

## Mapping Document of Broad Learning Outcomes in Year 5

This document highlights opportunities for assessment from the Student’s Resource Pack for Year 5. The first three columns specify details re the activity/task in the pack. The last column identifies which of the 7 Broad Learning Outcomes may be assessed during that specific activity. It is suggested that these activities/tasks are used for Continuous Assessment which amounts to 60% of the final global mark.

Learning Outcome 2: How do we stay alive?			
Task	LO	Page No.	BLO/s that may be assessed.
<b>Activity 1:</b> Determine whether each object is a living or a non-living thing. <b>Activity 2:</b> Sorting living and non-living things.	5.2.1	5 - 6	5.1.5 I can record observations in a simple format. 5.1.6 I can make simple conclusions from my direct observations and link these using key scientific terms. 5.1.7 I can apply scientific knowledge to practical situations.
<b>Research:</b> Characteristics of living things.	5.2.1	7	5.1.1 I can ask questions about the world around me. 5.1.2 I can find out about a simple scientific idea.
<b>Observation sheet:</b> Draw and label diagrams to show the growth and changes observed in a living thing.	5.2.1	8	5.1.5 I can record observations in a simple format.



<b>Activity 3:</b> Sorting of vertebrates and invertebrates.	5.2.2	9-11	5.1.5 I can record observations in a simple format.
<b>Activity 5:</b> Classifying animals	5.2.4	17	5.1.5 I can record observations in a simple format. 5.1.7 I can apply scientific knowledge to practical situations.
<b>Activity 6:</b> Research similarities and differences between two animals (vertebrates) including e.g. humans	5.2.5	20	5.1.1 I can ask questions about the world around me. 5.1.2 I can find out about a simple scientific idea.
<b>Activity 7:</b> Place the Life cycle stages in order. <b>Activity 8:</b> Naming the stages of the life cycle of a frog.	5.2.6	22 - 23	5.1.5 I can record observations in a simple format. 5.1.7 I can apply scientific knowledge to practical situations.

### Learning Outcome 3: How do we keep fit and healthy?

Task	LO	Page No.	BLO/s that may be assessed.
<b>Research:</b> Useful Microbes	5.3.2	28	5.1.1 I can ask questions about the world around me. 5.1.2 I can find out a simple scientific idea.
<b>Activity 1:</b> Food Handling Hygiene	5.3.3	31	5.1.7 I can apply knowledge to practical situations.

<b>Horrid Hands – Investigation</b>	5.3.3	32 – 33	5.1.3 I can make a prediction about a situation from a limited number of options. 5.1.4 I can carry out a simple practical investigation, which involves up to two variables being investigated separately, with the teacher’s support. 5.1.5 I can record observations in a simple format. 5.1.6 I can make simple conclusions from my direct observations.
<b>Investigation: Super Sneezes</b>	5.3.3	34	5.1.4 I can carry out a simple practical investigation, which involves up to two variables being investigated separately, with the teacher’s support. 5.1.5 I can record observations in a simple format. 5.1.6 I can make simple conclusions from my direct observations.
<b>Investigation: How do germs spread out?</b>	5.3.3	35 – 36	5.1.3 I can make a prediction about a situation from a limited number of options. 5.1.4 I can carry out a simple practical investigation, which involves up to two variables being investigated separately, with the teacher’s support. 5.1.6 I can make simple conclusions from my direct observations.

### Learning Outcome 4: How do our senses help us gather information? (4.1 – 4.3 Sound)

Task	LO	Page No.	BLO/s that may be assessed.
<b>Investigation:</b> What I see and hear when a ruler vibrates.	5.4.1	38	5.1.5 I can record observations in a simple format. 5.1.6 I can make simple conclusions from my direct observations and link these using key scientific terms. 5.1.7 I can apply scientific knowledge to practical situations.

<b>Investigation:</b> What I see when a tuning fork vibrates on a solid surface and in water.			
<b>Activity:</b> How Sound travels	5.4.2	39	<p>5.1.3 I can use basic scientific knowledge to predict the outcome to an investigation.</p> <p>5.1.4 I can carry out a simple practical investigation, which involves up to two variables being investigated separately, with the teacher's support.</p> <p>5.1.5 I can record observations in a simple format.</p> <p>5.1.6 I can make simple conclusions from my direct observations and link these using key scientific terms.</p>
<b>Activity:</b> Fill in the blanks with the words provided	5.4.2	40	<p>5.1.6 I can make simple conclusions from my direct observations and link these using key scientific terms.</p> <p>5.1.7 I can apply scientific knowledge to practical situations.</p>
<b>Investigation 1:</b> Rice-Drum Activity	5.4.2	41	<p>5.1.1 I can ask questions about the world around me.</p> <p>5.1.2 I can find out about a simple scientific idea.</p> <p>5.1.3 I can use basic scientific knowledge to predict the outcome to an investigation.</p> <p>5.1.4 I can carry out a simple practical investigation, which involves up to two variables being investigated separately, with the teacher's support.</p> <p>5.1.5 I can record observations in a simple format.</p> <p>5.1.6 I can make simple conclusions from my direct observations and link these using key scientific terms.</p> <p>5.1.7 I can apply scientific knowledge to practical situations.</p>

<b>Investigation 2: String Telephone</b>	5.4.2	42 - 43	5.1.1 I can ask questions about the world around me. 5.1.2 I can find out about a simple scientific idea. 5.1.3 I can use basic scientific knowledge to predict the outcome to an investigation. 5.1.4 I can carry out a simple practical investigation, which involves up to two variables being investigated separately, with the teacher's support. 5.1.5 I can record observations in a simple format. 5.1.6 I can make simple conclusions from my direct observations and link these using key scientific terms. 5.1.7 I can apply scientific knowledge to practical situations.
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### Learning Outcome 4: How do our senses help us gather information? (4.4 – 4.6 Light)

Task	LO	Page No.	BLO/s that may be assessed.
<b>Activity 1a:</b> Sorting objects into luminous / reflectors	5.4.5	47	5.1.7 I can apply scientific knowledge to practical situations.
<b>Activity 1b:</b> The Moon	5.4.5		5.1.1 I can ask questions about the world around me. 5.1.2 I can find out about a simple scientific idea. 5.1.6 I can make simple conclusions from my direct observations and link these using key scientific terms. 5.1.7 I can apply scientific knowledge to practical situations.
<b>Activity 1c:</b> Natural and Artificial Sources of Light	5.4.5		5.1.1 I can ask questions about the world around me. 5.1.2 I can find out about a simple scientific idea. 5.1.5 I can record observations in a simple format.

			<p>5.1.6 I can make simple conclusions from my direct observations and link these using key scientific terms.</p> <p>5.1.7 I can apply scientific knowledge to practical situations.</p>
<b>Investigation 1:</b> How Light Travels	5.4.4	48 - 49	<p>5.1.1 I can ask questions about the world around me.</p> <p>5.1.2 I can find out about a simple scientific idea.</p> <p>5.1.3 I can use basic scientific knowledge to predict the outcome to an investigation.</p> <p>5.1.4 I can carry out a simple practical investigation, which involves up to two variables being investigated separately, with the teacher's support.</p> <p>5.1.5 I can record observations in a simple format.</p> <p>5.1.6 I can make simple conclusions from my direct observations and link these using key scientific terms.</p> <p>5.1.7 I can apply scientific knowledge to practical situations.</p>
<b>Investigation 2:</b> How do we see things?	5.4.5	50 - 51	<p>5.1.1 I can ask questions about the world around me.</p> <p>5.1.2 I can find out about a simple scientific idea.</p> <p>5.1.3 I can use basic scientific knowledge to predict the outcome to an investigation.</p> <p>5.1.4 I can carry out a simple practical investigation, which involves up to two variables being investigated separately, with the teacher's support.</p> <p>5.1.5 I can record observations in a simple format.</p> <p>5.1.6 I can make simple conclusions from my direct observations and link these using key scientific terms.</p> <p>5.1.7 I can apply scientific knowledge to practical situations.</p>
<b>Activity 2 (a - c):</b> How we see things	5.4.5	52	<p>5.1.1 I can ask questions about the world around me.</p> <p>5.1.2 I can find out about a simple scientific idea.</p>

			<p>5.1.3 I can use basic scientific knowledge to predict the outcome to an investigation.</p> <p>5.1.5 I can record observations in a simple format.</p> <p>5.1.6 I can make simple conclusions from my direct observations and link these using key scientific terms.</p> <p>5.1.7 I can apply scientific knowledge to practical situations.</p>
<b>Activity:</b> The Journey of Light	5.4.4	53	<p>5.1.3 I can use basic scientific knowledge to predict the outcome to an investigation.</p> <p>5.1.5 I can record observations in a simple format.</p> <p>5.1.6 I can make simple conclusions from my direct observations and link these using key scientific terms.</p> <p>5.1.7 I can apply scientific knowledge to practical situations.</p>
<b>Activity:</b> Protecting our Eyes	5.4.6	54	<p>5.1.1 I can ask questions about the world around me.</p> <p>5.1.6 I can make simple conclusions from my direct observations and link these using key scientific terms.</p> <p>5.1.7 I can apply scientific knowledge to practical situations.</p>

### Learning Outcome 5: What is energy?

Task	LO	Page No.	BLO/s that may be assessed.
<b>Forms of energy</b>	5.5.2	58	5.1.7 I can apply knowledge to practical situations.
<b>Investigation:</b> Transfer of Energy	5.5.2	59 - 61	5.1.3 I can make a prediction about a situation from a limited number of options.

			5.1.4 I can carry out a simple practical investigation, which involves up to two variables being investigated separately, with the teacher's support. 5.1.5 I can record observations in a simple format. 5.1.6 I can make simple conclusions from my direct observations.
<b>Research:</b> Scientists who were responsible for various electrical discoveries	5.5.3	62	5.1.1 I can ask questions about the world around me. 5.1.2 I can find out a simple scientific idea.

### Learning Outcome 6: What are things made of? (5.6.1 - 5.6.2 Magnetism)

Task	LO	Page No.	BLO/s that may be assessed.
<b>Investigation:</b> Which materials are magnetic or non-magnetic?	5.6.1	65 - 66	5.1.1 I can ask questions about the world around me. 5.1.3 I can make a prediction about a situation from a limited number of options. 5.1.4 I can carry out a simple practical investigation, which involves up to two variables being investigated separately, with the teacher's support. 5.1.5 I can record observations in a simple format. 5.1.6 I can make simple conclusions from my direct observations.
<b>Design and make a game</b> which involves the use of magnets.	5.6.2	67	5.1.7 I can apply knowledge to practical situations.

### Learning Outcome 6: What are things made of? (5.6.3-5.6.4 Mixtures and Solutions)

Task	LO	Page No.	BLO/s that may be assessed.
<b>Activity 1:</b> Soil Sample	5.6.3	70	5.1.5 I can record observations in a simple format. 5.1.6 I can make simple conclusions from my direct observations.
<b>Activity 2:</b> Mixtures or Solutions	5.6.3	71	5.1.6: I can make simple conclusions from my direct observations.
<b>Investigation:</b> Soluble and insoluble substances in water.	5.6.4	72 - 73	5.1.1 I can ask questions about the world around me. 5.1.3 I can make a prediction about a situation from a limited number of options. 5.1.4 I can carry out a simple practical investigation, which involves up to two variables being investigated separately, with the teacher's support. 5.1.5 I can record observations in a simple format. 5.1.6 I can make simple conclusions from my direct observations.

### Learning Outcome 6: What are things made of? (5.6.5–5.6.6 Separation Techniques)

Task	LO	Page No.	BLO/s that may be assessed.
<b>Activity 3:</b> Separating Mixtures – Exploration Recording Sheet	5.6.5	76	5.1.5 I can record observations in a simple format. 5.1.6 I can make simple conclusions from my direct observations. 5.1.7 I can apply scientific knowledge to practical situations.
Separating Mixtures	5.6.5	77	5.1.7 I can apply scientific knowledge to practical situations.
<b>Research:</b> Type of separation techniques	5.6.6	78	5.1.1 I can ask questions about the world around me. 5.1.2 I can find out a simple scientific idea.

## Learning Outcome 7: How does planet Earth support life?

Task	LO	Page No.	BLO/s that may be assessed.
KWL Chart	5.7.1	80	5.1.1 I can ask questions about the world around me. 5.1.2 I can find out a simple scientific idea.
<b>Activity 2:</b> Seed Dispersal	5.7.1	82	5.1.2 I can find out a simple scientific idea.
<b>Investigating</b> Seed Dispersal	5.7.1	83 - 84	5.1.3 I can make a prediction about a situation from a limited number of options. 5.1.4 I can carry out a simple practical investigation, which involves up to two variables being investigated separately, with the teacher's support. 5.1.5 I can record observations in a simple format. 5.1.6 I can make simple conclusions from my direct observations.
<b>Research:</b> Professions related to the world of plants	5.7	87	5.1.1 I can ask questions about the world around me. 5.1.2 I can find out a simple scientific idea.
<b>Investigation:</b> Soil	5.7.3	89 - 92	5.1.3 I can make a prediction about a situation from a limited number of options. 5.1.4 I can carry out a simple practical investigation, which involves up to two variables being investigated separately, with the teacher's support. 5.1.5 I can record observations in a simple format. 5.1.6 I can make simple conclusions from my direct observations.
Human Intervention	5.7.4	94 - 99	5.1.7 I can apply scientific knowledge to practical situations.
<b>Research:</b> Endangered plant or animal	5.7.5	100	5.1.1 I can ask questions about the world around me. 5.1.2 I can find out a simple scientific idea.
<b>Poster</b> designing	5.7.4	101	5.1.7 I can apply scientific knowledge to practical situations.

Newspaper article/dialogue/email	5.7.4-5	102	5.1.1 I can ask questions about the world around me. 5.1.2 I can find out a simple scientific idea. 5.1.7 I can apply scientific knowledge to practical situations.
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### Learning Outcome 8: How do things move?

Task	LO	Page No.	BLO/s that may be assessed.
<b>Investigation:</b> Investigating Our Skeleton	5.8.1 5.8.2	107 - 108	5.1.1 I can ask questions about the world around me. 5.1.2 I can find out about a simple scientific idea. 5.1.3 I can use basic scientific knowledge to predict the outcome to an investigation. 5.1.4 I can carry out a simple practical investigation, which involves up to two variables being investigated separately, with the teacher's support. 5.1.5 I can record observations in a simple format. 5.1.6 I can make simple conclusions from my direct observations and link these using key scientific terms. 5.1.7 I can apply scientific knowledge to practical situations.
<b>Activity:</b> Research X-Ray Machines	5.8.3	109	5.1.1 I can ask questions about the world around me. 5.1.2 I can find out about a simple scientific idea.
<b>Activity 1:</b> My Own Skeleton (Cut out and put together a skeleton)	5.8.1	111	5.1.6 I can make simple conclusions from my direct observations and link these using key scientific terms.

## Learning Outcome 5.9: What is there out in space?

Task	LO	Page No.	BLO/s that may be assessed.
<b>Activity 1 - 3:</b> Earth's rotation and revolution ( <i>and their effect</i> )	5.9.3	114 - 119	5.1.1 I can ask questions about the world around me. 5.1.2 I can find out a simple scientific idea.
<b>Research:</b> The Seasons		120	