CLIL Module Plan

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School Grade	Primary		O Middle			○ High		
School Year	01	o 2	03	O 3			○ 5	
Subject	Scienze	Topic	Topic		the sense of sight			
CLIL Language	● English			O Deutso	ch			

Personal and social-cultural preconditions of all people involved

The class 2A of Avio is composed by 23 children, 13 boys and 10 girls, whose L1 is Italian, only two boys speaks at home also a different language, different from Italian and English. There are no students with special needs, but there are two of them with some difficoulties in written language, in terms of writing. In spite of this, with a little more time and the help of thei classmates, they can get through quite well. The linguistic level is different, according to every single child's competence, as well as the willingness to learn. But in common all they have an high motivation and curiosity for all natural and scientific aspects. In this class curriculum subject science is developed through two hours per week, one in L1 and the second in L2, English, in CLIL. This is the first year they study science in CLIL. The teacher guides the learning process through concrete experiences: the students are involved in it and understand linguistic and content objects by doing.

knowledge, skills, competencies Students function to optica experien	Subject	Language
	Students know the five senses and the function of all. They have been introduced to optical illusions, so they also experienced that sometimes eyes are tricky and not always reliable to.	Students know the structure "I can see", "I can see something" and "it is". They know colours, some animals, some adjectives (e.g. "big", "small", "high", "low") and the parts of the body referring to the five senses.

Timetable fit Module Length 1 unit, 4 lessons (60 minutes each)	
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Description of teaching and learning strategies

The main methodology adopted is task-based learning. The teacher will introduce first the topic, then give tasks mainly to pairs or little groups. In this way students take part actively in learning process, developing also social skills, for example coomunication and collaboration. The start and the end of the lesson will be always done in the big group, in order to share what has been discovered by every group, what the possible questions and ideas born during the process. The teacher during the tasks will monitorate the students, and supporting them, both in content and on the linguistic level. At the start of the lesson the teacher will provide some linguistic elements the students will use to interact in English, could be simple already known sentences ("it is...") or specific vocabulary. Further, the interaction will be promoted by creating a positive and nojudging environment, where every student can feel free to speak; positive feedbacks are another strategies used. Language and content will be presented and then supported by images, "realia" and gestures. In the discussions or when the students interact in little groups, it will be needed a linguistic switch in L1.

Overall Module Plan

Unit: 1

the human sight

Unit length: 3 hours

Lesson 1

the sight and our eyes

Lesson 2

human sight: dark and light

Lesson 3

how a blind person sees

Unit: 2

the animal sight

Unit length: 2 hours

Lesson 1

nocturnal and diurnal animals

Lesson 2

how different animals see

Unit: 3

Assessment

Unit length: 1 hour

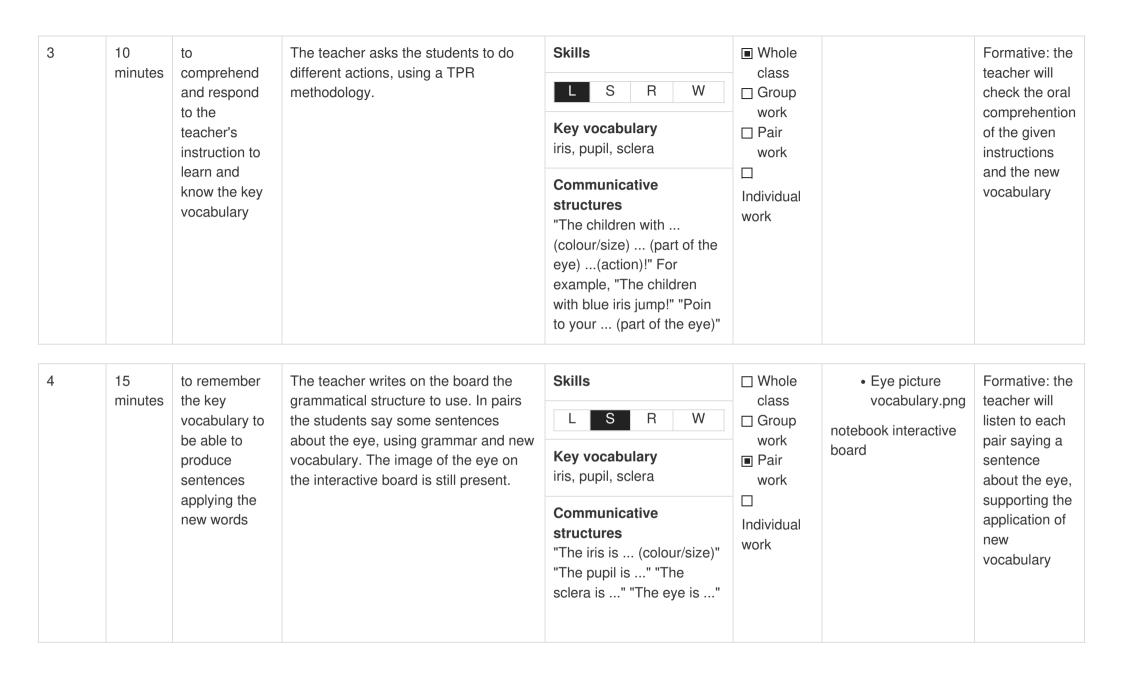
Lesson 1

the sight

Unit number 1 Lesson number	1	Title	the sight and our eyes
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Activity	Timing	Learning Outcomes	Activity Procedure	Language	Interaction	Materials	Assessment
1	15 minutes	to be aware of the eye to be able to observe accurately and draw what he/she sees to increase motivation	The teacher introduces the topic sight and eyes. The students in pairs (and one group of three) need to observe the other's eye and try to draw it with every detail on the notebook. When their drawing is finished they can describe it orally.	Key vocabulary The students don't know yet the specific vocabulary, because it will be introduced later in the discussion. Communicative structures Open your eyes It is (colour and size)	☐ Whole class ☐ Group work ■ Pair work ☐ Individual work	notebook and crayons	Formative assessment: the teacher will observe and listen to every pair of student while they are drawing and describing the other classmate's eye.

2 20 to be able to The teacher asks for some voluntary Skills • Eye picture Formative: Whole interact in a pairs to describe loudly the eye they class vocabulary.png The teacher minutes S have drawn. Then the key vocabulary R W ☐ Group whole class will monitor eye 3D link will be introduced: the teacher shows a work discussion to the Key vocabulary know the 3D image on the interactive board, in □ Pair interactions. iris, pupil, sclera specific order to show how an eye is in its The teacher work vocabulary of completeness and after the teacher will listen to Communicative the eye parts shows an image with the specific the students Individual structures terminology. Students observe it and and check, (iris, pupil, work It is ... (colour and size) sclera) to identify the same parts on their drawn and in case of recognise the eye. Then the teacher says loudly the need support, words, asking the students to repeat the correct different parts of the eye them and to write them down on the grammatical notebook. structures. The teacher will check the comprehention and then the pronounciation fo the vocabulary.



Unit number 1 Lesson number	2	Title	human sight: dark and light
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Activity	Timing	Learning Outcomes	Activity Procedure	Language	Interaction	Materials	Assessment
1	10 minutes	to recall and remember previus key vocabulary	The teacher introduce the lesson through the game "Simon says", recall the previous known information about the eye	Skills L S R W Key vocabulary iris, pupil, sclera Communicative structures "Point to the " simple action verbs (jump, run, fly, clap,) connected with eye parts	■ Whole class □ Group work □ Pair work □ Individual work		Formative and ongoing: The teacher will check that every student remembers the vocabulary adn comprehends the instructions

2 Skills The teacher introduces the new topic with a 30 to ■ Whole ongoing and minutes understand brainstorming. The teacher asks the students to tell class formative: S R W what how do we see, what body parts do we move in order L ☐ Group The teacher happens to to see around us. The words are written on the work will monitor Key vocabulary our eve in blackboard and supported also by gestures. The Pair the work and iris, pupil, sclera dark, light light or dark teacher asks what happens with light and dark and if work the places to there are some differences. After a short discussion. interactions. Communicative observe and the teacher brings the whole class in the storage The teacher Individual structures notice the room, where there are no windows. The students stay will listen to work "What happens?" "The phenomenon a little time in silence in order to observe what they the pupil is..." of dilatation can see and what changes. After few minutes the light observations of the and will be turned on and the teacher asks the students what are their observations (black and white vision, students The contraction of the pupil how slowly the eye will adapt,...). The experiment will teacher will to explain be repeated twice. The teacher supports their check the this observations and in case of need through questions use and phenomenon guides them to observe better or different aspects. In application of the classroom the students are divided in pairs. One the new vocabulary student have to close the eyes for 20 seconds and then open. The other student is the observer and have to observe carefully what's happen to the classmate's eye. The students then switch roles. When both students in each pair did the experience, the teacher returns to the whole group asking and collecting observations.

3 20 to be able to Skills The teacher shows the video (twice) to let the Whole Formative: video link recognize students notice the phenomenon of dilatation and class the teacher minutes S R W the contraction of the pupil with light and dark. After the ☐ Group looks at the phenomenon video, students draw the phenomenon on their work pictures Key vocabulary □ Pair of dilatation notebook: they draw two different eyes and the made by the pupil, iris, sclera dark, light and different background (around one eye the light, with work students and contraction yellow, and the other one the dark, with black). The checks if they Communicative of the pupil words "dark" and "black" are written on the board in have Individual structures order to let the student read and wirte them on their understood to work "What happens?" "With understand the paper. dark/light the pupil is this phenomenon big/small" by drawing a phenomenon to illustratate bigger and a this smaller pupil, associating phenomenon them with the right word and background.

Unit number 1 Lesson number 3 Title how a blind person sees

Activity	Timing	Learning Outcomes	Activity Procedure	Language	Interaction	Materials	Assessment
1	20 minutes	to understand how a blind person sees to remember key vocabulary to apply key vocabulary in new situations	The teacher asks if the students know someone who is blind and if they know what blind is and means. The teacher writes on the board and/or mimes what the students say, introducing also the structure "I can't see". Then the teacher guides the students to the garden, asks to close the eyes and to walk. After a few miutes the teacher stops the walk and asks for observations. A blind person can't see anything and needs some kind of support. So the experience will be repeated one more time, but in this case in pairs: one student is blind, with eyes closed, and the other guides him/her in the garden (then they switch roles). After few miutes the teacher stops it and collects the riflections, asking how both experiences were and how students felt.	Skills L S R W Key vocabulary blind dark Communicative structures "What can you see?" "Was it easy/difficoult?" "I can't see"	■ Whole class □ Group work ■ Pair work □ Individual work		ongoing and formative: The teacher will monitor the task and specially how students guide the blind classmate. The teacher will evaluate the use of the structure "I can't see".

2	35 minutes	to understand how a	The whole class returns into the room. The teacher says that there are people that are not completely bind, but partially sighted, who can	Skills L S R W	■ Whole class	model glasses.gifblurry	Formative: the teacher will monitor the
		sighted person	paper in order that every student can build a pair of glasses. They need to cut out also the	Key vocabulary dark, light, near, far blurry	□ Pair work	img.pdf plastic transparent	the participation in
	minutes understand how a completely bind, but partially sighted, who can see very blurry. Then distributes the piece of paper in order that every student can build a person pair of glasses. They need to cut out also the plastic material for the lens. When they finish they can experiment how a partially sighted person sees. After a few minutes the teacher asks the students to tell how they felt and what they saw, introducing the new words "near"	Communicative structures "What can you see?" "Was it easy/difficult?" "I can see" "I can't see"	☐ Group work ☐ Pair work ☐ Individual work ☐ work ☐ glu	material (e.g. an old cover for notebooks), scissors and glue, and paper glasses to build	the tasks. The teacher will listen to the students contributions and supporting them to express themselves in English. The teacher will check the use of the correct vocabulary		

3	10 minutes	to recall previous	The teacher gives each student the worksheet and ask them to draw what and how a blind	Skills	☐ Whole class	drawing blind-	Formative: the teacher will
	minutes	knowledge to compare the difference between	and a partially sighted person sees.	L S R W Key vocabulary blind partially sighted person	☐ Group work ☐ Pair work	partially sighted- sighted.pdf	look at the drawings and will check the comprehension of the
		blind and partially sighted vision		Communicative structures "Is it different?"	Individual work		differents ways of seeing

Unit number 2 Lesson number 1 Title nocturnal and diurnal animals

Activity	Timing	Learning Outcomes	Activity Procedure	Language	Interaction	Materials	Assessment
1	15 minutes	to list the different carachteristics of diurnal and nocturnal animals	The teacher guides a brainstorming about diurnal and nocturnal animals. On the interactive white board the teacher writes what the students say, e.g. names of animals or general carachteristics. Then shows some pictures about animals and the students should go to the board and move them in the two different groups in a Venn diagram. Some animals will be put in the middle, e.g. the cat, because it lives both day and night.	Skills L S R W Key vocabulary diurnal, nocturnal Communicative structures "Where do we put the?"	■ Whole class □ Group work □ Pair work □ Individual work	diurnal and nocturnal animals - pictures.pdf images of animals (I upload a pdf, but the pictures should be separated and saved in the software of the interactive whiteboard)	Ongoing: the teacher will monitor the interation of the students

2	10 minutes	to increase curiosity to be able to recognise familiar nocturnal animals focusing on the sense of hear to learn other nocturnal animals	The teacher shows a video, the students need to listen and try to guess, from the sound, what nocturnal animal could be.	Key vocabulary diurnal, nocturnal day, night Communicative structures "What is it?" "Have you ever seen a?" "It's a"	■ Whole class □ Group work □ Pair work □ Individual work	diurnal and nocturnal animals - pictures.pdf video: link	ongoing: during the video the teacher will ask some questions to check knowledge about animals and vocabulary.
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3 To be able to **Skills** Formative and 30 The teacher divides the class in ■ Whole · diurnal and classify and minutes small groups of 4 students (one class nocturnal ongoing: the S R W teacher will compare animals group of three). Each group has Group animals -(diurnal, nocturnal) images of some animals eyes (the pictures.pdf work monitor the Key vocabulary by their eyes to same animals of the previous □ Pair venn group work, diurnal, nocturnal, iris, brainstorming) and the students. reflet on and work diagramm the interaction. pupil, recognise the together, need to compare them and noct. the collaboration differences between classify them in the two different diurnal Individual Communicative different animals categories. Cooperatevely, they have animals.pdf of each work structures eyes to be able to different roles: a student will first student Images (cut) and "Eyes are ... (size, work in group, listen move and then stick the images on (individual a Venn diagram colors,..)" "The iris is ..." to others opinion the diagram, a student will write, two assessment). for each group "The pupil is ..." and collaborate students will read aloud the group's The teacher opinions. The teacher writes on the will evaluate board the grammatical structures to the answers use and repeats some vocabulary and each that they could need. When every diagram group is ready, the speaker students (group read and share their work with the formative whole class. The teacher guides the assessment). discussion and then shows the correct categorisation on the interactive board. When all students agree and understand that nocturnal animals have bigger eyes and the pupil is bigger in order to get more light, they can stick the pictures on the diagram.

4	5 minutes	to recall previuous information and resume the new konwledge to be able to compare the phenomenon of dilatation/contraction fo the eye between human eyes and animal eyes	The teacher shows a video: it illustrates what happens to a gecko's eyes with light or dark. The students should recognise the phenomenon that they have experienced in the previous lessons and associated with the current knowledge.	Skills L S R W Key vocabulary gecko light, dark pupil Communicative structures "What happens?" "Do you remember?" "The pupil is"	■ Whole class □ Group work □ Pair work □ Individual work	video link	Formative: the teacher will check the whole comprehention of the phenomenon by asking some questions to students.
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Unit number 2 Lesson number 2 Title how different animals see

Activity	Timing	Learning Outcomes	Activity Procedure	Language	Interaction	Materials	Assessment
1	5 minutes	to recap previuos information about dirunal and nocturnal animals	The teacher gives each student a picture of an animal or its eyes. Then invites the students to walk in the room with music, when the music stops the teacher gives instructions and the students have to think and follow them. For example: "Find the eyes of your animal", or "Jump if you have a nocturnal animal".	Skills L S R W Key vocabulary diurnal, nocturnal day, night pupil, iris Communicative structures "Find the" " (action verb, e.g. jump, clap, stamp your feet,) if you have"	■ Whole class □ Group work □ Pair work ■ Individual work	diurnal and nocturnal animals - pictures.pdf Some students will have the same picture	Ongoing and formative: The teacher will check if every student remembers the previous information and vocabulary

2	5 minutes	to reminds and to learn new vocabulary	The teacher reminds new specific vocabulary, in order to let the children be able to complete the following task. The teacher will write on the board the word "blurry" using the same image, used to speak about partially sighted persons, asking the children to remember the meaning of the world and to recall the experience with the glasses.	Skills L S R W Key vocabulary blurry Communicative structures "Can you repeat blurry?" "Do you remember?"	■ Whole class □ Group work □ Pair work □ Individual work	• blurry img.pdf	ongoing: The teacher will check if the students remember the word and recall the experience
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3 Skills The teacher divides the class in 4 groups Formative and 30 to Whole • animalsminutes understand (one group of three students) and each group class sentencesongoing: The S R W L teacher will and has the same material. The students need to ■ Group different associate and put together the pictures of monitor the associate work visions.pdf Key vocabulary animals to their possible vision and to short □ Pair group work, images The images of blurry sentences, wich describe how animals see. how the with work different visions Each picture is divided in two parts: the left sentences students are taken from Communicative to compare one is the human vision, the right part the interact. Individual this website: link. structures different animal one, in order that students can collaborate and work which is also "... (animal) sees ... " "... ways to compare the two. When every group finishes do the work. where the (animal) doesn't see ..." the task, the teacher leads a sharing part: the see the The teacher childern at then "Do you agree?" "Let's see students can stand up and go to the other will evaluate world to end see the how a ... sees" reflect on groups to see what they have done. Then the solutions. Images associations they return to the group and, if there are some different of animals types of differents associations, discuss again about (pictures -Sentences visions to what they have decided. After that the teacher sentences), the printed on cards guides a final discussion: each group reports linguistic interact in their work using the grammatical structure on comprehention. a group the sentences. At the end the teacher shows before and after the on the interactive board what the solution was. The animals taken into account are the students can following: dog, jecko, giant clam, snail, see others jumping spider. work.

4 10 minute	to recall s prevous information to hypothese what could happen with a little experiment to increase interest	The teacher asks the student how a bee sees, collects the hypotheses and introduce a little experiment. The teacher takes a flower, puts it in a glass of tonic water, or the liquid part of a highlighter, and says that we need to wait. (the day after with light off and a UV torch the class will be able to see how, more or less, a bee sees!)	Skills L S R W Key vocabulary Communicative structures "How sees a bee?" "What happens to the flower?" "Will be the color the same?"	■ Whole class □ Group work □ Pair work □ Individual work	flower, glass, tonic water or highlighter, UV torch	Ongoing: the teacher will listen to the students observations and hypotheses
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Unit nur	mber	3	Lesson number	1	Title	the sight	
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Activity	Timing	Learning Outcomes	Activity Procedure	Language	Interaction	Materials	Assessment
1	10 minutes	to recall prevous knowledge to remember specific language	The teacher introdues this last lesson with a running activity. The students are divided into two teams: one per each runs from the back of the class to the teacher, who shows an image or a word (e.g. pupil); the students have to say what the image refers to, mime the word using gestures or point to the part of the eye. There are no points because this is not a competition.	Skills L S R W Key vocabulary dark, light near, far blind, partially sighted iris, pupil, sclera Communicative structures "What is it?" "It's"	■ Whole class□ Group work□ Pair work■ Individual work	 flashcards vocabulary sight.pdf blurry img.pdf flashcards 	ongoing: The teacher will valuate if every student remembers the vocabulary and the meaning through this playful task