|  |
| --- |
| **Facilitator:** SPC / FFA Trainer & Trainee Trainer  |
| **Session Title:** (PIROBS3.05C\_ 4) Observe, Monitor and Document Fishing Activities **Identification of Different SHARKS Species**4.1 Identify correctly fish and marine species using established Species identification processes based on anatomical Features  |
| **Total Time:** 5 hours (Nominal hours 200 hours = 5 hours out of the 200 hours)  |
| **Target Learner Group:** PIRFO Trainees / Fisheries Officers  |

|  |
| --- |
| OBJECTIVES |
| At the end of this session the student will be able to: |
| 1. Identify the common Shark species caught on commercial fishing vessels (PS, LL, PT etc.) in the WCPO
2. Identify common characteristics of SHARK species
3. Identify Special characteristics that differentiate between sharks that are almost similar
4. Understand the Anatomical features
5. Identify Three (3) letter FAO code against every Shark species learnt
6. Understand different SHARK groups
7. Identify the Sex of shark species
8. Identify Sharks that have become species of special interest (SSI) including CMM’s
 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Time**  | **Learning Content** | **Activity** | **Resource** | **Assessment** |
| 5 min | Welcome / Introduction / Ground rules. 1. Safety Rules (common to any / most training facilities or geographical area)
2. Organisation processes / Procedures
3. Institution rules
4. Breaks / use of personal devices
5. Classroom rules
 | Signing of student pledge.  | Present College / Organisation rules, procedures etc.Power point presentation(s) | Not required  |
| 10 min  | INTRODUCTION: * Introduce the subject / topic and explain the outcome to be achieved.
* Brief explanation of the total number of shark species
 | Using ID Manual for HLL (pages 20 – 53)  | Power point presentation ( slide 2) | Not required  |
| 40 min | BODY: * External anatomical features;
* First Dorsal fin
* Upper caudal
* Lower caudal
* Tail
* Anal fin
* Pelvic fin
* Pectoral fin
* Gill slits
* Snout
* Second dorsal fin
* Body (trunk)
* Claspers (males) , female disappears
* Etc.….
 | Using ID Manual for HLL (pages 20 – 53)  | Power point presentation ( slide 3 - 5) | Review of anatomical features  |
| 5 minute breather to process and analyse  |
| 40 min | * Identification of Sharks species and their Three letter FAO codes and Characteristics of
* Silky Shark
* Oceanic White tip
* Blue Shark
* Whale Shark
* Cookie Cutter
* Tiger Shark
* Galapagos Shark
* Silvertip reef shark
* Mako Sharks \_ Long fin and Short fin
* Hammerhead Sharks \_ Great, Wing head, Scalloped
* Thresher sharks \_ Pelagic, Bigeye, Common
* Great White Shark
 | Using ID Manual for HLL (pages 20 – 53)  | Power point presentation ( slide 6 - 21) |  |
| 5 minute breather to process and analyse  |
| 40 min | * Identification of Sharks species and their Three letter FAO codes and Characteristics of
* Silky Shark
* Oceanic White tip
* Blue Shark
* Whale Shark
* Cookie Cutter
* Tiger Shark
* Galapagos Shark
* Silvertip reef shark
* Mako Sharks \_ Long fin and Short fin
* Hammerhead Sharks \_ Great, Wing head, Scalloped
* Thresher sharks \_ Pelagic, Bigeye, Common
* Great White Shark
 | Using ID Manual for HLL (pages 20 – 53) Additional research information from SPC/FFA and other resourceful sites.  | Power point presentation ( slide 22 – 35 ) |  |
| 5 minute breather to process and analyse  |
| 10 min | * Quiz. . .

Quiz to identify shark species  | Individual Quiz  | Using memory | Test of memory  |
|  | Summary Linking of Objectives to content/ activities/ assessments | Individual Open Book Assessments | Using ID Manual for HLL (pages 20 – 53)  |  |
| 60 min | * Skills and Written Knowledge assessment
 | Oral assessment (assessment method No 1) | Power point | Grading assessment  |