**Material Development Template**

**1. Topic Information**

* **Title**: Recognizing Threats: DoS (Denial of Service) Attacks
* **Description**: This module covers what a DoS attack and a DDoS attack is, along with common attacks methods and what to do if you believe you are a target.

**2. Learning Objectives**

* **Primary Objectives**: Be able to recognize a potential DoS attack and know what to do next.
* **Secondary Objectives**: Understand how the different DoS attacks work.

**3. Target Audience**

* **Age Group**: Teens/Adults
* **Skill Level**: Intermediate
* **Specific Needs**: N/A

**4. Material Types and Formats**

* **Main Format**: Presentation
* **Supplementary Materials**: Group Discussions, Quiz/Kahoot
* **Accessibility Features**: N/A

**5. Instructor Guide**

* **Synopsis**: Power point to be presented and then group discussion questions to deepen understanding. Quiz can be taken either on paper or Kahoot after.
* **Key Points**: DoS attacks bring down networks and computers, can be recognized by extra slow activity and resources being used that don’t make logical sense.
* **FAQs**:

**6. Activities and Engagement Strategies**

* **Interactive Activities**: Discussion questions to get thoughts going and then a Quiz to be taken evaluating knowledge and learning of the information.
* **Engagement Tips**: Focus on the recognition and what to do if you believe you are being attacked, rather than the specifics on different kind of attacks which will be bring to some people. Discussion questions can engage audience and the Kahoot is a fun activity instead of just a plain paper quiz.

**7. Assessment**

* **Evaluation Method**: The Quiz or Kahoot will be the evaluation. Can do the quiz before and after to compare scores and see what was learned.
* **Success Criteria**: 7/10 on the quiz.

**8. Sources and References**

* **Primary Sources**: [https://www.ncsc.gov.uk/collection/denial-service-dos-guidance-collection#:~:text=A%20denial%20of%20service%20(DoS,even%20making%20it%20completely%20inaccessible.](https://www.ncsc.gov.uk/collection/denial-service-dos-guidance-collection)
* <https://www.cisa.gov/news-events/news/understanding-denial-service-attacks>
* <https://www.cloudflare.com/learning/ddos/glossary/denial-of-service/>

**9. Legal and Compliance Checks**

* **Copyright Compliance**: Ensuring all used materials are correctly licensed or credited. yes
* **Privacy Considerations**: Ensuring content complies with privacy laws, especially if the personal data of learners might be involved. yes

**10. Technology Requirements**

* **Needed Software or Hardware**: A computer that can run google slides/Kahoot.
* **Technical Support Resources**: N/A

**11. Feedback Mechanism**

* **For Learners**: QR link on the end of the slides
* **For Instructors**: QR link on the end of the slides goes to the google drive Form

**12. Review and Update Schedule**

* **Review Frequency**: Every few months if new tactics are “hot”
* **Update Protocols**: Add to slideshow/Quiz

**13. Delivery Modalities**

* **Online**: Online can do a zoom call and present the slides. Then a quiz could be taken and submitted.
* **In-Person**: Present slides then do discussion questions. Then take a quiz to evaluate.

Print off the worksheet so people can use the worksheet to help test what they learned

* **Hybrid**: Present online and then meet together to do discussions and take the Kahoot and quiz.

Blooms taxonomy: <https://www.celt.iastate.edu/instructional-strategies/effective-teaching-practices/revised-blooms-taxonomy/>