Geometry: Unit 4 Triangles **SLO: I can prove parts of triangles are congruent through CPCTC.**

అంతాలాలా Today is a GREAT day to think mathematically! Let's get organized first. అంతాలా	
TABLE OF CONTENTS	S: 12/11 Proof by CPCTC
<u>NEW NOTEBOOK PAGE: 12/11 Proof by CPCTC - Name</u> SLO: I can prove parts of triangles are congruent through CPCTC.	
Assignment Sheet:	12/11 CW: Proof by CPCTC due 12/11 12/11 HW: Proof by CPCTC due 12/12
DO NOW SHEET:	Name, Date, Period, draw a diagram that shows $\triangle ABC \cong \triangle MNL$. Mark all the congruent corresponding parts.
LESSON: (Record all work in your notebook.)	
CPCTC: Corresponding Parts of Congruent Triangles are Congruent (CPCTC) is useful in proofs. If you prove that two triangles are congruent, then you can use CPCTC as a justification for proving corresponding parts of Congruent. Siven: $\overline{AD} \cong \overline{CD}, \overline{AB} \cong \overline{CB}$ Prove: $\angle A \cong \angle C$ Proof: $\overline{AD} \cong \overline{CD}, \overline{ABD} \cong \triangle CBD, \overline{ABD} \cong \triangle CBD, \overline{ABD} \cong \triangle CDD, \overline{CPCTC}$	

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Use the statements and reasons provided to organize a flowchart proof. Use the transparencies provided to organize a your proof and then copy your proof into your notebook.

