**PRAKATA**

Alhamdulilllah, Terima kasih kepada rakan-rakan guru dan team sumberpendidikan kerana menyediakan RPT 2023/2024 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 2023/2024 SCIENCE YEAR 4 KSSR SEMAKAN**

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| WEEK | CONTENT STANDARD | LEARNING STANDARD | NOTE |
| WEEK 1KUMPULAN A19 March – 23 March 2024KUMPULAN B20 March – 24 March 2024 | * 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 A26 March – 30 March 2023KUMPULAN B27 March – 31 March 2023 |  | 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 April – 6 April 2023KUMPULAN B3 April – 7 April 2023 |  | . 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 April – 13 April 2023KUMPULAN B10 April – 14 April 2023 | 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 April – 20 AprilKUMPULAN B17 April – 21 April |  | 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. |  |
| KUMPULAN A23 April – 27 April 2023KUMPULAN B24 April – 28 April 2023 | **Cuti Pertengahan Penggal 1** |  |  |
| WEEK 6KUMPULAN A30 April – 4 May 2023KUMPULAN B1 May – 5 May 2023 | 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 A7 May – 11 May 2023KUMPULAN B8 May – 12 May 2023 |  | 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 A14 May – 18 May 2023KUMPULAN B15 May – 19 May 2023 | 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 A21 May – 25 May 2023KUMPULAN B22 May – 26 May 2023 |  | 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. |  |
| KUMPULAN A28 May – 1 June 2023KUMPULAN B29 May – 2 June 2023 | **Cuti Penggal 1** |  |  |
| WEEK 10KUMPULAN A4 June – 8 June 2023KUMPULAN B5 June – 9 June 2023 | 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 A11 June – 15 June 2023KUMPULAN B12 June – 16 June 2023 | 3.2 Vertebrates | 3.2.1 State the meaning of vertebrates andinvertebrates.3.2.2 Give examples of vertebrates andinvertebrates. |  |
| WEEK 12KUMPULAN A18 – 22 June 2023KUMPULAN B19 – 23 June 2023 |  | 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 A25 June – 29 June 2023KUMPULAN B26 June – 30 June 2023 | 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 A2 July – 6 July 2023KUMPULAN B3 July – 7 July 2023 |  | 4.1.3 Conclude that parts of plants respond to stimuli by carrying out investigations. |  |
| WEEK 15KUMPULAN A9 July – 13 July 2023KUMPULAN B10 July – 14 July 2023 | 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 A16 July – 20 July 2023KUMPULAN B17 July – 21 July 2023 |  | 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 A23 July – 27 July 2023KUMPULAN B24 July – 28 July 2023 | 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 A30 July – 3 August 2023KUMPULAN B31 July – 4 August 2023 |  | 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 A6 August – 10 August 2023KUMPULAN B7 August – 11 August 2023 | 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 A13 August – 17 August 2023KUMPULAN B14 August – 18 August 2023 | 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 A20 August – 24 August 2023KUMPULAN B21 August – 25 August 2023 |  |  |  |
| KUMPULAN A27 August – 31 August 2023KUMPULAN B28 August – 1 Sept 2023 | **Cuti Penggal 2** |  |  |
| WEEK 22KUMPULAN A3 Sept – 7 Sept 2023KUMPULAN B4 Sept – 8 Sept 2023 | 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 23KUMPULAN A10 Sept – 14 Sept 2023KUMPULAN B11 Sept – 15 Sept 2023 |  | 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 A17 Sept – 21 Sept 2023KUMPULAN B18 Sept – 22 Sept 2023 | 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 A24 Sept – 28 Sept 2023KUMPULAN B25 Sept – 29 Sept 2023 |  | 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 A1 Oktober – 5 Oktober 2023KUMPULAN B2 Oktober – 6 Oktober 2023 | 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 A8 Oktober – 12 Oktober 2023KUMPULAN B9 Oktober – 13 Oktober 2023 | 8.1 Basic Sources of Materials | 8.1.1 Explain through examples the basicsources of materials used to make objects. |  |
| WEEK 28KUMPULAN A15 Oktober – 19 Oktober 2023KUMPULAN B16 Oktober – 20 Oktober 2023 |  | 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 A22 Oktober – 26 Oktober 2023KUMPULAN B23 Oktober – 27 Oktober 2023 | 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 A29 Oktober – 2 November 2023KUMPULAN B30 Oktober – 3 November 2023 |  | 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 A5 November – 9 November 2023KUMPULAN B6 November – 10 November 2023 | 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 A12 November –16 November 2023KUMPULAN B13 November –17 November 2023 | 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 A19 November – 23 November 2023KUMPULAN B20 November – 24 November 2023 |  | 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 A26 November – 30 November 2023KUMPULAN B27 November – 1 December 2023 | 10.1 Lever | 10.1.1 Identify the load, fulcrum and force on the lever bycarrying out activities. |  |
| WEEK 35KUMPULAN A3 December – 7 December 2023KUMPULAN B4 December – 8 December 2023 |  | 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 A10 December – 14 December 2023KUMPULAN B11 December – 15 December 2023 | 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. |  |
| KUMPULAN A17 December – 21 December 2023KUMPULAN B18 December – 22 December 2023 | **Cuti Penggal 3** |  |  |
| KUMPULAN A24 December – 28 December 2023KUMPULAN B25 December – 29 December 2023 | **Cuti Penggal 3** |  |  |
| WEEK 37KUMPULAN A31 December –4 January 2024KUMPULAN B1 January –5 January 2024 |  | 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 A7 January – 11 January 2024KUMPULAN B8 January – 12 January 2024 |  |  |  |
| WEEK 39KUMPULAN A14 January – 18 January 2024KUMPULAN B15 January – 19 January 2024 |  |  |  |
| WEEK 40KUMPULAN A21 January – 25 January 2024KUMPULAN B22 January – 26 January 2024 |  |  |  |
| WEEK 41KUMPULAN A28 January – 1 February 2024KUMPULAN B29 January – 2 February 2024 |  |  |  |