**PRAKATA**

Alhamdulilllah, Terima kasih kepada rakan-rakan guru dan team sumberpendidikan kerana menyediakan RPT SESI 2025 untuk kegunaan guru-guru di Malaysia.
Muaturun Percuma… **\*\*DILARANG UNTUK MENGAMBIL SEBARANG BENTUK DAN JENIS KEUNTUNGAN DARIPADA PIHAK KAMI DAN WEB INI SAMA ADA SECARA LANGSUNG ATAU TIDAK LANGSUNG.\*\***

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**RPT 2025 SCIENCE YEAR 4 KSSR SEMAKAN**

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| WEEK | CONTENT STANDARD | LEARNING STANDARD | NOTE |
| WEEK 1Kumpulan A16 Februari – 22 Februari 2025Kumpulan B17 Februari – 23 Februari 2025 | * 1. Science Process Skills
 | 1.1.1 Observe by using all the senses involved and tools if necessary to make qualitative observations to explain the phenomena or changes that occur.1.1.2 Classify by comparing or identifying similarities and differences based on common characteristics.1.1.3 Measure and use numbers by using appropriate tools andstandard units with correct techniques.1.1.4 Make inferences by stating the initial conclusion or by giving reasonable explanations for the observation made using the information gathered.. |  |
| WEEK 2Kumpulan A23 Februari – 1 Mac 2025Kumpulan B24 Februari – 2 Mac 2025 |  | 1.1.5 Predict by making reasonable assumptions aboutan event or phenomenon based on observations, prior experiences or data.1.1.6 Communicate by recording information or ideas insuitable forms and presenting them systematically.1.7 Use space - time relationship by arranging occurrences ofphenomenon or event in a chronological order based on time.1.1.8 Interpret data by selecting relevant ideas about anobject, event or trend found in the data to make an explanation. |  |
| WEEK 3Kumpulan A2 Mac – 8 Mac 2025Kumpulan B3 Mac – 9 Mac 2025 |  | . 1.1.9 Define operationally by describing an interpretationof a task carried out and observed in a situation according to determined aspects.1.1.10 Control variables by determining the respondingand constant variables after the manipulated variable in the investigation have been determined.1.1.11 Make a hypothesis by making a general statement that can be tested based onthe relationship between the variables in the investigation.1.1.12 Experiment by using the basic science process skills to collect and interpret data,summarise to prove the hypothesis and write a report. |  |
| WEEK 4Kumpulan A9 Mac – 15 Mac 2025Kumpulan B10 Mac – 16 Mac 2025 | 2.1 Breathing Process | 2.1.1 Identify the organs involved in the breathing process.2.1.2 Describe the breathing process in terms of air passage and exchange of gases in the lungs through observation by using various media. |  |
| WEEK 5Kumpulan A16 Mac – 22 Mac 2025Kumpulan B17 Mac – 23 Mac 2025 |  | 2.1.3 Differentiate the content of oxygen and carbon dioxide during inhalation and exhalation.2.1.4 Describe the chest movement during inhalation and exhalation by carrying out activities.2.1.5 Make generalisation that the rate of breathing depends on the types of activities carried out. |  |
| WEEK 6Kumpulan A23 Mac - 29 Mac 2025Kumpulan B24 Mac - 30 Mac 2025 | 2.2 Excretion and Defecation | 2.2.1 State the meaning of excretion and defecation.2.2.2 Identify the organs and products of excretion. |  |
| WEEK 7Kumpulan A30 Mac - 5 April 2025Kumpulan B31 Mac - 6 April 2025 |  | 2.2.3 Make inferences on the importance to rid products ofexcretion and defecation.2.2.4 Explain the observations on human excretion anddefecation through written or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 8Kumpulan A6 April – 12 April 2025Kumpulan B7 April – 13 April 2025 | 2.3 Humans Respond toStimuli | 2.3.1 State that humans respond when the sensory organs2.3.2 Explain with examples humans respond to stimuli indaily life.2.3.3 Make inferences on the importance of humanresponse to stimuli. |  |
| WEEK 9Kumpulan A13 April – 19 April 2025Kumpulan B14 April – 20 April 2025 |  | 2.3.4 Explain habits that disrupt the process of humanresponse to stimuli.2.3.5 Explain the observations on human response to stimulithrough written or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 10Kumpulan A20 April – 26 April 2025Kumpulan B21 April – 27 April 2025 | 3.1 Breathing organs of animals | 3.1.1 Identify the breathing organs of animals.3.1.2 Classify animals according to their breathing organs.3.1.3 Make generalisation that some animals have morethan one breathing organ. |  |
| WEEK 11Kumpulan A27 April – 3 Mei 2025Kumpulan B28 April – 4 Mei 2025 | 3.2 Vertebrates | 3.2.1 State the meaning of vertebrates andinvertebrates.3.2.2 Give examples of vertebrates andinvertebrates. |  |
| WEEK 12Kumpulan A4 Mei – 10 Mei 2025Kumpulan B5 Mei – 11 Mei 2025 |  | 3.2.3 Classify vertebrates based on specific characteristicsfor mammals, reptiles, amphibians, birds and fish.3.2.4 Explain the observations about vertebrates throughwritten or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 13Kumpulan A11 Mei – 17 Mei 2025Kumpulan B12 Mei – 18 Mei 2025 | 4.1 Plants respond to stimuli | 4.1.1 State that plants respondto stimuli through 1 observation using variousmedia.4.1.2 Relate parts of plants that respond to different typesof stimuli. |  |
| WEEK 14Kumpulan A18 Mei – 24 Mei 2025Kumpulan B19 Mei – 25 Mei 2025 |  | 4.1.3 Conclude that parts of plants respond to stimuli by carrying out investigations. |  |
| WEEK 15Kumpulan A25 Mei – 31 Mei 2025Kumpulan B26 Mei – 1 Jun 2025 | 4.2 Photosynthesis | 4.2.1 State the meaning of photosynthesis.4.2.2 List the needs of plants for the process ofphotosynthesis. |  |
| WEEK 16Kumpulan A8 Jun – 14 Jun 2025Kumpulan B9 Jun – 15 Jun 2025 |  | 4.2.3photosynthesis throughState the products ofobservations using various media.4.2.4 Provide reasoning on the importance ofphotosynthesis for living things.4.2.5 Explain the observations on photosynthesis throughwritten or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 17Kumpulan A15 Jun – 21 Jun 2025Kumpulan B16 Jun – 22 Jun 2025 | 5.1 Light Travels In a Straight Line | 5.1.1 State that light travels in a straight line by carrying outactivities.5.1.2 Compare and contrast the shadows formed when lightis blocked by transparent, translucent and opaque objects by carrying out activities. |  |
| WEEK 18Kumpulan A22 Jun – 28 Jun 2025Kumpulan B23 Jun – 29 Jun 2025 |  | 5.1.3 Carry out experiment to determine the factors that affect the size and shape of the shadow.5.1.4 Explain the observations that light travels in a straight line through written or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 19Kumpulan A29 Jun – 5 Julai 2025Kumpulan B30 Jun – 6 Julai 2025 | 5.2 Reflection of Light | 5.2.1 State that light can be reflected by carrying outactivities.5.2.2 Describe the uses of reflection of light in dailylife.5.2.3 Draw a ray diagram to show the reflection oflight from a mirror.5.2.4 Explain the observations of reflection of lightthrough written or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 20Kumpulan A6 Julai - 12 Julai 2025Kumpulan B7 Julai - 13 Julai 2025 | 5.3 Refraction of Light | 5.3.1 State that light can be refracted, throughobservation using various media.5.3.2 Explain through examples that light can be refractedby carrying out activities.5.3.3 Describe the formation of rainbow by carrying outactivities.5.3.4 Explain the observations on refraction of lightthrough written or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 21Kumpulan A13 Julai – 19 Julai 2025Kumpulan B14 Julai – 20 Julai 2025 | 6.1 Sound | 6.1.1 State that sound is produced by vibrations, by carrying outactivities.6.1.2 Describe that sound travels in all directions. |  |
| WEEK 22Kumpulan A20 Julai – 26 Julai 2025Kumpulan B21 Julai – 27 Julai 2025 |  |  |  |
| WEEK 23Kumpulan A27 Julai – 2 Ogos 2025Kumpulan B28 Julai – 3 Ogos 2025 |  | 6.1.3 Give examples of phenomenon that show sound can be reflected in daily life.6.1.4 Describe the sound that is useful and harmful in daily life.6.1.5 Generate ideas to solve problems in reducing soundpollution. |  |
| WEEK 24Kumpulan A3 Ogos – 9 Ogos 2025Kumpulan B4 Ogos – 10 Ogos 2025 | 7.1 Sources and Forms ofEnergy | 7.1.1 State the meaning of energy.7.1.2 Describe various sources of energy throughobservation using various media.7.1.3 Explain with examples the various forms of energy. |  |
| WEEK 25Kumpulan A10 Ogos – 16 Ogos 2025Kumpulan B11 Ogos – 17 Ogos 2025 |  | 7.1.4 Explain through examples the transformation ofenergy in daily life.7.1.5 Make generalisation that energy cannot be createdor destroyed but can be transformed.7.1.6 Explain the observations on the sources and formsof energy through written or verbal forms, sketches or ICT in a creative wa |  |
| WEEK 26Kumpulan A17 Ogos – 23 Ogos 2025Kumpulan B18 Ogos – 24 Ogos 2025 | 7.2 Renewable and Non-renewableEnergy Source | 7.2.1 Explain with examples renewable and non- renewable energy sources through observation using various media.7.2.2 Generate ideas on the importance of using energy wisely.7.2.3 Explain the observations on renewable and non- renewable energy sources through written or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 27Kumpulan A24 Ogos – 30 Ogos 2025Kumpulan B25 Ogos – 31 Ogos 2025 | 8.1 Basic Sources of Materials | 8.1.1 Explain through examples the basicsources of materials used to make objects. |  |
| WEEK 28Kumpulan A31 Ogos – 6 September 2025Kumpulan B1 September – 7 September 2025 |  | 8.1.2 Classify objects based on basicsources.8.1.3 Explain the observations on thebasic sources of materials through written or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 29Kumpulan A7 September – 13 September 2025Kumpulan B8 September – 14 September 2025 | 8.2 Properties of Materials | 8.2.1 Describe the properties of materials by carrying outactivities.8.2.2 Create an object by applying the knowledge ofproperties of materials. |  |
| WEEK 30Kumpulan A21 September – 27 September 2025Kumpulan B22 September – 28 September 2025 |  | 8.2.3 Provide reasoning on the types of materials chosenin creating the object.8.2.4 Explain the observations on the properties ofmaterials through written or verbal forms, sketches or ICT in a creative way.. |  |
| WEEK 31Kumpulan A28 September – 4 Oktober 2025Kumpulan B29 September – 5 Oktober 2025 | 9.1 Gravity of Earth | 9.1.1 Describe the gravitational pull of Earthbased on observation by carrying out activities.9.1.2 Make generalisation that all objects on Earthremain in their positions, by carrying out activities.9.1.3 Explain the observations on gravity of Earththrough written or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 32Kumpulan A5 Oktober - 11 Oktober 2025Kumpulan B6 Oktober - 12 Oktober 2025 | 9.2 Rotation and Revolution ofEarth | 9.2.1 State that the Earth rotates on its axis and at the sametime revolves around the Sun in its orbit.9.2.2 Describe the rotation and revolution of the Earth interms of direction and duration by carrying out activities. |  |
| WEEK 33Kumpulan A12 Oktober – 18 Oktober 2025Kumpulan B13 Oktober – 19 Oktober 2025 |  | 9.2.3 Describe the effects of the rotation of the Earth on itsaxis by carrying out activities.9.2.4 Explain the observations on the rotation andrevolution of the Earth through written or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 34Kumpulan A19 Oktober – 25 Oktober 2025Kumpulan B20 Oktober – 26 Oktober 2025 | 10.1 Lever | 10.1.1 Identify the load, fulcrum and force on the lever bycarrying out activities. |  |
| WEEK 35Kumpulan A26 Oktober – 1 November 2025Kumpulan B27 Oktober – 2 November 2025 |  | 10.1.2 Make generalisation on the relationship between the distance of load fromfulcrum with the required force.10.1.3 Explain the observations about the lever throughwritten or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 36Kumpulan A2 November – 8 November 2025Kumpulan B3 November – 9 November 2025 | 10.2 Simple Machinesand Complex Machines | 0.2.1 Explain with examples the types and uses ofsimple machines by carrying out activities.10.2.2 Solve problems using two or more simplemachines. |  |
| WEEK 37Kumpulan A9 November – 15 November 2025Kumpulan B10 November – 16November 2025 |  | 10.2.3 Summarise the meaning of complexmachines.10.2.4 Explain the observations of thesimple and complex machines through written or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 38Kumpulan A16 November – 22 November 2025Kumpulan B17 November – 23 November 2025 |  |  |  |
| WEEK 39Kumpulan A23 November – 29 November 2025Kumpulan B24 November – 30 November 2025 |  |  |  |
| WEEK 40Kumpulan A30 November – 6 Disember 2025Kumpulan B31 November – 7 Disember 2025 |  |  |  |
| WEEK 41Kumpulan A7 Disember - 13 Disember 2025Kumpulan B8 Disember - 14 Disember 2025 |  |  |  |
| WEEK 42Kumpulan A14 Disember – 20 Disember 2025Kumpulan B15 Disember – 21 Disember 2025 |  |  |  |