

WOBULENZI HIGH SCHOOL

SCHEME OF WORK

Name(s) of Teacher(s): **MR. TURYAHABWE JAMES**

Class: **S.4**

Subject: **MATHEMATICS**

Term: **ONE** YEAR: **2025**

WEEK	PERIOD	TOPIC	COMPETENCY	LEARNING OUTCOMES	TEACHING/ LEARNING RESOURCES	METHODOLOGY	REFERENCES	Remarks
Week 1 2/3/2025- 2/9/2025	6	COMPOSITE FUNCTIONS	The learner understands and uses composite functions.	The learner should be able to; - understand and use function notation. - describe and understand composite function..	Chalkboard illustrations.	Learner centered method through the following techniques: <ul style="list-style-type: none"> Group-work will be used to develop communication, cooperation, good listening skills, Discussion will help in critical thinking skills Think pair-share to develop the art of listening to another one's opinion, critical thinking, (formative assessment enhanced) Demonstration Guided discovery 	NCDC approved Learners' book NCDC approved Teacher's guide Internet LSC syllabus	

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<i>Week 2</i> 2/10/2025- 2/16/2025	6	COMPOSITE FUNCTIONS	The learner understands and uses composite functions.	The learner should be able to; - describe and understand composite function. -work out the inverse of the function and recognize the graphical relationship between a function and its inverse.	Chalkboard illustrations.	Learner centered method through the following techniques: <ul style="list-style-type: none"> • Group work will be used to develop communication, cooperation, good listening skills, • Discussion will help in critical thinking skills • Think pair-share to develop the art of listening to another one's opinion, critical thinking, (formative assessment enhanced) • Demonstration • Guided discovery 	NCDC approved Learners' book NCDC approved Teacher's guide Internet LSC syllabus	

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Week 3 2/17/2025- 2/23/2025	6	COMPOSITE FUNCTIONS	The learner understands and uses composite functions.	The learner should be able to; - work out the inverse of the function and recognize the graphical relationship between a function and its inverse.	Chalkboard illustrations.	Learner centered method through the following techniques: <ul style="list-style-type: none"> • Group-work will be used to develop communication, cooperation, good listening skills, • Discussion will help in critical thinking skills • Think pair-share to develop the art of listening to another one's opinion, critical thinking, (formative assessment enhanced) • Demonstration • Guided discovery 	NCDC approved Learners' book NCDC approved Teacher's guide Internet LSC syllabus	

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<i>Week 4</i> 2/24/2025- 3/2/2025	6	EQUATIONS AND INEQUALITIES	The learner understands, uses and solves problems using equations and inequalities.	The learner should be able to; - build formula from word statement. - rewrite a given formula by changing the subject.	Chalkboard illustrations.	Learner centered method through the following techniques: <ul style="list-style-type: none"> • Group work will be used to develop communication, cooperation, good listening skills, • Discussion will help in critical thinking skills • Think pair-share to develop the art of listening to another one's opinion, critical thinking, (formative assessment enhanced) • Demonstration • Guided discovery 	NCDC approved Learners' book NCDC approved Teacher's guide Internet LSC syllabus	

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Week 5 3/3/2025- 3/9/2025	6	EQUATIONS AND INEQUALITIES	The learner understands, uses and solves problems using equations and inequalities.	The learner should be able to; - solve equations and inequalities, representing the solution on the number line or graphically as appropriate.	Chalkboard illustrations. Manilla paper.	Learner centered method through the following techniques: <ul style="list-style-type: none"> • Group-work will be used to develop communication, cooperation, good listening skills, • Discussion will help in critical thinking skills • Think pair-share to develop the art of listening to another one's opinion, critical thinking, (formative assessment enhanced) • Demonstration • Guided discovery 	NCDC approved Learners' book NCDC approved Teacher's guide Internet LSC syllabus	

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<i>Week 6</i> 3/10/2025- 3/16/2025	6	LINEAR PROGRAMING	The learner understands and uses linear programming to solve problems.	The learner should be able to; -form linear in equalities based on real life situation.	Chalkboard illustrations.	Learner centered method through the following techniques: <ul style="list-style-type: none"> • Group work will be used to develop communication, cooperation, good listening skills, • Discussion will help in critical thinking skills • Think pair-share to develop the art of listening to another one's opinion, critical thinking, (formative assessment enhanced) • Demonstration • Guided discovery 	NCDC Learners' book NCDC Teachers guide Internet LSC syllabus	

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<i>Week 7</i> 3/17/2025- 3/23/2025	6	LINEAR PROGRAMING	The learner understands and uses linear programming to solve problems.	The learner should be able to; - represent the inequalities on the graph and identifies the required region.	Chalkboard illustrations. Manilla paper.	Learner centered method through the following techniques: <ul style="list-style-type: none"> • Group work will be used to develop communication, cooperation, good listening skills, • Discussion will help in critical thinking skills • Think pair-share to develop the art of listening to another one's opinion, critical thinking, (formative assessment enhanced) • Demonstration • Guided discovery 	NCDC Learners' book NCDC Teachers guide Internet LSC syllabus	

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<i>Week 8</i> 3/24/2025- 3/30/2025	6	LINEAR PROGRAMING	The learner understands and uses linear programming to solve problems.	The learner should be able to; - find and interpret the optimum solutions set of linear inequalities in two unknowns.	Chalkboard illustrations Manilla paper.	Learner centered method through the following techniques: <ul style="list-style-type: none"> • Group work will be used to develop communication, cooperation, good listening skills, • Discussion will help in critical thinking skills • Think pair-share to develop the art of listening to another one's opinion, critical thinking, (formative assessment enhanced) • Demonstration • Guided discovery 	NCDC Learners' book NCDC Teachers guide Internet LSC syllabus	

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Week 9 3/31/2025- 4/6/2025	6	LOCI	The learner understands and applies loci.	The learner should be able to; - describe common types of loci. -constructs loci involving points under given coordinates.	Chalkboard illustrations Class groups.	Learner centered method through the following techniques: <ul style="list-style-type: none"> • Group work will be used to develop communication, cooperation, good listening skills, • Discussion will help in critical thinking skills • Think pair-share to develop the art of listening to another one's opinion, critical thinking, (formative assessment enhanced) • Demonstration • Guided discovery 	NCDC Learners' book NCDC Teachers guide Internet LSC syllabus	

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Week 10 4/7/2025- 4/13/2025	6	LOCI	The learner understands and applies loci.	The learner should be able to; - constructs intersecting loci. -constructs loci involving inequalities.	Chalkboard illustrations 2D Cartesian system. Geometry sets.	Learner centered method through the following techniques: <ul style="list-style-type: none"> • Group work will be used to develop communication, cooperation, good listening skills, • Discussion will help in critical thinking skills • Think pair-share to develop the art of listening to another one's opinion, critical thinking, (formative assessment enhanced) • Demonstration • Guided discovery 	NCDC Learners' book NCDC Teachers guide Internet LSC syllabus	