## CfE Curricular Mapping Tool - 3rd/4th Level









### **CfE Curricular Mapping Tool - 3rd Level Biology**



| Experiences & Outcomes | SSERC Resources   |
|------------------------|---|
| SCN 3-01a /<br>4-01a   | <ul> <li>Explore Our World - Challenge <u>ONE</u>, <u>TWO</u> or <u>THREE</u></li> <li><u>How to Sample</u></li> <li><u>Biology on your doorstep</u> (PPT) and <u>worksheet</u></li> <li><u>Producing a key</u></li> <li><u>Hard-wired brains</u>: effect of light on maggot behaviour</li> </ul> |
| SCN 3-02a              | <ul> <li><u>Investigating Photosynthesis using Spinach Discs</u></li> <li><u>Photosynthesis using immobilised algae</u></li> <li>Photosynthesis using <u>Cabomba</u> or <u>Egeria</u></li> <li><u>Using seaweed to measure photosynthesis</u></li> </ul>  |
|                        |   |

SCN 4-02b

- Our Growing Brain: exercise and the brain
- Immobilised algae and respiration
- <u>Dehydrogenase activity in yeast (colour-reaction)</u>



#### CfE Curricular Mapping Tool - 3rd Level Biology



# Experiences & Outcomes

#### **SSERC Resources**

SCN 3-03a / 4-03a • Effect of fertilisers on algae growth: Method and Results file

• Compost Capers

- Exploring Fertilisers mung bean nutrient deficiency: Investigation guide, <u>Teacher and Tech guide</u>
- Discussion activity: Food security, Moredun Info



## **CfE Curricular Mapping Tool - Biology**

| Experiences & Outcomes | SSERC Resources  |
|------------------------|--|
| SCN 3-12a /<br>4-12a   | <ul> <li>A Focus on Eyes</li> <li>One Vision - using smartphones to explore colour vision</li> <li>Our Growing Brain: Merge Cube</li> <li>Breakdown of starch by diastase: Teacher guide,     Technician guide, Pupil materials</li> <li>Microscale Biology - Titration</li> </ul> |
| SCN 3-12b /<br>4-12b   | <ul> <li>In the Zone resource pack</li> <li>Our Growing Brain: effect of light on maggot behaviour</li> <li>Turn alternation in woodlice</li> </ul>  |
| SCN 3-13a /<br>4-13a   | <ul> <li>Our World Through a Lens</li> <li>Plasmolysis using digital microscopy and film</li> <li>Investigating Microorganisms (protocol 3)</li> </ul>   |
| SCN 3-13b /<br>4-13b   | <ul> <li><u>Investigating Microorganisms</u></li> <li><u>Microscale Biology</u> - enzyme studies</li> </ul>  |





## **CfE Curricular Mapping Tool - Biology**

| <b>Experiences</b> | & |
|--------------------|---|
| Outcomes           |   |

#### **SSERC** Resources

SCN 3-14a / 4-14a

Making Reebops: <u>PPT</u>, <u>protocol</u>

SCN 3-14b / 4-14b

- DNA Extraction: protocol
- Wizard Genes: PPT, protocol, Tech guide, battery-free
- Genetic dilemmas: <u>Pupil cards</u>, <u>Teacher guide</u>, <u>Pupil info</u>
- Let's Talk Biobanking: <u>Help cards</u>, <u>Info</u> cards, <u>Worksheet</u>
- 2023 Update to the Wizard Genes practical using alternative food dyes - Whodunnit?







#### **CfE Curricular Mapping Tool - Biology**

#### **Experiences & Outcomes**

#### **SSERC** Resources

SCN 3-20a / 4-20a

- Our World Through a Lens: page 5
- STEM Ambassadors in Scotland: Spotlights
- Taking Biology Further
- Our Growing Brain: Development of MRI (new)

SCN 3-20b / 4-20b

- Our Growing Brain: Debate
- Let's Talk: Vaccines

