Essential Information for Edu ation_oli

Teaching Teachers: Professional Development To Improve Student Achievement

Good teachers form the foundation of ood schoo's and im ro, in teachers si's and no 'ed e is one of the most im ortant in, estments of time and mone that 'oca' state and nationa' 'eaders ma e in education r'et ith the ide, ariet of rofessiona' de, e'o ment o tions a, ai'a' 'e hich methods ha, e the most im act on student 'earnin

, esearch on rofessiona de e o ment is scattered throu hout sur ect areas ith its focus ran in from c assroom rocesses and structures to teachers ersona traits e ha e imited our re ie to earnin o ortu nities for teachers that are e icit aimed at increasin student achie ement

What Are Teachers Learning?

FOCUS ON TEACHING SKILLS

esearch on the 'in steet een teacher 'earn in and student achie, ement is di, ided into to a, es, he first a, e te innin in the s focused rimari or eneric teachin s ins such as a ocatin crass time ro, idin crear crassroom demonstrations assessin student com rehension durin rectures main tainin attention and rou in students

, hese studies sho ed sma•• to moderate ositi, e effects on students ** asic s i••s such as honetic decodin and arithmetic o era

tions in a fe cases reasonin s i*s a*so im ro, ed or e am *e in an e erimenta* stud of fourth rade mathematics in uk* an schoo*s ser, in rimari* *o income fami*ies student achie, ement as reater hen teach ers em hasi ed acti, e ho*e c*ass instruction

i in information uestionin students and ro idin feed at and more fre uent re ie s amon other measures tudent achie ement a so as enhanced hen teach ers earned to for the resentation of ne materia ith uided ractice as in uestions and su er isin e ercises

FOCUS ON SUBJECT MATTER AND STUDENT LEARNING

n the saseconda e of research de ed dee er into student earnin focus in on students reasonin and rower em so in otentia srather than on on asic sies tsu ested that rofessiona de eo ment can infeuence teachers cassroom



ractices si nificant and ead to im ro ed student achie ement hen it focuses on (ho students earn articu ar su ect matter (instructiona ractices that are s ecifica reated to the su ect matter and ho students understand it and (stren thenin teachers no ed e of s ecific su ect matter content ose a nment of rofessiona de e o ment ith actua cassroom conditions a so is e

n one stud , homas ar enter and correa ues ran dom raced first rade teachers either in a month on or sho that famiriari ed them ith research on ho students understand addition and sur traction ord ror rems or in rofessionarde, ero ment that focused on mathematicar ror em sor in strate ies

Changing How Teachers Teach

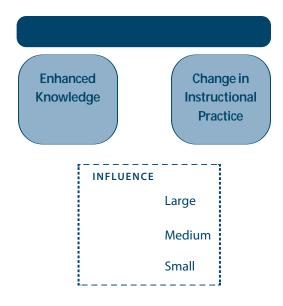
nast yoa e eral programs pporting pro essional e elop ment teachers reporte that a **focus on content knowledge** was one o two elements that ha the greatest e ect on their knowl e ge an skills an le to changes in instrictional practice. The other element was **coherence**, which incles il ing on what teachers alrea y ha e learne aligning pro essional e elop ment with state an istrict stan ar significant an encoraging comminication among teachers who are striing to reform their instriction in similar ways

ther things that mattere tha less impact were time span how long the training laste of er time an contact hours then more of hours spent in professional elegipment

There ore pro essional e elopment is likely to e more e ecti e i it is s staine o er time an in ol es a signi icant n m er o ho rs

ollecti e participation which in ol es pro essional e elopment esigne or gro ps o teachers rom the same school epartment or gra e le el ten e to create more acti e learning e g o ser ing an eing o ser e while teaching planning or classroom se o what was learne in pro essional e elopment re iewing st ent work an gi ing presentations lea ing isc ssions an pro cing written work an this ha some e ect on teacher knowle ge an skills

Aspects of Teacher Professional Development and Their Relationship to Better Instruction



Source: Adapted from Garet, M.S., et al. (2001). at Ma es rofess onal e elopment ffect e esults from a at onal Sample of eac ers. American Educational Research Journal, , ol. , o. (nter), pp. 1 .F ure 1.

Facts at a Glance

- ▶ Teachers are more likely to change their teaching practices when pro essional e el opment is irectly linke to the program they are teaching an the stan ar s an assessments that they se
- ▶ Teacher pro essional e elopment can impro e st ent achie ement when it oc ses on teachers™knowle ge o the s ect matter an how st ents n erstan an learn it

chan e their ractices and that artici atin in rofessiona earnin communities o timi es the time s ent on rofessiona de eo ment herefore it is stri in that one nationa sur e found that in nine of content areas most teachers said that the s ent one da or ess on rofessiona de eo ment durin the re ious ear

hi•e ade uate time for rofessiona• de, e•o ment is essentia• studies a•so sho that; itse•f more time does not uarantee success f the sessions do not focus on the stir ect matter content that research has sho n to; e effecti, e then the duration i•• do •itt•e to chan e teachers ractices and im ro, e student •earnin

ost states and schoo' districts do not no ho much mone the are s endin on rofessiona' de e' o ment for teachers or hat' enefit the are actua' ettin from their out a s' ecause the do not s s tematica' e a uate ho e' the additiona' trainin or s n effecti e e a uation inc'udes an e amina

