

Pre-Content/content Post-Content	Learning outcomes/Objectives	
	General	Specific
<u>Pre-Content</u> * Definition, of inverse trigonometric functions range, domain, principal value branch. Graphs of inverse trigonometric functions Elementary properties of inverse trigonometric functions simplification of inverse trigonometric functions, solution of inverse trigonometric equations	Students will be able to appreciate the need for principal value for a given inverse trigonometric function comprehend the meaning of various inverse trigonometric formulae finding suitable substitution to simplify foster respect for academic environment	Students will be able to relate the Domain and range of various trigonometric functions with principal value apply the various formulae connecting them simplify using above mentioned formulae develop skill in solving given equations

Home Work /Assignments

- 1)NCERT Exercise questions
- 2)Exemplar problem

AND PROGRESS

CLASS: XII 2/2

Month May/July

Teacher's Activity	Student's Activity	Teacher's observation and Remedial
Teacher will explain principal value with the help of domain, range table will show the working of some questions discuss with the help of various examples engage them in thinking on how to make suitable substitution lay stress on the need to check the solution by substituting in given equation	Student will observe carefully and identify them as required, follow the instructions and Solve the Questions from Ex2.1 solve the Questions from Ex2.2 solve Misc Ex on chap 2 solve the questions given to them for practice	Teacher will write observation and remarks after the class

Teaching Aids- NCERT BOOK

Methodology/Innovative Methods Use of Smart board lessons, practice through assignments, reinforcement method.

Interdisciplinary Links astronomy

Coordinator

Vice-Principal

Principal