**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 1  Kumpulan A  16 Februari – 22 Februari 2025  Kumpulan B  17 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 and  standard 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 2  Kumpulan A  23 Februari – 1 Mac 2025  Kumpulan B  24 Februari – 2 Mac 2025 |  | 1.1.5 Predict by making reasonable assumptions about  an event or phenomenon based on observations, prior experiences or data.  1.1.6 Communicate by recording information or ideas in  suitable forms and presenting them systematically  .1.7 Use space - time relationship by arranging occurrences of  phenomenon or event in a chronological order based on time.  1.1.8 Interpret data by selecting relevant ideas about an  object, event or trend found in the data to make an explanation. |  |
| WEEK 3  Kumpulan A  2 Mac – 8 Mac 2025  Kumpulan B  3 Mac – 9 Mac 2025 |  | . 1.1.9 Define operationally by describing an interpretation  of a task carried out and observed in a situation according to determined aspects.  1.1.10 Control variables by determining the responding  and 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 on  the 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 4  Kumpulan A  9 Mac – 15 Mac 2025  Kumpulan B  10 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 5  Kumpulan A  16 Mac – 22 Mac 2025  Kumpulan B  17 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 6  Kumpulan A  23 Mac - 29 Mac 2025  Kumpulan B  24 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 7  Kumpulan A  30 Mac - 5 April 2025  Kumpulan B  31 Mac - 6 April 2025 |  | 2.2.3 Make inferences on the importance to rid products of  excretion and defecation.  2.2.4 Explain the observations on human excretion and  defecation through written or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 8  Kumpulan A  6 April – 12 April 2025  Kumpulan B  7 April – 13 April 2025 | 2.3 Humans Respond to  Stimuli | 2.3.1 State that humans respond when the sensory organs  2.3.2 Explain with examples humans respond to stimuli in  daily life.  2.3.3 Make inferences on the importance of human  response to stimuli. |  |
| WEEK 9  Kumpulan A  13 April – 19 April 2025  Kumpulan B  14 April – 20 April 2025 |  | 2.3.4 Explain habits that disrupt the process of human  response to stimuli.  2.3.5 Explain the observations on human response to stimuli  through written or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 10  Kumpulan A  20 April – 26 April 2025  Kumpulan B  21 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 more  than one breathing organ. |  |
| WEEK 11  Kumpulan A  27 April – 3 Mei 2025  Kumpulan B  28 April – 4 Mei 2025 | 3.2 Vertebrates | 3.2.1 State the meaning of vertebrates and  invertebrates.  3.2.2 Give examples of vertebrates and  invertebrates. |  |
| WEEK 12  Kumpulan A  4 Mei – 10 Mei 2025  Kumpulan B  5 Mei – 11 Mei 2025 |  | 3.2.3 Classify vertebrates based on specific characteristics  for mammals, reptiles, amphibians, birds and fish.  3.2.4 Explain the observations about vertebrates through  written or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 13  Kumpulan A  11 Mei – 17 Mei 2025  Kumpulan B  12 Mei – 18 Mei 2025 | 4.1 Plants respond to stimuli | 4.1.1 State that plants respond  to stimuli through 1 observation using various  media.  4.1.2 Relate parts of plants that respond to different types  of stimuli. |  |
| WEEK 14  Kumpulan A  18 Mei – 24 Mei 2025  Kumpulan B  19 Mei – 25 Mei 2025 |  | 4.1.3 Conclude that parts of plants respond to stimuli by carrying out investigations. |  |
| WEEK 15  Kumpulan A  25 Mei – 31 Mei 2025  Kumpulan B  26 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 of  photosynthesis. |  |
| WEEK 16  Kumpulan A  8 Jun – 14 Jun 2025  Kumpulan B  9 Jun – 15 Jun 2025 |  | 4.2.3  photosynthesis through  State the products of  observations using various media.  4.2.4 Provide reasoning on the importance of  photosynthesis for living things.  4.2.5 Explain the observations on photosynthesis through  written or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 17  Kumpulan A  15 Jun – 21 Jun 2025  Kumpulan B  16 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 out  activities.  5.1.2 Compare and contrast the shadows formed when light  is blocked by transparent, translucent and opaque objects by carrying out activities. |  |
| WEEK 18  Kumpulan A  22 Jun – 28 Jun 2025  Kumpulan B  23 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 19  Kumpulan A  29 Jun – 5 Julai 2025  Kumpulan B  30 Jun – 6 Julai 2025 | 5.2 Reflection of Light | 5.2.1 State that light can be reflected by carrying out  activities.  5.2.2 Describe the uses of reflection of light in daily  life.  5.2.3 Draw a ray diagram to show the reflection of  light from a mirror.  5.2.4 Explain the observations of reflection of light  through written or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 20  Kumpulan A  6 Julai - 12 Julai 2025  Kumpulan B  7 Julai - 13 Julai 2025 | 5.3 Refraction of Light | 5.3.1 State that light can be refracted, through  observation using various media.  5.3.2 Explain through examples that light can be refracted  by carrying out activities.  5.3.3 Describe the formation of rainbow by carrying out  activities.  5.3.4 Explain the observations on refraction of light  through written or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 21  Kumpulan A  13 Julai – 19 Julai 2025  Kumpulan B  14 Julai – 20 Julai 2025 | 6.1 Sound | 6.1.1 State that sound is produced by vibrations, by carrying out  activities.  6.1.2 Describe that sound travels in all directions. |  |
| WEEK 22  Kumpulan A  20 Julai – 26 Julai 2025  Kumpulan B  21 Julai – 27 Julai 2025 |  |  |  |
| WEEK 23  Kumpulan A  27 Julai – 2 Ogos 2025  Kumpulan B  28 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 sound  pollution. |  |
| WEEK 24  Kumpulan A  3 Ogos – 9 Ogos 2025  Kumpulan B  4 Ogos – 10 Ogos 2025 | 7.1 Sources and Forms of  Energy | 7.1.1 State the meaning of energy.  7.1.2 Describe various sources of energy through  observation using various media.  7.1.3 Explain with examples the various forms of energy. |  |
| WEEK 25  Kumpulan A  10 Ogos – 16 Ogos 2025  Kumpulan B  11 Ogos – 17 Ogos 2025 |  | 7.1.4 Explain through examples the transformation of  energy in daily life.  7.1.5 Make generalisation that energy cannot be created  or destroyed but can be transformed.  7.1.6 Explain the observations on the sources and forms  of energy through written or verbal forms, sketches or ICT in a creative wa |  |
| WEEK 26  Kumpulan A  17 Ogos – 23 Ogos 2025  Kumpulan B  18 Ogos – 24 Ogos 2025 | 7.2 Renewable and Non-renewable  Energy 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 27  Kumpulan A  24 Ogos – 30 Ogos 2025  Kumpulan B  25 Ogos – 31 Ogos 2025 | 8.1 Basic Sources of Materials | 8.1.1 Explain through examples the basic  sources of materials used to make objects. |  |
| WEEK 28  Kumpulan A  31 Ogos – 6 September 2025  Kumpulan B  1 September – 7 September 2025 |  | 8.1.2 Classify objects based on basic  sources.  8.1.3 Explain the observations on the  basic sources of materials through written or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 29  Kumpulan A  7 September – 13 September 2025  Kumpulan B  8 September – 14 September 2025 | 8.2 Properties of Materials | 8.2.1 Describe the properties of materials by carrying out  activities.  8.2.2 Create an object by applying the knowledge of  properties of materials. |  |
| WEEK 30  Kumpulan A  21 September – 27 September 2025  Kumpulan B  22 September – 28 September 2025 |  | 8.2.3 Provide reasoning on the types of materials chosen  in creating the object.  8.2.4 Explain the observations on the properties of  materials through written or verbal forms, sketches or ICT in a creative way.. |  |
| WEEK 31  Kumpulan A  28 September – 4 Oktober 2025  Kumpulan B  29 September – 5 Oktober 2025 | 9.1 Gravity of Earth | 9.1.1 Describe the gravitational pull of Earth  based on observation by carrying out activities.  9.1.2 Make generalisation that all objects on Earth  remain in their positions, by carrying out activities.  9.1.3 Explain the observations on gravity of Earth  through written or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 32  Kumpulan A  5 Oktober - 11 Oktober 2025  Kumpulan B  6 Oktober - 12 Oktober 2025 | 9.2 Rotation and Revolution of  Earth | 9.2.1 State that the Earth rotates on its axis and at the same  time revolves around the Sun in its orbit.  9.2.2 Describe the rotation and revolution of the Earth in  terms of direction and duration by carrying out activities. |  |
| WEEK 33  Kumpulan A  12 Oktober – 18 Oktober 2025  Kumpulan B  13 Oktober – 19 Oktober 2025 |  | 9.2.3 Describe the effects of the rotation of the Earth on its  axis by carrying out activities.  9.2.4 Explain the observations on the rotation and  revolution of the Earth through written or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 34  Kumpulan A  19 Oktober – 25 Oktober 2025  Kumpulan B  20 Oktober – 26 Oktober 2025 | 10.1 Lever | 10.1.1 Identify the load, fulcrum and force on the lever by  carrying out activities. |  |
| WEEK 35  Kumpulan A  26 Oktober – 1 November 2025  Kumpulan B  27 Oktober – 2 November 2025 |  | 10.1.2 Make generalisation on the relationship between the distance of load from  fulcrum with the required force.  10.1.3 Explain the observations about the lever through  written or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 36  Kumpulan A  2 November – 8 November 2025  Kumpulan B  3 November – 9 November 2025 | 10.2 Simple Machines  and Complex Machines | 0.2.1 Explain with examples the types and uses of  simple machines by carrying out activities.  10.2.2 Solve problems using two or more simple  machines. |  |
| WEEK 37  Kumpulan A  9 November – 15 November 2025  Kumpulan B  10 November – 16November 2025 |  | 10.2.3 Summarise the meaning of complex  machines.  10.2.4 Explain the observations of the  simple and complex machines through written or verbal forms, sketches or ICT in a creative way. |  |
| WEEK 38  Kumpulan A  16 November – 22 November 2025  Kumpulan B  17 November – 23 November 2025 |  |  |  |
| WEEK 39  Kumpulan A  23 November – 29 November 2025  Kumpulan B  24 November – 30 November 2025 |  |  |  |
| WEEK 40  Kumpulan A  30 November – 6 Disember 2025  Kumpulan B  31 November – 7 Disember 2025 |  |  |  |
| WEEK 41  Kumpulan A  7 Disember - 13 Disember 2025  Kumpulan B  8 Disember - 14 Disember 2025 |  |  |  |
| WEEK 42  Kumpulan A  14 Disember – 20 Disember 2025  Kumpulan B  15 Disember – 21 Disember 2025 |  |  |  |