http://www.tn.gov/education/assessment_rpt_cat_spi.shtml">http://www.tn.gov/education/assessment_rpt_cat_spi.shtml</a>
	<b>Promethean Planet</b>	Interactive site for Promethean Boards using the world to change teaching and student connect.	<a href="http://prometheanplanet.com/en-us">http://prometheanplanet.com/en-us</a>

## A Balanced Assessment System

Instruction is a process and should be adjusted throughout the school year based on student needs. Formative instructional practices, part of a balanced assessment system, allow teachers to assess and respond to student learning in a timely and strategic manner. The *A Balanced Assessment System* graphic below illustrates what a balanced assessment system looks like at the district-, building- and classroom-levels. It includes formative and summative assessments: state achievement and value-added progress data to provide yearly assessments of student performance; common quarterly assessments to determine if students have met district benchmarks; and formative instructional practices on a continual basis to respond to student learning.

