

Lesson plan

KS2 Bites & stings



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1. Details of the teacher

Name:	Date:	Time:	Class:
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2. Topic overview

The suggested time for the session is 60 minutes.

Teaching staff notes:

Delivery of this session must ensure that all students are able to maintain the safety of themselves and others. Students will be able to identify when a bite or sting requires treatment and act accordingly. These actions should include looking after a casualty and reassuring them, seeking medical help if required and administration of basic first aid skills. Throughout this topic, students will learn that an allergic response to a bite or sting can be serious, and they must act calmly to get help, assist, and monitor a casualty until help arrives. They should be able to identify the signs of a serious allergic reaction (anaphylaxis).

Before delivering any first aid skills, teachers must feel confident that they have the relevant knowledge and competency to safely teach techniques.

It is advised that students are taught the topic of basic life support skills prior to this session. A casualty having a severe allergic reaction to a bite or sting could deteriorate and basic life support may be the appropriate action required.

Session timings: Recommended timing is a minimum of 60 minutes. Delivery time can vary according to group size and the learner's prior subject knowledge. There is a range of optional activities that are excluded from these timings.

Approximate timing guides are provided for each optional activity to assist with the planning and preparation of sessions.

For this session, learning materials will be:

- PowerPoint presentation
- Flip chart paper
- A4 Paper
- Pens
- Coloured pens/pencils for pupils to amend own work
- See optional activities for specific resources required for each activity.

3. Keywords

- | | |
|--------------------|----------------|
| ➤ Allergic | ➤ Swelling |
| ➤ Airways | ➤ Infection |
| ➤ Respiratory rate | ➤ Venom |
| ➤ Breathing | ➤ Reaction |
| ➤ Reddening | ➤ Autoinjector |
| ➤ Puncture | ➤ Anaphylaxis |

4. Learning outcomes

By the end of the lesson, students will:

- Be able to identify when a casualty is having an allergic reaction to a bite or sting
- Be able to provide first aid treatment for a casualty who has been bitten or stung
- Be able to comfort and reassure a casualty who has been bitten or stung
- Be able to seek medical help if required.

5. Details of activities and resources required

Note: Feel free to choose activities to fit the time you have available.

Introduction	
Activity	Resources required
➤ Introduce the topic.	Slide 1-2
<ul style="list-style-type: none"> ➤ Explain the learning outcomes of the session ➤ Establish ground rules for the session, using the additional advice sheet provided. 	Slide 3

Main Input	
Activity	Resources required
<p>Bites and stings (5 mins)</p> <ul style="list-style-type: none"> ▶ Use the PowerPoint to outline information relating to bites and stings ▶ Emphasis on the fact that a serious allergic reaction to a bite or sting can be life-threatening ▶ Explain that if swelling occurs in the airway, then it is difficult to breathe, and a casualty may not be able to get air (oxygen) into their body. 	Slides 4-5
<p>Activity 1: Things that could bite you (10 mins)</p> <ul style="list-style-type: none"> ▶ Ask students to think of 5 things that could cause a bite injury ▶ Use the worksheet to collate answers and ask open questions to get students to consider the impact of the bite, ask for descriptions regarding what the wound could look like e.g., would it be large or deep? Would there be minor or severe bleeding? ▶ How would bites differ depending on the origin of bite. What would the casualty feel? Use images on the screen to support the discussion ▶ Looking at the slide, have an open discussion on what safety measures could be put in place to reduce risk of harm to themselves or others e.g., making sure that a dog is secured ▶ Consider using a wipe board or paper to write responses and compare. 	Slide 6 Activity 1 worksheet
<p>Activity 2: Things that could sting you (10 mins)</p> <ul style="list-style-type: none"> ▶ Ask students to think of 5 things that could cause a sting injury ▶ Use the worksheet to collate answers and ask open questions to get students to consider the impact of a sting, ask for descriptions regarding what the wound could look like? ▶ How would stings differ depending on the origin of sting? What would the casualty feel? Use images on the screen to support the discussion ▶ Looking at the slide, have an open discussion on what safety measures could be put in place to reduce the risk of harm to themselves or others e.g., stay away from bees/hives/nests ▶ Consider using a wipe board or paper to write responses and compare. 	Slide 7 Activity 2 worksheet
<p>Activity 3: Bites and stings charades (10 mins)</p> <ul style="list-style-type: none"> ▶ Place students into small groups and ask them to cut out the picture cards unless already prepared before ▶ The picture cards identify the cause of a bite or sting ▶ One person must then imitate, non-verbally, the cause to the rest of the group, and they must try to guess what it is. Once done so, they must decide if it a bite or sting ▶ Note: You will need to print out the cards for the animals or insects that can bite or sting. You can also print out the bubbles that identify if it will cause a bite or a sting. 	Slide 8 Activity 3 handout Either get students to cut out the picture cards or prepare these prior to session
<p>What can go wrong? (10 mins)</p> <ul style="list-style-type: none"> ▶ Explain that a bite or sting can cause some further complications sometimes. Explain that infections can occur because of a bite/sting and 	Slides 9

Main Input	
Activity	Resources required
<p>a tetanus injection may be required (consider rabies injection also) for puncture wounds of skin. Note, they tend not to offer a tetanus injection IF the person is up to date with their immunisations because it is included in the program of injections</p> <ul style="list-style-type: none"> ▶ Allergic reactions can be severe and life-threatening (anaphylaxis) and a casualty should be monitored in case they show signs of a reaction (further learning regarding this is available on allergies topic SJA schools first aid sessions) ▶ Signs and symptoms of an allergic reaction can be swelling, redness, feeling faint, nausea, stomach pains, wheezing and difficulty breathing. 	
<p>Video: Bites & stings and allergic reaction (5 mins)</p> <ul style="list-style-type: none"> ▶ Watch the video carefully and observe the first aid actions for assisting a casualty who has been bitten or stung ▶ Watch the allergic reaction video to observe what to do if a casualty has an allergic reaction after being bitten or stung. 	Slide 10-11
<p>Scenarios: Practical activity (20 mins)</p> <ul style="list-style-type: none"> ▶ Use slides 12-14 to help support the demonstration and skills needed for dealing with an animal/human bite and an insect bite/sting ▶ Students in pairs/groups discuss what they would do and act this out. Ensure that they remember to reassure the casualty and use decision-making skills and rationale to decide if their casualty needs to seek medical attention. 	<p>Slides 15-16</p> <p>Use slides 12-14 to support – print these</p>
<p>Check for Learning:</p> <ul style="list-style-type: none"> ▶ This slide offers an opportunity to revisit learning outcomes. 	Slide 17-18

6. Check learning

- Use slide 17 to revisit learning outcomes and see how confident the student is on managing this first aid situation and administering first aid
- Ask open questions about safety, allergic reactions, signs, and symptoms and complications
- Ask 'what would you do if' questions
- Ask children what they have learnt from the session
- Peer assessment with partners during the practical activity.

7. Details of assessment for learning

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|---|---|---|
| <input type="checkbox"/> Shared learning objectives | <input type="checkbox"/> Questions/answers | <input type="checkbox"/> Extended questions/answers |
| <input type="checkbox"/> Peer assessment | <input type="checkbox"/> Self-assessment | <input type="checkbox"/> Oral feedback |
| <input type="checkbox"/> Written feedback | <input type="checkbox"/> Reflection/ evaluation | <input type="checkbox"/> Group work |

8. Teacher notes

Use this space for differentiation notes, the role of any classroom support, evaluation notes, etc.

9. Curriculum links