

Catch Up Your Code

Plan of Action

- 1. Administer the assessment.**
- 2. Mark assessment.** Record student results in an Excel spreadsheet (totals /45 and totals /108).
- 3. Complete the Introduction Lesson.** Decide whether to teach each lesson in sequence or just teach to the gaps (select lessons to complete).
- 4. Put the English Phonemes and Graphemes chart on the wall.**
- 5. Teach one 10-minute lesson each day** as a warm-up to writing or spelling. Write the words and spelling patterns on the board.
- 6. Have students complete the practice activities** during the day or for homework.
- 7. When you have finished teaching the CUYC lessons,** re-administer the assessment. Record student results in the spreadsheet to show before and after results. Use this data to measure the impact of instruction on student outcomes, to get *Effect Size Shift* results for each class.

A multi-page assessment sheet with a grid for recording student results. It includes a header with the title 'CATCH UP YOUR CODE Alphabetic Code Assessment Sheet' and a table with columns for student names and various code categories.A large, colorful chart titled 'Catch Up Your Code English Phonemes and Graphemes'. It is organized into columns for different phoneme categories: 'Short vowels', 'Long vowels', 'Consonants', and 'Other sounds'. Each category contains a list of phonemes and their corresponding graphemes. The chart is designed to be a reference tool for students and teachers.A worksheet titled 'The short /a/ sound'. It features a list of words that contain the short /a/ sound, such as 'cat', 'bat', 'map', 'jam', 'man', 'pan', 'van', 'ham', 'can', 'ban', 'pan', 'van', 'ham', 'can', 'ban'. Each word is followed by a space for the student to write the word. The worksheet also includes a section for 'PRACTICE ACTIVITIES'.A 'Student Practice Book' with a blue and white cover. It contains various practice activities for students to complete. The book is designed to be used as a workbook for the CUYC program.

Effect Size Shift

What does the effect size measure?

The Effect Size Shift measures the impact of instruction on student outcomes.

Some broad guidelines for understanding Effect Size Shifts:

0.15–0.45 — small to medium impact: up to two times the normal rate of learning

0.45–0.75 — medium to large impact: two to three times the normal rate of learning

0.75+ — large to very large impact: three-plus times the normal rate of learning

Working out the Effect Size Shift

This is a simple way to work out the Effect Size shifts in the Catch Up Your Code assessment.

$$\frac{\text{Pretest mean} - \text{Post-test mean}}{\text{Mean Standard Deviation}}$$

Note: Excel has formulas you can use to work out the mean and the standard deviations.

1. Enter students pre and post test scores (total /45 and total /108) in an Excel spreadsheet

	A	B	C	D	E	F	G
1	CATCH UP YOUR CODE						
2	Student		Class	Pre test	Post Test	Pre test	Post Test
3	Last Name	First Name		Total /45	Total / 45	Total /108	Total /108
4	A	A	Rm 5	41	44	59	65
5	B	B	Rm 5	39	42	60	72
6	C	C	Rm 5	27	35	32	45
7	D	D	Rm 5	41	43	52	65
8	E	E	Rm 5	40	44	46	60
9	F	F	Rm 5	21	32	32	35
10	G	G	Rm 5	45	45	75	85
11	H	H	Rm 5	44	45	79	85
12	I	I	Rm 5	40	44	62	70
13	J	J	Rm 5	39	42	65	72
14	K	K	Rm 5	43	44	69	85
15							
16	Mean			38.181818	41.81818182	57.363636	67.181818
17	Standard Deviation			7.4002457	4.285281363	15.647829	16.110979

Note: You can only use results for students who have completed both tests.

2. Work out the mean of the Pretest results and the mean of the post-test results and subtract the pretest mean from the post-test mean.

For example: Total /45 pretest mean – 38.18. Post test mean – 41.81
 $41.81 - 38.18 = 3.63$

Difference in means 3.63.

3. Work out the standard deviation for the pre-test scores and for the post-test scores.

Pretest – 7.40 Post test – 4.28

Add both standard deviation scores together and find the mean.

$7.40 + 4.28 = 11.68$. Divide by 2

Mean of standard deviations = 5.84

4. Divide the difference in the mean **3.63** by the mean of the standard deviation **5.84**

3.63 divided by **5.84** = **0.62** (Effect Size Shift)

This result shows that this group of students experienced two to three times the normal rate of learning using *Catch Up Your Code* instruction — a medium to large impact.