



PhysBuddy

PHYSICAL SCIENCES

GRADE 11

25 DAY STUDY PLAN TO ACE NOV FINALS



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ACE PHYSICS WITH PHYSBUDDY

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OVER 17 YEARS TEACHING EXPERIENCE



PhysBuddy

PHYSICAL SCIENCES

GRADE 11



**BOOST YOUR FINAL MARK
BY 10- 30%**



**BETTER RESULTS FOR
UNIVERSITY AND BURSARY
APPLICATION**

Our Services

- ✓ VIDEO LESSONS
- ✓ EXAM STRATEGY
- ✓ STUDY GUIDES



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**ACE PHYSICS WITH PHYSBUDDY
OVER 17 YEARS TEACHING EXPERIENCE**



PHYSICAL SCIENCES

GR11 2024

30 DAY STUDY PLAN TO ACE THE NOVEMBER FINAL EXAM

GOAL/AIM	<u>TO IMPROVE YOUR SYMBOL</u> We <i>at PhysBuddy</i> believe that there is a 10-30% window of mark increase possibility between the September Exam and the finals Use your time wisely and give it your best shot!
STRATEGY	<u>PRACTICE AS MANY PAST PAPER QUESTIONS AS YOU CAN FOR EACH SECTION</u> <i>PhysBuddy</i> contains A VARIETY of DIFFERENT TYPES of questions for FOR EACH SECTION specifically selected by us from past papers (National and Provincial) including step by step solutions. Complete both books and you are sure to ace it!!
<u>TIME</u>	<ul style="list-style-type: none">• <u>School days - 1 hr physics daily (minimum!)</u>• No school/Weekends – 2 hrs physics daily(minimum!)
<u>DON'T HAVE Physbuddy?</u>	Get a copy from us (physbuddy@gmail.com) OR work through past papers following our section by section guide

FAQ

Is it too late for me to buy and use Physbuddy?

ANSWER

NOT TOO LATE!

It is the best tool to get you prepared for the finals. You will use it EVERYDAY TO PREPARE FOR FINALS

Instead of looking for questions from past papers and guessing which ones are good practice.... Follow our guide!

We have hand -picked a wide variety in of questions from different provinces and years and included them in Physbuddy

Purchase from online store Physbuddy.com Only while stocks last



PhysBuddy

PHYSICAL SCIENCES



NOTE!!

- Use the Physbuddy plan as a GUIDE
- You do not have to follow the same order
- Start with your weakest sections

A blank grid is provided for you at the end to use to plan for YOUR PERSONAL STUDYING

IF YOUR MARK IS UNDER 65%

1. Physbuddy Videos to gain understanding of concepts and to learn exam strategy
2. Practice AT LEAST 3 of EACH QUESTION TYPE in Physbuddy
3. You should soon see an improvement (ia)

IF YOUR MARK IS 65-70%

1. Physbuddy Videos to master weak points
2. Practice ALL the Physbuddy Questionor at least 80%
3. You should soon achieve your A (ia)



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VIDEO LESSONS

Physbuddy.teachable.com

OCT/NOV 2024

R300 FOR 30 DAYS ACCESS

over 100 videos



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MON	TUES	WED	THURS	FRI	SAT	SUN	
9	1 Oct P1 RESULTANT VECTORS	2 P2 REDOX REACTIONS	3 P1 VECTORS IN EQUILIBRIUM	4 P1 NEWTONS LAWS	5 P1 NEWTONS LAWS	6 P1 ELECTRO MAGNETISM	
7 P1 ELECTRO STATICS	8 P1 ELECTRO STATICS	9 P2 REDOX REACTIONS	10 P2 ATOMIC COMBINATIONS	11 P2 ATOMIC COMBINATIONS	12 P1 ELECTRIC CIRCUITS	13 P1 ELECTRIC CIRCUITS	
14 P2 STOICHIO	15 P2 STOICHIO	16 P2 ACIDS/BASES	17 P2 ACIDS/BASES	18 P2 Boyles Law and Ideal gases	19 P2 Energy and change	20 P1 NEWTONS LAWS	
21 P1 ELECTRO STATICS	22 P1 ELECTRIC CIRCUITS	23 P2 ATOMIC COMBINATIONS	24 MULTIPLE CHOICE P2	25 MULTIPLE CHOICE P2	26 27 FULL PAPERS REDO ALL YOUR MARCH, JUNE, SEPT PAPERS		
28 FULL PAPERS 2023 NOV PAPER 1 AND PAPER 2		29 CONGRATULATIONS!! YOU HAVE REACHED THE END OF THE PHYSBUDDY NOV STUDY PLAN YOU SHOULD NOW BE CONFIDANT IN ANSWERING QUESTIONS IN ALL SECTIONS					

Continue daily with at least 30 MIN of Physical Sciences EVERY DAY right until your Physical Sciences Paper
Practice the sections you feel you need more time with and the complete the questions you didn't yet complete
in the PhysBuddy and then tackle more past papers
MAKE SURE TO LEARN DEFINITIONS- approx. 10% of your paper

GR11 PAPER 1 PHYSICS OCT/ NOV 2024 – RECOMMENDED QUESTIONS



TOPIC	CONCEPTS/ QUESTION TYPE	PHYSBUDDY PRACTICE QUESTIONS	PHYSBUDDY VIDEOS
NEWTONS LAWS	Newton 2 Experiment and Grav Law	69,70,71,72,73,74,75 Eg 63,64 108,109,110,111,112,113, 114,115,116,117,118,119	2, 12,13
NEWTONS LAWS	Calculations with ONE OBJECT	Eg 48-56 77,78,79,80,81,82, 83,84,85,86,87	1-6
NEWTONS LAWS	Calculations with TWO OBJECTS/PULLEYS	88,89,90,91,92 93,95,97,98 101,102,103,104	7-11
VECTORS	Resultant vector + vectors in equilibrium	Eg. P7,8,9 18,20,21,22, 23 Eg13,14,25,26,27,28	1-4
VECTORS	Vectors in Equilibrium	29,30,31,32,33,24,34,35 36,38,105,106,107	5
ELECTROSTATICS	Net Force/Field straight Line	Eg 165167 170,172,174,176,180 181,182,183	1-4
ELECTROSTATICS	Net force/field at an angle with Newtons Laws	166,173,175,177,178,179 184,185,186	5-6
ELECTRIC CIRCUITS	Calculations Ohms Law experiment Cost of electricity	222,223,224,225,226 227,228,229,230,231 233,234,235,236,237,238 240,241,242,243	9-12 13-15
ELECTRIC CIRCUITS WITH INTERNAL RESISTANCE	Internal resistance is not in the 2024 Physbuddy Practice from the <u>Physbuddy Booklet -Free download**</u>		
ELECTROMAGNETISM	Right hand rule Faradays law calculations	187-192 195,196	

IT IS BEST TO DO
ALL THE
QUESTIONS IN
PHYSBUDDY FOR
YOUR FINAL
PREP
HOWEVER,
IF YOU CANNOT
DO ALL
THEN **AT LEAST**
PRACTICE THESE
QUESTIONS WITH
UNDERSTANDING

PHYSBUDDY CHECKLIST!!

*TRY TO PRACTICE AS
MANY AS POSSIBLE
FROM EACH QUESTION
TYPE!!!*

GR11 PAPER 2 CHEMISTRY OCT/ NOV 2024 – RECOMMENDED QUESTIONS



TOPIC	CONCEPTS/ QUESTION TYPE	PRACTICE	VIDEOS
STOICHIOMETRY	Limiting reactant, the mole concept Concentration and Dilution Empirical/Molecular Formulae	122,124,125,127,128,130,131,132,133,134, 136,138,139,141 124,125,126,128,135,138 123,126,131,132,136,139,140,126,136	1-5
STOICHIOMETRY	% Yield % Purity Graph interpretation	126,130,131,133,135,136,139 123,127,128,130,131,140 129,134,138,	6-10
ATOMIC COMBINATIONS	Chemical bonding Polarity VSEPR	33,34,35,36,37,38,39,41,42 43,44,45,46,47,48,49,50,51,52,53 54,55,56,57,58,59,60,61,62, 63,64,65,66,67,	1-7
	Intermolecular forces Bond energy		8-10
BOYLES LAW AND IDEAL GASES	Boyles Law (sketch and interpret graphs Ideal gases and $pV = nRT$	78,79,81,82,83,84,85,89, 100,101,102 89,95,96	1,2 5,6,7
ENERGY & CHANGE	Interpret diagram Sketch diagrams Using Bond energy	170,171,174,175,177 169,171,176,179 172 173 178	1-3
ACIDS AND BASES	Conjugate pairs/strong/weak acids and bases and reactions with acids and bases Dilution	148,149,150,151,152,154,155,156, 158,159,160 151,157,160	1-4
ACIDS AND BASES	Acid Base Stoichiometry	148,153,151,154,155,156,157, 158,159,160	1-4
REDOX REACTIONS	Identify oxidising and reducing agents Write half reactions Write balanced reactions	Eg p185/186 187,188,189,190,191, 192 ,193	1-4

IT IS BEST TO DO ALL THE QUESTIONS IN PHYSBUDDY FOR YOUR FINAL PREP HOWEVER, IF YOU CANNOT DO ALL THEN **AT LEAST PRACTICE THESE QUESTIONS WITH UNDERSTANDING**

IMPORTANT! STUDYING FOR THE NOVEMBER EXAM

-YOUR MAIN STUDYING FOR THE NOVEMBER EXAM HAPPENS IN OCTOBER

- November is for revision and writing exams (once exams start – your study time becomes less

and you need to ensure that you get a good rest the night before each exam

During the exam period – while writing other subjects

- Ensure that you keep all your Physical Sciences studying in your memory by revising Phys/sci for at least 20 min daily or every second day at least throughout November until you write Physical Sciences

In this time, you can:

- practice 1 question (different section each day)
- Learn some definitions
- Practice multiple choice

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PHYSICAL SCIENCES

**GR10,11,12
STUDY GUIDES**

FAQ

**IS IT TOO LATE TO PURCHASE
PHYSBUDDY
STUDY GUIDES?**

DEFINITELY NOT TOO LATE!

Instead of practicing random questions,
practice from our hand selected
variety of question types

Use the Step by Step Worked Examples and Memos
to learn exams strategy

**YOU WILL BE USING PHYSBUDDY EVERY DAY
TO PREPARE FOR FINAL EXAMS IN NOVEMBER**

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PHYSICAL SCIENCES

**DIFFERENT TYPES
OF EXAM
QUESTIONS**

**'THE
PHYSBUDDY
CHECKLIST'**

NEWTONS LAWS	
Calculations ????? = ????	
(CALCULATIONS WITH ONE OBJECT)	
Force at an angle/ resolve component	34
Inclined plane	32,33
Vertical forces/object lifted vertically	32
Elevator question	52,53
CALCULATIONS WITH TWO BODY SYSTEMS/ PULLEYS	
1. Both objects on horizontal surface	36,42(EC),43
2. Object hanging vertically and the other object on horizontal surface	35,37,39,40,44,45,48
3. One object on inclined plane and another object on horizontal surface/hanging vertically	46
4. Both objects on inclined plane	38
5. Two objects hanging	40,41(Gr11),42 (GP),50
6. Force at an angle	35,36,39,40,44,47
7. Two objects stacked	53,54
8. Pulleys in Equilibrium	41 (KZN)
NEWTONS GRAVITATIONAL LAW	
Basic calculation	34,43,52
More Challenging	49,50,51

**PAGE
NUMBERS IN
PHYSBUDDY**

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**GR II
VIDEOS**



PHYSICAL SCIENCES

**EXAM STRATEGY
PAST PAPER QUESTIONS
PRO TIPS**

PAPER 1

1. VECTORS
2. NEWTONS LAWS
3. ELECTROSTATICS
4. ELECTRIC CIRCUITS
5. ELECTRODYNAMICS

PAPER 2

1. ATOMIC COMBINATIONS
2. IDEAL GASES AND BOYLES LAW
3. QUANTITATIVE ASPECTS OF CHEMICAL CHANGE/ STOICHIOMETRY
4. ACIDS AND BASES
5. ENERGY AND CHANGE
6. REDOX REACTIONS

OVER 80 VIDEOS

OVER 18 YEARS

TEACHING EXPERIENCE

R300

30 DAY ACCESS

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MON	TUES	WED	THURS	FRI	SAT	SUN
		2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1 NOV		

DREAM BIG,
WORK HARD,
MAKE IT
happen.



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