Paul Nation and Jonathan Newton

Designing the vocabulary programme of a course is similar to most examples of language course design. In addition to considering the situation in which the course occurs, it is necessary to decide what vocabulary will be selected for teaching, how it will be sequenced, and how it will be presented. In this review of vocabulary pedagogy, we will first look at these senteds of selection, sequencing, and presentation, and then explore in aspects of selection, sequencing, and presentation, and then explore in more detail two issues that have become a focus of recent research, namely, incorporating vocabulary development into communicative activities, and improving learners' access to vocabulary that has already been partly learned.

Selection

There has been a long tradition of research into what vocabulary will provide the best return for learning. The majority of these pieces of research have been frequency counts, which have provided lists of the most frequent and widely used words of a language. Particularly for the early stages of learning a language, these studies have provided very early stages of learning a language, these studies have provided very valuable information. The often repeated finding of frequency counts has valuable information. The often repeated finding of frequency counts has valuable information and page of any book no matter what the subject matter. The same words give an even greater coverage of spoken language. Focusing learners' attention on the high-frequency words of the language gives a very good return for learning effort.

Frequency and range, however, have not been the only factors that have Frequency and range, however, have not been the only factors that have guided the principled selection of vocabulary for teaching. Other factors guided the ability ro combine with other words, the ability to help define other words, the ability to replace other words, and other factors related other words, the ability to replace other words, and others have been to association and availability. These factors and others have been brought together in the notion of a 'core vocabulary' (Carter, 1986, 1987). West (1953) used some of these, but particularly frequency, range, and replaceability, in his classic General Service List of English Words, which contains 2,000 headwords with indications of their frequency and the relative frequency of each word's meanings.

Sequencing

There are two sequences to look at here: first, the sequence of levels of vocabulary, and second, the grouping and ordering of words within a set of lessons.

A convenient division for the levels of vocabulary is shown in the accompanying table adapted from Nation (1990), and based on written academic text.

High-frequency words 2,000 87 Academic vocabulary 800 8 Technical vocabulary 2,000 3 Low-frequency words 123,200 2 Total 128,000 100	Level	Number of words	Text coverage %
	High-frequency words Academic vocabulary Technical vocabulary Low-frequency words Total	2,000 800 2,000 123,200	87 88 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8

Clearly the 2,000 high-frequency words of English should receive attention first because without these it is not possible to use English in any normal way. These words deserve considerable time and attention. Once learners can use them, the decision as to which level to move to next depends on the use that the learners will make of English.

The academic vocabulary lies (Maries, 1000 v.)

The academic vocabulary list (Nation, 1990; Xue & Nation, 1984) contains 800 headwords that are frequent in a wide range of academic texts, both in secondary or senior high school and in university, and in newspapers. Here are some examples of words from the academic word list: abandon, alternative, comply, denote, element, evident. If learners demic vocabulary is the next level of vocabulary to teach. If, however, they intend to use English for social purposes, for occupations that do not require the reading of academic text, or for reading novels and popular magazines, the next level to move to is the low-frequency word level.

The division between high-frequency words and low-frequency words is arbitrary and researchers do not agree about where the division should be made, although they agree that the distinction can be most usefully made somewhere between the most frequent 1,500 words and the most frequent 7,000 words. Here are some examples of the more common low-frequency words: bench, marble, thrill, brilliant, mess, circus, hug. Ess common low-frequency words include gibbous, phytogeography, sybe, oppidan, telangiectasis, and yautia.

Technical vocabulary has a very narrow range, that is, it is used within a specialized field. Within that field it may be reasonably common. It is likely that every field has its technical vocabulary or the equivalent. Academic fields like law, mathematics, chemistry, and philosophy clearly

have technical vocabularies. It could also be argued that newspapers have their own technical vocabulary, such as the names of people, places, and organizations. Although this vocabulary changes rather rapidly, it does of share several features with the technical vocabularies of, say, science. Share several features with the technical vocabularies of, say, science. Strist, the names carry a lot of the message in a particular text. Second, it is first, the names carry a lot of the message in a particular text. Second, it is often repeated within a text. Third, it may be defined in the text or be often repeated within a text. Third, it may be defined in the text or be often repeated background knowledge for a reader. Technical vocabulary is best taught within the content area of the relevant subject and cabulary is best taught within the content area of the relevant subject and cabulary is best taught within the content area of the relevant subject and cabulary is best taught within the content area of the relevant subject and cabulary is best taught within the content area of the relevant subject and cabulary is best taught within the content area of the relevant subject and cabulary is best taught within the content area of the relevant subject and cabulary is best taught within the content area of the relevant subject and cabulary is best taught within the content area of the relevant subject and cabulary is best taught within the content area of the relevant subject and cabulary is best taught within the content area of the relevant subject and cabulary is best taught within the content area of the relevant subject and cabulary is best taught within the content area of the relevant subject and cabulary is best taught within the content area of the relevant subject and cabulary is best taught within the content area of the relevant subject and the content area of the relevant s

Presentation

Academic and technical vocabulary lists can be used to make it easier for teachers and learners to treat these types of vocabulary in the same way as high-frequency vocabulary – namely, by learning these items directly through vocabulary exercises or individual learning. Because high-frequency words are relatively few in number, are essential for effective language use and give a very good coverage of text, each individual high-frequency word is worthy of attention by the teacher.

Because low-frequency words are many in number, can often be Because low-frequency words are known, and occur guessed from context if the high-frequency words are known, and occur guessed from context if the high-frequency words are known, and occur yery infrequently, each word does not deserve attention from the teacher, but strategies for coping with and learning these words do. These strategies include, in order of importance, guessing from context, using word parts to help remember word meanings, and using mnemonic and rote parts to help remember word meanings, and using mnemonic and rote parts to help remember word meanings, and using mnemonic and rote to a substitute for systematic learning of lexis. Both of these not a substitute for systematic learning of lexis. Both of these approaches – guessing and systematic learning – deserve attention from the teacher, particularly in terms of strategy development. It is at this point that the teacher's and the learner's interest may diverge. The reacher's main concern will be in the effective development of the strategies. The learner will be mainly concerned with the particular piece of learning that the strategies help.

The general principles for dealing with high- and low-frequency vocabulary have been described, but there are several ways that these principles can be put into practice. Generally, these ways can be described as direct can be put into practice. Generally, these ways can be described as direct and indirect. They are not necessarily alternatives and may complement

each other. In a direct approach to vocabulary teaching, explicit attention is given to vocabulary. There may be vocabulary lessons where periods of time are

set aside for the study of vocabulary. There will certainly be explicit vocabulary exercises, which may include word-building exercises, matching words with various types of definitions, studying vocabulary in context, semantic mapping, and split information activities focusing on vocabulary. There may also be regular vocabulary testing and possibly assigned rote learning (see Nation, 1982, for a review of research on this topic). Time may be set aside for the learning of strategies and learners mastery of strategies may be monitored and assessed.

In an indirect approach to vocabulary teaching, the teacher's concern for vocabulary learning will not be so obvious. The teacher may give consideration to incorporating vocabulary learning into communicative work, although vocabulary will not often be the main learning goal of the activities. Learners would also be encouraged and guided to do substantial amounts of graded reading. Whenever problems with vocabulary way. At times these problems may be used as an opportunity to focus the conflictity on vocabulary development.

Both of these approaches require thought and planning on the part of the teacher. In an indirect approach, the teacher needs to ensure that learners are being exposed to material and activities that will expand their vocabulary in useful ways. In any language course it is worth looking at the opportunities for direct and indirect vocabulary learning to see that there is a systematic programme of vocabulary development.

In the next section, we will look further that

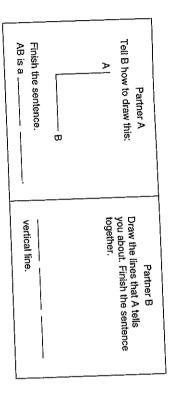
In the next section, we will look further at the presentation of vocabulary to see how it can be incorporated both directly and indirectly into communicative activities.

Learning through communicative activities

Communication activities have a well-established place within many language learning programmes. Although the range of types of such activities is large, all provide learners with opportunities to use language ro do things and, in particular, to engage in meaningful interactive oral language production. Typically, their goal is to improve the fluency with which learners access their knowledge of the target language (Nation & social communication skills (Ladousse, 1983), dealing with the unpresocial conversation (Ladousse, 1983), dealing with the unpredictable nature of conversation (Ladousse, 1987), and improving grammatical accuracy (Rinvolucri, 1984).

Research carried out in recent years indicates that there may also be a role for vocabulary learning either as an incidental goal or as one of the primary goals of a communication activity.

working on these interactive activities was greater than that of students students, Hall (1992) found that the vocabulary learning of students performance of split information activities by eleven- to thirteen-year-old ure I shows a sample task. working within a teacher-fronted arrangement with a reading focus. Fig-In a study of the acquisition of mathematical vocabulary through the



in new contexts and in new structures) are the key factors leading to knowledge'. Hall suggests that the requirement for spoken output in tunities for talk . . . which increase both language knowledge and content these activities and the generative use of new vocabulary items (their use Hall concluded that split information activities 'can provide oppor-

acquisition of these items.

tivities where students read a story in pairs and then respond to preset activity was used productively and accurately by learners even when they questions from their partners about the events in the story, responding as role for incidental vocabulary learning when the learners' focus is priwere not being asked about these items by their partners. This suggests a found that new vocabulary encountered in the reading input for the marily on meaningful performance of a communicative activity. if they were the people in the story who had experienced these events. She Simcock (1993) studied learners' performance in ask-and-answer ac-

stories in which there was repetition of the new words, illustrations of the cabulary learning for seven- to eight-year-olds involved in listening to explanation occurred. Although this result relates largely to listening, where there was no explanation of the new words and 40% gains where words, and redundancy through context. Elley recorded gains of 15% also shows the acquisition of vocabulary in a context where attention is on meaningful communication and not on language itself. A study by Elley (1989) provided empirical evidence of incidental vo-

> analyse the negotiation of this vocabulary during task performances. Three key findings emerged from the study. in the tasks was pre- and posttested and full transcripts were used to by two groups of four learners. The learners' recognition of vocabulary through performance of two split and two shared information activities Finally, a study by Newton (1993) investigated vocabulary gains

important learning resource for each other. words in the textual input - the learners within the group were clearly an not the group as a whole. For these 61 words - the majority of unfamiliar maining 61 words were recognised by some members of the group but members, 12 were not recognised by any group members, and the regroup. In group 1, for example, 38 words were recognised by all group group vocabulary was much greater than that of any one learner in a known by some other group members. In other words, the combined tasks that were not known by at least one member of a group were First, pretesting showed that many of the 111 words from the four

unknown vocabulary successfully, thereby helping each other with the of supervisor prompting or assistance, and in only two cases did the learning and use of this vocabulary. learners provide inaccurate information. Overall, the learners negotiated information on meaning. Of the remaining 7 items, 5 required some level sulted in repeating and spelling the word concerned, but without further learners within the group. Two were lost in the interaction and 11 rethe course of performing the tasks, 29 were accurately dealt with by other standing of new vocabulary is seen in the negotiation of vocabulary in the performances. Of the 49 requests for word meaning made by learners in Second, further positive evidence in support of this route to under-

acquiring new vocabulary through performing the four communication gains ranging between 10 and 20 words over the pretest scores for the meanings for the vocabulary in the activities showed individual learning two groups. This indicates that the learners made important first steps in Third, posttesting of the learners' ability to recognise and provide

communicative work on targeted vocabulary (Hall, 1992). exposure to new vocabulary in a meaningful communicative context (Elley, 1989; Newton, 1993; Simcock, 1990), and directly as a result of proved vocabulary recognition and use both indirectly, as a result of The research described in this brief review provides evidence for im-

The split information tasks required interlocutors to exchange unique information each held in order to complete a diagram or table. The shared information tasks required interlocutors to discuss commonly held information in order to problem solve and rank various options.

encourage vocabulary learning? What are the features of communication activities that

help speakers to set their speech to a suitable level for the particular First, the face-to-face nature of communication in group activities can continue to get additional information on an unfamiliar item until they help from each other on the meaning of unfamiliar language, including may not be using correctly. Thus learners involved in group work can get Listeners can also help the speaker by pointing out items that he or she listeners and to adjust it when listeners indicate a lack of understanding. vocabulary items they do not know. Through negotiation, learners can

are satisfied that they understand it.

to encounter new vocabulary. This context may not only provide suffitext such as a scenario for role play or an illustrated setting within which of unfamiliar items, but it also assists in the remembering of new items cient evidence for a learner to make a reasonable guess as to the meaning the learners' present knowledge structures (Anderson & Reder, 1979). (Craik & Tulving, 1975) and in the networking of new knowledge within Second, communication activities generally provide a meaningful con-

because the repetition occurs in a meaningful context, the durability of use of the new items during the course of the activity. Furthermore, Third, there is a good chance learners will also be exposed to repeated

to use vocabulary in ways that are not rote repetitions of the way the required to use them productively in the activity. If this requires learners the learning of the new items is likely to improve. vocabulary appeared in the input to the task, learning will be much Fourth, having encountered the new items, learners are likely to be

greater (Hall, 1992). exposing their weakness to the whole class or to the teacher (Long & make errors and express misunderstanding without the adverse effects of tion typically provides a learning environment in which learners can Fifth, from a psycholinguistic perspective, group-based peer interac-

Porter, 1985).

using communication activities for improving learners' vocabulary knowledge. But whether and to what extent a learners' vocabulary clude the choice of vocabulary and its placement within the textual input dent on certain features of the activities themselves. These features inknowledge will be extended through communication activities is depensponses to unfamiliar vocabulary, teachers can improve the quality of meaning of unfamiliar items, and the processing demands of the activity. for the activity, the teacher's and learners' strategies for arriving at the By being aware of these features and the way they affect learners' re-To sum up, there are sound psycholinguistic and pedagogic reasons for

communication activities The choice and placement of vocabulary in

munication activities

vocabulary learning that is likely to occur during performance of com-

mary factors that should determine what vocabulary goes into an activity. evidence that learners spend time talking about vocabulary from this text choice of a topic and the learners' proficiencies and needs are three priplacement of vocabulary items in the printed input for an activity. The rather than vocabulary generated by other learners (Newton, 1993). This finding provides us with good reason to take care with the choice and Where the content matter for a task is provided in text form, there is clear

and saying long numerical figures. common occupations). For both groups there are also practice reading with a general community orientation (i.e., popular New Zealand sports, qualifications), as well as for discussion of information relevant to those tion relevant to those with an academic orientation (i.e., the names of the content of the wider theme and provides for discussion of informaof other purposes. The vocabulary included in the activity both reflects university-based English proficiency course. Some of these learners were planning to go on to university study, but most were learning for a range based unit of study on employment for lower-intermediate learners in a example of this principle. This activity was designed as part of a theme-The activity 'Making an Employment Decision' in the Appendix is an

a scenario. The following guidelines can assist placement. in instructions, diagrams, lists, a set of rules or criteria, or a description of are a number of options to consider. Targeted vocabulary could be placed When deciding on the best way to place vocabulary in an activity, there

covered in the initial discussion of the task and 'criterion/criteria' is pretaught as a target vocabulary item. unfamiliar words for this particular group of learners, 'applicant' is written simply with few low-frequency words. Of the few potentially involves reasonably complex operations, but the instructions have been lary in the content of the task. For example, the activity in the Appendix receive the same depth of processing and recycling as unfamiliar vocabuthe instructions may inhibit progress on the task and is not likely to containing as little new vocabulary as possible. Unfamiliar vocabulary in First, instructions, as the way 'into' the activity, should be transparent,

dence from dictionaries and the teacher. Options for contextual placemaking a successful guess at a word's meaning and encourages indepencontextually meaningful. This increases the likelihood of the learner's Second, potentially unfamiliar vocabulary needs to occur where it is

Teaching vocabulary

categories such as a list of sports, or types of jobs or qualifications (such ment include labels in diagrams or illustrations, or within larger known

as those in the Appendix).

undue strain or breakdown in the flow of task performance. Where is not important for the learners at their present level can be omitted in a difficult vocabulary exists, there are three options. First, vocabulary that than language form or meaning. But many tasks cannot be simplified revision of the task. This allows a focus on communicative intent rather Finally, tasks should be selected in which the vocabulary will not cause

without substantial effort. Second, vocabulary that is useful and deserves attention can be pre-

raught in lessons leading up to performance of the task. This has the advantage of giving the learners opportunities to deepen their recall and takes time and may require learners to meet new items outside of a viously been introduced in a controlled setting. However, preteaching productive skill during task performance using vocabulary that has pre-

meaningful context.

other with word meaning. The choice made will depend on the content of opportunities to apply guessing strategies or to practice helping each need refer to them. However, they may also deny the learners valuable Glosses can save time since only the learners who do not know the items the activity, the learning goal, and the constraints within which the the task with either a definition, an example, a translation, or a picture. teacher is working. Third, both important and less important vocabulary can be glossed in

communication activities Encouraging depth of processing through

performance of communication activities has already been discussed. of the 79 unfamiliar words in four communication activities performed matically result in negotiation of these items. Newton (1993) found that The fact that learners spend time negotiating vocabulary items during discussion tasks rather than in the information exchange tasks. tion. Most of this negotiation of word meaning occurred in the ranking/ by a group of learners, only 16 were subject to meaning-focussed negotia-However, the presence of unfamiliar vocabulary in a task will not auto-

The following extracts show the effect of the type of task on the con-

tent of negotiation.

change information from their incomplete maps of a zoo in order to Extract 1 is from a split information task in which learners must ex-

> order to accurately transfer them. complete the maps. There is no requirement to understand the items in

\$8 \$7 **S7** Extract 1 I don't know shed? shed

s.h.e.d. shed

what's a spell s m-? what's the meaning of said?

s.h.e.d.

s.h.e.d. s.h.e.d.

shed

and? yeah ok I don't worry, we just write down

do not know. The result is negotiation of the kind illustrated. problems. To do this, learners must deal with each vocabulary item they problems, and then agree on appropriate changes to overcome these at a zoo's organisation and development issues, work out why these cause Extract 2 is taken from a ranking/discussion task in which learners look

Extract 2 S7 do yo do you know what is number nine;

disco?

yeah

dolphins . . . you know dolphins? . . . dolphins yeah

S5 S7 what animals that?

yeah sometimes they show it in the performance

like swimming pool

88 88 88 88 88 88 yes

swimming pool they jump up and they catch the <u>|</u>

just something fish?

like a shark but they are not dangerous

oh yeah its funny

scripts from the two tasks. This showed that 28 (or 17%) out of a total of consistent with an analysis of overall negotiation of meaning in trandifferent treatment of unfamiliar vocabulary typified in these extracts is other hand, learners made an effort to help each other with meaning. The successfully negotiating the meaning of the items. In extract 2, on the In extract 1 learners were content to exchange items via spelling without

of 326 questions were concerned with word meaning and 113 (35%) word meaning, and 26 (18%) with word form and perception. In the split 141 negotiating questions in the ranking activities were concerned with information activities, on the other hand, only 5 (or .01%) out of a rotal

activity and use it to make decisions and solve problems. These operatask, however, learners had to evaluate the linguistic input provided in the quired relatively superficial processing of task vocabulary. In the ranking task, information had to be accurately exchanged but was not used in any depth of information processing of the two types of tasks. In the split split information activity. The key to these differences seems to lie in the ing in the ranking information activity and a greater focus on form in the tions require deeper levels of comprehension (Bloom, 1956). further decision making or problem solving. Information exchange re-These results provide clear evidence of a greater focus on word mean-

over ranking or open discussion activities: They generate much more overall negotiation (Doughty & Pica, 1986; Newton, 1993), and talk is activities since these have been shown to have two important advantages much more evenly shared among all participants (Newton, 1993). We tion dimension of a rask, while also ensuring that a depth of information may wish, therefore, to consider ways of maintaining the split informaprocessing occurs. The activity in the Appendix is an attempt to do this. This finding is not intended to dismiss the use of split information In task 1 of the activity, learners are required to transfer information

types of performance into one activity, the learners are forced not only to this information according to a set of criteria. By incorporating these two from the table. In task 2, the learners must then critically assess and rank ingful discussion of the information in the activity as well. This has the be accurate and to concentrate on correct forms, but to undertake meanful focus on content and vocabulary. sharing of talk, as well as the benefits of the shared activities - a meaningbenefits of split activities - a large amount of negotiation and equal

Accessing existing vocabulary

approaches and factors that influence vocabulary expansion. It is one thing to learn new vocabulary; it is another to be able to access it quickly Thus far we have focused on learning new vocabulary and the various

when it is required for use. an item, and (2) through richness activities that increase the syntagmatic accessed: (1) through fluency activities that provide a well-beaten path to There are two ways vocabulary can be taught so that it can be readily

Teaching vocabulary

of access to an item. Let us look at each of these in turn. and paradigmatic associations and networks, thus providing many points

Fluency activities

one of the subskills developed as a result of the activities following fluency activities all make use of many of the features just described. Although vocabulary development is not their main goal, it is continuing record, such as a graph, of the result of the activity. The agement may be in the form of limited time to do the activity or in some requires that the activities reach a high level of automaticity. This encourencouragement for the learner to reach a high rate of performance which task through preparation, planning, or repetition. (4) They involve some give most attention to the fluency goal. (3) They involve rehearsal of the unfamiliar language or many unfamiliar ideas. This allows the user to language user; that is, they involve material that does not contain much cessing quite a lot of language. (2) They make limited demands on the Fluency activities have certain characteristics. (1) They may involve pro-

1. Repeated reading (Dowhower, 1989) involves learners silently rereadincreasingly more difficult comprehension tasks. ing the same text with the goal of reaching a faster speed or doing

with 4 minutes for the first telling, 3 minutes for the second, and 2 minutes for the third. learners to repeat the same story or talk to three successive listeners The 4/3/2 technique (Maurice, 1983; Nation, 1989) requires the

The best recording technique involves the learner repeatedly recording a talk in the language laboratory until the learner is satisfied that the best possible performance has been recorded.

in pairs questioning each other about the content of the text. The learners read a text to a high level of understanding and then work

provided by the teacher or on material prepared by the learners. Using already known even though it may not yet be readily accessible. vocabulary. Using learner-prepared texts ensures that the vocabulary is texts provided by the teacher allows the teacher to focus on particular Note that all of these fluency techniques can be based either on texts

Richness activities

word can be of two types: those that establish syntagmatic relationships, Activities that aim to increase the number of associations attached to a

Teaching vocabulary

and those that establish paradigmatic relationships. (Also see Lewis, Chapter 13, this volume.

can be preceded by words like cost (as in the cost of fuel), alternative words that can typically precede or follow it. For example, the word fuel inflation (fuels inflation), rumours (fuels rumours), and can occur in the (alternative fuels), fossil (fossil fuels). As a verb it may be followed by relationships include the following. phrase add fuel to the flames. Activities that can be used to develop these Syntagmatic relationships are those that associate a word with other

1. Collocation activities. A typical collocation activity gets learners to match collocates with given items. For example, the learners have two (1974) and Rudzka, Channell, Putseys, and Ostyn (1981) show, there lists of items that they must match up (Brown, 1974). As Brown their differing experience to suggest collocates for a given word. Colcan also be done as group or class activities with learners drawing on are many ways of devising collocation exercises. Collocation activities location is related to the idea of a word having an underlying meaning. different meanings, and comparison with another language would often encourage such a division. However, if we look at all these uses fade into the background. These uses can be considered as several For example, the word fade has a range of uses. A colour may fade. A organise experience in different ways to look for underlying meanings ing, and more educational in terms of seeing how different languages different words. It is more economical in terms of learning and teachthe various uses as examples of different collocations rather than as longer there'. By looking for an underlying meaning we then regard underlying meaning is something like 'go slowly away until it is no we can see an underlying meaning that is common to them all. The fade. Our looks fade (unfortunately!). A smile fades. Someone can TV picture fades. Light fades. Music fades. Memories and feelings

Semantic mapping. Semantic mapping (Stahl & Vancil, 1986) involves drawing a diagram of the relationships between words according to their use in a particular text. Semantic mapping has the effect of and develop collocational knowledge. deepening understanding of a text and creating associative networks bringing relationships in a text to consciousness for the purposes of for words. Semantic mapping is best introduced as a collaborative

Dictation and related activities. Nation (1991) has suggested that most value is gained from dictation activities when the dictation text effort between the teacher and the class. contains known words used in unfamiliar ways. The nature of the

> tional relationships within dictated phrases. dictation activity is that it focuses learners' attention on the colloca-

related meaning. As Cruse (1986) shows, there is a wide variety of possible relationships, and these can be developed in matching and classifica-Paradigmatic relationships are those that associate a word with others of tion activities.

Dangers in associative activities

of such items is much greater than the differences between them; in shorr, enough, it is likely that the overlap of meaning and substitutability in use even one. and they now need to clarify the distinctions between them. Interestingly or all except one of the items in a group are largely familiar to the learners they share a large number of semantic features and differ by only a few or increases the difficulty of learning. The time for such activities is when all compassion, pity, together results in more confusion than clarity and Similarly, learning items like shrewd, sly, cunning, crafty, or sympathy, be unsure after the lesson whether hot means 'hot' or hot means 'cold'. many of the learners will mix the word forms and the meanings, and will hot and cold at the same time makes learning more difficult, because ares is much more difficult than learning unrelated items; that is, learning are called kids, etc.). In fact, research by Higa (1963) has shown that learning items together that are near synonyms, opposites, or free associrelationships (e.g., the young of deer are called fawns, the young of goats of near synonyms looking for differences, or by studying taxonomies of It is worth remembering that the associative networks that exist for They were not established by learning opposites, by working through lists native speakers were gradually built up through normal language use.

Conclusion

challenge is to turn this research into classroom practice. attention to a range of factors. If reachers are serious about their learners' The research shows that teachers can have a major effect on learning. The those goals, and within the scope of a particular language learning task. broad scale in terms of goals and resources and approaches to achieve vocabulary development, then there is a need for planning both on a incorporates a range of approaches and that vocabulary learning requires One purpose of this survey has been to show that vocabulary teaching

Appendix: Making an employment decision

one of the following applicants for the position of Staff Welfare and Communications Officer. Four applicants have been interviewed for the You are managers of a large computer business. Your task is to choose

Task 1: Exchanging information about the applicants

mation is missing from your table. Other members of your group have this missing information. Get this information and write it in the table. You have a table with information about the four applicants below. Infor-(The information is in a different order on the other tables.)

Name	Lee, Gek Tay			
Occupation	Lawyer	Truck driver	Social worker	Electrician
Salary				\$29,000
Qualifications				Trade certificate
Languages	1.	2.1	1. 2. Korean	1. English 2.
Marital status		Unmarried		
Age			34	42
Health		High blood pressure	Very good	
Sports	1.	1. 2. Chess	 Rock climbing 2. 	1. Rugby 2.

Task 2: Choosing the best applicant

you has two or three different criterion about the most suitable applicant Now you must decide together which applicant will get the job. Each of

> applicant with the most ticks will get the job. Order the applicants according to the number of ticks they get. The as each group member says his or her criteria. If the information in the table meets a criterion, put a tick (\mathbf{V}) beside that information in the table. (see below). You must use all the criteria to make a group decision. Listen

Your criteria

The successful candidate should:

- 1. Have experience in work that requires communication skills.
- Be under 32 years of age if unmarried.
- 3. Have earned no more than \$40,000 in his or her previous job.

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